

UNESCO CHAIR REPORT

TITLE OF THE CHAIR	Training and empowering human resources for health development in resource-limited countries
HOST INSTITUTION	University of Brescia, Italy Website: https://www.unibs.it/ricerca/unesco-chair-cattedra-unesco
DATE OF ESTABLISHMENT	Signature of the agreement is dated March 2014 Renewed on July 11th, 2018, for the period 2018-2022
PERIOD OF ACTIVITY UNDER REPORT	March 2018 – March 2022
REPORT BY	<p>Prof. Francesco CASTELLI – Chairholder Professor of Infectious Diseases and Deputy Rector, University of Brescia (Italy)</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>United Nations Educational, Scientific and Cultural Organization</p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <ul style="list-style-type: none"> • UNESCO Chair on Training and Empowering • Human Resources for Health Development • in Resource-Limited Countries • University of Brescia • <div style="text-align: center; margin-top: 20px;">  </div>

1. EXECUTIVE SUMMARY

Since its inception in March 2014, the Chair has inspired its action towards the fulfilment of its objectives (article 2 of the chair agreement) in close collaboration with UNESCO:

A) To provide training on global health at the undergraduate and post graduate level to students, health professionals and representatives of non-governmental organizations

- The post-graduate Course in Global Health (core course of the TropEd European Master in International Health) has been run at the University of Brescia from 2018 to 2021. On average, 15 students have attended the course each year.
- The Master in Tropical Medicine and Global Health has been yearly co-organized by the Universities of Florence and Brescia since 2014. The Master delivered 60 Italian formative credits (CFU), in which the Course in Global health represents a module. On average, five students have attended the Master every year. During the academic year of 2020/2021 the Master has not been run due to the covid-19 pandemic.
- The TropEd European Master in International Health has been run at the University of Brescia since 2020. The Master delivered 60 formative European credits (ECTS), in which the Course in Global Health represents the Core Course. Since the start, 11 students are enrolled.
- Covid-19 e-teaching program for somali Medical Doctors, co-organized by UNESCO Chairs of the Universities of Rome Tor Vergata, Naples Federico II and Brescia, together with University “La Sapienza”, Rome, University of Pavia, Somali National University and AICS.
- The online update Course in Medicine and Surgery for the last year medical students of the at the Somali National University (SNU), co-organized by the Medical School of the University of Brescia, Palermo, Pavia, Rome Tor Vergata, Italy, and AICS.
- Course in International Cooperation, co-organized by “Giuseppe Tovini Foundation” and “MUSEKE Onlus”, in collaboration with the UNESCO Chairs of the Universities of Brescia and the Catholic University of the Sacred Heart (Brescia site).
- Due to the Covid-19 pandemic, the usual internship of young Italian medical students to Makerere University (Kampala, Uganda) could not take place.

B) To develop and expand collaborations in the field of global health with higher education institutions from resource-limited countries

- The agreements since the Memorandums of Understanding (MoU) aimed at strengthening mutual relationships and students/teachers’ exchange have been strengthened between:
 - Ethiopian Catholic University St Thomas Aquinas (ECUSTA), Addis Ababa, Ethiopia, 2017
 - Universidade Pedagógica, Maputo, Mozambique, 2015
 - Makerere University, Kampala, Uganda, 2015
 - Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, 2017
 - SAVE University, Mozambique, 2021

- Erasmus Plus KA program with Kwame Nkrumah University of science and technology (KNUST), Kumasi, Ghana

C) To promote operational research on HIV/AIDS, tuberculosis and malaria in Europe and highly endemic countries

The Chair has continued its research, with a specific focus on:

- Migration medicine
- Health in developing countries
- Poverty-related diseases including HIV/AIDS, tuberculosis and malaria

Over 132 articles have been published on international peer-reviewed high impact journals during the period 2018-2021, reporting the results of the research carried out by the Chairholder and his team on poverty-related and neglected infectious diseases. In addition, 14 chapters of book have been written and 38 dissertations have been supervised about the topic.

D) To foster networking, capacity development and sharing of knowledge and good practices

The Chairholder has presented in many national and international conferences on topics related to the Chair's mission. Among the many workshops/meetings organized, the following deserve a special mention:

- The UNESCO Chair is partner of *“Dialoghi delle Cattedre UNESCO: laboratorio di idee per il mondo che verrà – Dialogues of UNESCO Chairs: a laboratory of ideas for a world to come”*. The Italian UNESCO Chairs started a process aimed at operating as a collective body, interacting and proposing themselves as a “community of knowledge”. They have drawn up a Declaration for sustainability and socio-ecological transition. This Declaration is the result of a journey that began in the autumn of 2020 and that has seen the Italian UNESCO/United Nations Chairs develop an intense scientific dialogue through a series of webinars about environmental and social sustainability. The Declaration was launched at the Italian Ministry of Education on the 30th November 2021, together with the Italian Minister of Education, the Minister of Research and Stefania Giannini, UNESCO Deputy Director General for Education. Furthermore, the Declaration has been presented at the EXPO 2020 in Dubai, in January 2022.
- The UNESCO Chair is partner and co-organizer of the “Neglected Tropical Diseases (NTD) Series: fueling partnerships and promoting awareness on Neglected Tropical Diseases (NTD) through multi sectoral communication”. The core group of NTD Series is organized by CVM (Comunità Volontari per il Mondo), Bernard Nocht Institute for Tropical Medicine), UNESCO Chair of UNIBS, SOIPA (Società Italiana di Parassitologia), MSF (Médecins sans Frontiers), Diritti al cuore Onlus, Energia per I diritti umani, with the aim to establish an "NTD Series" to encourage partnerships and promote awareness regarding NTD through multi-sectoral communication. The main target sectors are the academia and the non-governmental organizations working on different aspects

of global health. NTD series launched its first online event on the international day of Chagas disease, the 14th of April 2021. Since then, five webinars on different topic regarding NTD were organized.

E) To closely cooperate with UNESCO

- Active participation at the meetings of the Italian UNESCO Chairs group 1 (cultural identity, immigration, human rights, and health), including 11 UNESCO Chairs from different Italian Universities.
- Participation at the workshop *“Dialoghi delle Cattedre UNESCO: laboratorio di idee per il mondo che verrà – Dialogues of UNESCO Chairs: a laboratory of ideas for a world to come”*.
- The Chair has been involved in the creation of Unitwin networks together with other UNESCO Chairs.
- In 2021 the Chair began to collaborate with the Italian Youth Association for UNESCO (AIGU), Youth Committee of the Italian National Commission for UNESCO (CNI) with the aim of unifying efforts in the common objectives of the Chairs.
- Since 2018, the Brescia UNESCO Chair, together with the UNESCO Chair on education for human development and solidarity among peoples (Catholic University) and the UNESCO Chair on Human rights and ethics of international co-operation (University of Bergamo) associated Schools operating in the Provinces of Brescia, Bergamo, have planned to organize training activities for teachers of the UNESCO associated Schools present in the area. In 2021, planning activities continued thanks also to the direct involvement of the National Coordinator of the UNESCO Associated Schools Network-ASPnet. Francesco Castelli participated as lecturer at the first National Seminar "The UNESCO Associate Schools for School Regeneration - Presentation of the Transition Plan ecological and cultural schools". After a few remote meetings due to COVID-19 restrictions, we plan to organize initiatives on the occasion of "Brescia-Bergamo, Italian capital of culture 2023".
- In June 2021, the chairholder visited the UNESCO fieldquarters in Maputo, Mozambique, in order to present the research and cooperation activities that the Chair has in place in the Province of Inhambane in the country. The Director of the Office (Mr Paul Gomis) was met

2. ACTIVITIES

Overview of activities undertaken by the Chair during the reporting period

a. EDUCATION, TRAINING AND RESEARCH

EDUCATION

1. Graduate Course on Global Health

The UNESCO Chair of the University of Brescia organizes the Graduate Course on Global Health (600 students investment time hours in the period February-May of each year), coordinated by the Chairholder Prof. F. Castelli and by Prof. A. Matteelli. The Course is recognized as the Core Course of the TropEd European Master in International Health (www.troped.org). Many Professors from other Institutions belonging to the Troped network and national and International Non-Governmental Organizations participated in the Course. Despite the COVID-19 pandemic, the University was able to reorganize the course in distance learning modality. An overall of about 60 students (physicians, nurse, midwives, pharmacists) attended the Course and were awarded the final Certificate and 20 ECTS (European Credit Transfer System) during 2018-2021.

Since 2015, the UNESCO Chairs has opened a yearly call to offer one full scholarship (6.000 €) to students from low-income Countries. The following students were awarded the scholarship:

- 2015: Dr Eraste Niyongabo (Burundi)
- 2016: Dr Yara Tembe (Mozambique)
- 2017: Dr Stelio Tembe (Mozambique)
- 2020: Ms Aldorada Da Gloria Julio Andrè (Mozambique)
- 2022: Dr Francois Xavier Manirakiza and Ms Nicole Kamariyagawe (Burundi)

The Program of the last 2021 Course is attached (Annex 1; pag 26).

2. Italian Master in Tropical Medicine and Global Health

The Chair also organizes, together with the Universities of Florence and Brescia, the Italian Master in Tropical Medicine and Global Health, that delivers 60 credits CFU (Crediti Formativi Universitari) to graduated students willing to gain experience and skills to work in co-operation activities in the field of Global Health. An overall of 15 students attended the Master during 2018-2020. In 2021, the Master has not took in place due to Covid-19 pandemic.

3. The Troped European Master in International Health

The UNESCO Chair of the University of Brescia organizes the TropEd European Master in International Health, that has been run at the University of Brescia since 2020. The Master delivered 60 formative European credits (ECTS), in which the Course in Global Health represents the Core Course. Since the start, 11 students are enrolled. Being a home institution at the TropEd Network means be an active

member through an international and transdisciplinary network of institutions for higher education in international health. TropEd provides postgraduate opportunities for study contributing to sustainable development and helps to establish a common standard in education.

4. Course in International Cooperation

The Course is co-organized by the “G. Tovini Foundation” and “Museke ONLUS”, in collaboration with UNESCO Chairs of University of Brescia and Catholic University of the “Sacro Cuore”, Brescia. The Course consists of 40 hours of lessons, usually running from October to January each year. The aim of the Course is to increase the knowledge of international cooperation strategies to reflect on the pedagogical paradigm implemented for the promotion and integral development of people. An overall of about 120 students attended the Course during 2018-2021. (Annex 2, pag 37).

5. ESCMID Post-Graduated Course in Migration Health

The European Society of Clinical Microbiology and Infectious Diseases (ESCMID) approved the organization of the Post-Graduated Course in Migration Health in September 2022 proposed by the UNESCO Chair of University of Brescia, together with the International Society of Travel Medicine (ISTM), ESGTIM, Mc Gill University, and St George University of London.

TRAINING

1. Fellowship program of medical students of the University of Brescia in low-resources settings

Upon agreement between the University of Brescia – UNESCO Chair and Makerere University, undergraduate medical students from the University of Brescia (4th, 5th and 6th year) have spent one month in Kampala (Uganda) at Mulago Hospital to gain first-hand insight on the health systems in resource-limited countries. An overall of about 30 students benefited from the fellowship program during 2018 and 2019. In 2020 and 2021, students were unable to leave due to Covid-19 restrictions. (Annex 3; pag 43)

2. COVID-19 E-Teaching Program for Medical personnel in Somalia

COVID-19 E-Teaching Program for Somali medical doctors, co-organized by UNESCO Chair “Interdisciplinary Biotechnology and Bioethics”, University of Rome Tor Vergata; UNESCO Chair “Health Education and Sustainable Development”, University of Naples Federico II; UNESCO Chair “Training and empowering human resources for health development in resource-limited countries”, University of Brescia, together with the University of Rome “La Sapienza” and University of Pavia. The Course was also supported by the Italian Agency for Cooperation and Development (AICS). The Course took place from 18 May to 11 June 2020 according to the program annexed and provided free of charge (Annex 4; pag 48-52). The course consisted of an 18-hour program on epidemiology, clinical and prevention management, and therapy of SARS-CoV-2. Overall, 70 Medical Doctors attended the course and were awarded with the final certification of participation.

3. Course in medicine and surgery for the last year medical students of the Somali National University

The 2020 online Course in medicine and surgery for the last year medical students of the Somali national university was organized by the Faculty of Medicine of the Somali National University; The Medical School of the University of Brescia and the UNESCO Chair of University of Brescia; The Medical School of the University of Palermo; The Medical School of the University of Pavia; The International Medical School, University of Rome Tor Vergata, Italy. The Course was also supported by the Italian Agency for Cooperation and Development (AICS). The Online Update Course is organized in 4 weeks in the months of July 2020 for a total of 40 hours. At the end of the Online Course a Certificate of Attendance was given to students. The Course took place from 6th to 31st of July 2021 according to the program annexed (Annex 5; pag 53).

RESEARCH

The Brescia UNESCO Chair carries out research in the following fields:

- Migration medicine
- Health in developing countries
- Poverty-related diseases including HIV/AIDS, tuberculosis and malaria

Please, see below for the list of peer-reviewed papers and books' chapters published in 2018-2021 by the Chairholder prof. Francesco Castelli and other staff of the Chair. (Annex 6; pag 55).

b. CONFERENCE AND MEETING

key conferences and meetings organized by the Chair or to which its Chairholder contributed

KEY CONFERENCES AND WORKSHOPS ORGANIZED BY THE CHAIR IN THE PERIOD 2018 - 2021

- The UNESCO Chair is partner of "Dialoghi delle Cattedre UNESCO: laboratorio di idee per il mondo che verrà – Dialogues of UNESCO Chairs: a laboratory of ideas for a world to come". The Italian UNESCO Chairs started a process aimed at operating as a collective body, interacting and proposing themselves as a "community of knowledge", have drawn up a Declaration for sustainability and socio-ecological transition. This Declaration is the result of a journey that began in the autumn of 2020 and that has seen the Italian UNESCO/United Nations Chairs develop an intense scientific dialogue through a series of webinars about environmental and social sustainability. The Declaration was launched at the Italian Ministry of Education on the 30th November 2021, together with the Italian Minister of Education, the Minister of Research and Stefania Giannini, UNESCO Deputy Director General for Education. Furthermore, the Declaration has been presented at the EXPO 2020 in Dubai, in January 2022 (Annex 7; pag 74).
- On 2 December 2021, the Chair organized an event dedicated to the knowledge of the Project and research activities on prevention, diagnosis and treatment of HIV in mothers and children in

rural Mozambique that the Chair performs together with Medicus Mundi Italia organization. The event was dedicated to meeting the citizens and increase awareness on HIV in Africa.

- On 29 November 2021, the Chairholder called a press conference at the Municipality of Brescia to inform about the event dedicated to the World Day against AIDS, December 1, 2021, organized by the University of Brescia, ASST Spedali Civili and the Municipality of Brescia. During the day, the university and hospital staff offered the free rapid test for HIV screening to citizens who required it. It was also a time to inform and raise awareness among citizens about the importance of HIV prevention and screening. [Giornata mondiale contro l'AIDS | Brescia Fast-track City | UNIBS](#)
- In 2021, the Chair has co-organized the “NTD Series: fueling partnerships and promoting awareness on neglected tropical diseases (NTDs) through multi sectoral communication”. NTD Series launched its first online event on the International Day of Chagas Disease, the 14th of April 2021. Since then, five webinars on different topic regarding NTD were organized. In this circuit, the UNESCO Chair of University of Brescia participated in an international workshop aimed at raising awareness of neglected diseases addressed to students aged 11-13 years. On 17th December 2021, staff of the Chair explained the Schistosoma to a class in Brescia. The project will end with the creation of drawings regarding the disease, where the most representative will be used as material to carry out campaigns of promotion and health education in the Countries endemic to Schistosoma. [BNITM - Bernhard-Nocht-Institut für Tropenmedizin -Lab group Fusco](#)
- The Chair has co-organized the meeting “Pre-Exposure Prophylaxis of HIV: pros and cons and lesson learned from the field, including STIs”, with the participation of Prof. Jean-Michel Molina (Professor of Infectious Diseases at the University of Paris Diderot) that has taken place in Brescia on the 24th of October 2019. The meeting has been addressed to the medical students of the School of Medicine of the University of Brescia.
- The Chair has co-organized, together with Medecins sans Frontiers (MSF) Italy and Medicus Mundi (MMI) Italy, the Conference “Epidemie in regioni a clima tropicale. Strategie di prevenzione, attuali orizzonti nell'ambito delle vaccinazioni e strategie di controllo dell'epidemia”, Brescia, 7th March 2019, addressed to medical students. [Desk a cura dei volontari di Brescia alla facoltà di Medicina e Chirurgia dell'Università di Brescia - Medici Senza Frontiere Italia](#)
- The International Conference on Migration Health (ICMH) has been organized in Rome (1-3 October 2018) by the International Society of Travel Medicine and relevant partners, including the International Organization for Migration (IOM) and the World Health Organization (WHO). More than 300 people have participated from all over the world. Prof. Francesco Castelli has acted as the Local Organizing Committee Chair and the University of Brescia and the Chair are also listed among the partners of the Conference. ([The International Society of Travel Medicine \(istm.org\)](#))

- A meeting with the UNESCO associated Schools operating in the Provinces of Brescia, Bergamo, Cremona and Mantova has been organized by the Chair, together with the UNESCO Chair on Education for human development and solidarity among peoples (Catholic University) and the UNESCO Chair on Human rights and ethics of international co-operation (University of Bergamo) on November 6th, 2018. The meeting was intended to organize training activities for teachers of the UNESCO associated Schools to be performed in 2019. The proposal is intended to provide UNESCO Schools teachers with key elements to plan projects and activities with their students on the following topics:

 - Migration (keywords: determinants of migration, impact on the origin and receiving countries, integration in host societies with particular reference to Europe and Italy)
 - Sustainable Development Goals (keywords: UN 2030 Agenda, sustainability, economy, environment and equity, individual contribution to sustainability)
 - Re-thinking education (keyword: analysis of the UNESCO document, recently translated into Italian by one of the promoting UNESCO Chairs)

Each topic will be taken in charge by one of the collaborating UNESCO Chairs, by organizing a specific training event with the interested teachers from the UNESCO affiliated schools, as follows: a) UNESCO Chair on Training and empowering human resources for health development in resource-limited Countries (University of Brescia): migration; b) UNESCO Chair on Human rights and ethics of international co-operation (University of Bergamo): sustainable development goals; c) UNESCO Chair on Education for human development and solidarity among peoples (Catholic University): re-thinking education
- The Laurea honoris causa in Green economy and sustainability has been granted by the University of Brescia, under the auspices of the UNESCO Chair, to Prof. Jeffrey Sachs, UN Secretary counsellor and inspiring leader of the UN 2030 Agenda on sustainability. 12th February 2018. ([Laurea Honoris Causa a Jeffrey D. Sachs | UNIBS](#))
- The Chair has been included by the Italian Commission for UNESCO, together with other 10 Italian UNESCO Chairs, in the first Group named “Cultural identity, Migration, Human Rights and Health” (CONIUS). The Chair has actively participated at the International Symposium of the Italian UNESCO Chairs Human Rights and Sustainable Development Goals 2030 held in Florence on November 16th, 2018. On December 14th, 2018, the CONIUS UNESCO Chair group issued a statement that is attached to this Report (Annex 8; pag 81)
- The Chair has officially participated (and granted official auspice) to the conference South of the Mediterranean Sea. Welcoming beyond sea borders (A Sud del Mediterraneo. L'accoglienza oltre i confini del mare), organized by the University of Genoa on October 16th, 2018 [A sud del Mediterraneo. L'accoglienza oltre i confini del mare | GUP \(unige.it\)](#)
- The Chair has promoted and organized an ambitious cycle of lectures on Sustainable Development Goals, held at the Teatro Grande of Brescia and targeted to the academic

community as well as to the general population of the town, presenting each of the Sustainable Development Goals of the 2030 Agenda of the United Nations. Each Lecture has been delivered by a recognized national/international expert and has been introduced by the Chairholder Prof. F. Castelli and by an academic staff from the University of Brescia. After the first 5 events had been organized in 2017, the Lectures devoted to SDGs 6 to 13 have been carried out in 2018 according to the following schedule. The calendar and the videos of all the events are available on the website of the University of Brescia and the UNESCO Chair of Brescia at the link: [Agenda 2030 - UniBs Sostenibile UNIBS SOSTENIBILE](#) (Annex 9; pag 83)

SDG n. 1 - Overcoming poverty (June 1st, 2017)

Invited Guest: Prof. Giovanni Gozzini, University of Siena

Host: Prof. Terenzio Maccabelli (University of Brescia)

SDG n. 2: Overcoming hunger (September 7th, 2017)

Invited Guest: Prof. Claudia Sorlini (University of Milan, President of the Scientific Committee EXPO2015)

Host: Prof. Gianni Gilioli (University of Brescia)

SDG n. 3: Health and well-being (October 27th, 2017)

Invited Guest: Dr Mario Raviglione (Director of the Global Program on Tuberculosis at WHO, Geneva)

Host: Prof. Francesco Castelli (University of Brescia)

SDG n. 4: Quality education (November 8th, 2017)

Invited Guest: Professor Emeritus Paolo Orefice (University of Florence)

Host: Prof. Domenico Simeone (Catholic University of the Sacred Heart, Brescia)

SDG n. 5: Gender equality (November 20th, 2017)

Invited Guest: Prof. Chiara Saraceno (University of Turin and Berlin)

Host: Prof. Susanna Pozzolo (University of Brescia)

SDG 6: Clean water and sanitation (February 5th, 2018)

Invited Guest: Prof. C. Zurbrugg (Zurich)

Host: Prof. S. Sorlini and F. Donato (University of Brescia)

SDG 7: Affordable and clean energy (March 9th, 2018)

Invited Guest: Prof. C. Zurbrugg (Zurich)

Host: Prof. S. Sorlini and F. Donato (University of Brescia)

SDG 8: Decent work and economic growth (April 5th, 2018)

Invited Guest: Prof. E. Giovannini (Former Italian Minister of Labor, Rome)

Host: Prof. ML Parisi (University of Brescia)

SDG 9: Industry, innovation and infrastructure (April, 26th 2018)

Invited Guest: Dr G. Milani (ENI, Milan)

Host: Prof. D. Bianchini and S. Vergalli (University of Brescia)

SDG 10: Reduced inequalities (May, 11th, 2018)

Invited Guest: Dr R. Barbieri (OXFAM, Milan)

Host: Prof. R. Miniaci (University of Brescia)

SDG 11: Sustainable cities and communities (September 24th, 2018)

Invited Guest: Prof. R. Yaro (USA)

Host: Prof. M. Tira (Rector of the University of Brescia)

SDG 12: Responsible production and consumption (October 8th, 2018)

Invited Guest: Prof. F. Sottile (Palermo)

Host: Prof. A. Tencati (University of Brescia)

SDG 13: Climate action (December 4th, 2018)

Invited Guest: Prof. F. Giorgi (Trieste)

Host: Prof. R. Ranzi and Prof. G. Grossi (University of Brescia)

SDG 14: Life below water (January 10th, 2019)

Honorary guest: prof. Nadia Pinardi (University of Bologna)

Focal point for the university of Brescia: prof. Marco Pilotti

SDG 15: Life on land (January 21st, 2019)

Honorary guest: dr. Carlo Rondinini, University of Rome "La Sapienza"

Focal point for the University of Brescia: dr. Roberta Pedrazzani

SDG 16: Peace, justice, and strong institutions (March 19th, 2019)

Honorary guest: Moni Ovadia

Focal point for the university of Brescia: prof. Antonello Calore.

SDG 17: partnership for the goals (May 22th, 2019)

Honorary guest: dr. Luigi Ferrata, ASVIS - Italian alliance for sustainable development

Stage performance: "La politique des restes" by Arthur Adamov

Focal point for the university of Brescia: prof. Francesco Castelli, UNESCO Chairholder,
Deputy-Rector / Director of CRA2030

A SELECTION OF CONFERENCE PRESENTATIONS BY THE CHAIR-HOLDER AND OTHER COLLEAGUES

During 2018-2021, the Chairholder has delivered more than 70 Italian and International conference. A selection of presentations from the Chairholder Prof. Francesco Castelli specifically covering the topics of interest of the Chair is listed by calendar Year (Annex 10 ; pag 98).

c. INTERUNIVERSITY EXCHANGES, PARTNERSHIPS

Principal exchanges/partnerships between the Chair and other Institutions including UNESCO Chairs/UNITWIN Networks

NATIONAL AND INTERNATIONAL PARTERSHIP

- **Partnership with WHO Collaborating Centre of University of Brescia**
Since 2014, the Brescia UNESCO Chair has been actively interacting with the WHO Collaborating Centre (WHO-CC) on “TB/HIV joint activities and TB elimination strategy” which is hosted by the same Department at the University of Brescia. Together, national, and international research projects and educational and advocacy activities were taken in place.
- **Partnership with the Ruaha Catholic University of Iringa (Tanzania), the S. Paul institute of Takeo (Cambodia) and the Royal University of Phnom Penh (Cambodia)**
The Chair has actively interacted with the UNESCO Chair “Human Rights and Ethics of International Cooperation”, University of Bergamo. In particular, the Chairs have signed an agreement to implement the three-year project “Education and Social Work in Tanzania and Cambodia” in partnership with the Ruaha Catholic University of Iringa (Tanzania), the S. Paul institute of Takeo (Cambodia) and the Royal University of Phnom Penh (Cambodia). The project is having fruitful results and it finished in March 2019, when the delegations of students and teacher from Iringa and Takeo visited the Chairs of the Universities of Brescia and Bergamo to wrap-up and discuss the overall results of the project.
- **Partnership with ECUSTA Catholic University of Addis Ababa, Ethiopia**
In 2017 a Memorandum of Understanding aimed at strengthening mutual relationships and students/teachers’ exchange has been signed between ECUSTA and UNIBS. In 2021, after the first pandemic year and after the appointment of the new Rector of the ECUSTA university, a first online meeting was held with the aim of supporting the ECUSTA university in the development of the teaching curriculum of the medical degree course. In future planning there is the will to organize specific lessons addressed to both ECUSTA and UNIBS students
- **Collaboration with Kwame N’Krumah University of Science and Technology (KNUST, Kumasi, Ghana) and HopeXChange Medical Centre (HXMC)**
On 26th October 2017 the University of Brescia and KNUST signed an MoU for developing and enhancing health research activities on Tropical Diseases, and more generally, on Medicine. In line with the MoU, all along 2018 and 2019, a research project about “Malaria and Gender” has been conducted by a UniBS PhD student. The implementation of the study has been accompanied by multiple visits by the senior academic staff of UniBS – UNESCO Chair, who also has provided formal and informal trained activities to local staff and students. The study results have been already presented at the annual meeting of the Italian UNESCO Chairs (Quaresima V. et al. Is Plasmodium falciparum malaria incidence and severity in holo-endemic areas affected by gender? Good Health, Quality Education, Sustainable Communities, Human Rights, Florence University

Press, 2019, pag. 57-68) and it has been published into international peer-reviewed Journal. The University of Brescia and Kwame Nkrumah University of Science and Technology signed the Inter-institutional agreement 2020-2023 to cooperate for the exchange of students and staff in the context of the Erasmus+ Program. The Program has been approved and funded and is expected to start in late 2022 due to the constraints in travel connected with the Covid-19 pandemic.

- **Inter-institutional agreement 2020-2023 between the University of Brescia and Kwame Nkrumah University of Science and Technology**

In 2020, the University of Brescia, Italy and Kwame Nkrumah University of Science and Technology, Ghana, agree to cooperate for the exchange of students and staff in the context of the Erasmus+ Programme. The Programme has been approved and funded and is expected to start in early 2022 and extended due to the constraints in travel connected with the Covid-19 pandemic.

- **UNITWIN project "Education & Health: Innovating for Sustainable Development"**

UNESCO Chair of University of Brescia signed a letter of support regarding the UNITWIN - "Education & Health: Innovating for Sustainable Development" project. A UNITWIN network that strives to contribute to the common good through knowledge and capacity building, organized by the UNESCO Chair on Sexual health & Human Rights, Paris Diderot University and the UNESCO Chair on Education & Health, Clermont-Ferrand University France.

- **Inter-institutional agreement between the University of Brescia and SAVE University, Mozambique**

The University of Brescia signed a cooperation agreement with Save University (Mozambique), in the presence of the Magnificent Rector of Unisave prof. Manuel José de Morais and the Vice Rector of Unibs prof. Francesco Castelli in June 2021. The agreement will strengthen the historical partnership between the Province of Brescia and Mozambique, whose university student population is in a phase of rapid growth, also from an academic, teaching and research point of view. The agreement aims to promote interest in teaching, research, cooperation, and other activities of common interest. Deepening the understanding of the technical, social, and cultural issues and traditions of the respective countries. [Accordo di cooperazione con l'Università Save \(Mozambico\) | UNIBS](#)

During the period 2018-2021, the following exchanges have been held with other UNESCO Chairs, UNESCO Headquarters, and International Institutions:

- Throughout the period 2018-2021, the Italian UNESCO Commission has decided to split the Italian UNESCO Chairs into groups, according to their mission and mandate. The UNESCO Chair "Training and empowering human resources for health development in resource-limited countries" of the University of Brescia has been included in the first Group, named "Cultural identity, migration, human rights and health" together with other 10 Italian UNESCO Chairs. Several meetings, both in presence and online, have been held together with the Chairs of the group.

- In 2018, the UNESCO Chair Education for human development and solidarity among peoples has also been established at the Catholic University of the Sacred Heart (Brescia, Chairholder Prof. Domenico Simeone). Many interactions have taken place between our two Chairs, namely: Joint planning of a training program for teachers at the UNESCO affiliated schools of the provinces on Brescia, Bergamo, Mantova and Cremona.
- Participation of the Chairholder Prof. F. Castelli to the Scientific Committee of the UNESCO Chair Education for human development and solidarity among peoples.
- In 2019 the Chair has participated at the UNESCO Chairs networking event, held at the Regional Bureau for Science and Culture in Europe, Venice, 14th February 2019.
- The Chair has participated at the Inter-ministerial meeting on inclusion and mobility in higher education, held at UNESCO headquarters during UNESCO General Assembly, Paris 13th November 2019.
- Since 2020, the UNESCO Chair has participated at the Workshops and activities of *“Dialoghi delle Cattedre UNESCO: laboratorio di idee per il mondo che verrà – Dialogues of UNESCO Chairs: a laboratory of ideas for a world to come”*. The Italian UNESCO Chairs have started a process aimed at operating as a collective body, interacting and proposing themselves as a “community of knowledge”. The UNESCO Chair of the University of Brescia is part of the Commission responsible of drafting the “Declaration of Italian UNESCO Chairs for the Sustainability”. The Declaration was launched to the Ministries of Education and Research and to other academic representatives the 30 November 2021 at the Italian Ministry of Education. (Annex 7)
- In 2021 the Chair began to collaborate with the Italian Youth Association for UNESCO (AIGU), Youth Committee of the Italian National Commission for UNESCO (CNI) with the aim of unifying efforts in the common objectives of the Chairs. [AIGU - Associazione Italiana Giovani per L'Unesco - Sito Ufficiale \(aiguofficial.it\)](http://aiguofficial.it)
- Since 2018, the Brescia UNESCO Chair, together with the UNESCO Chair on education for human development and solidarity among peoples (Catholic University) and the UNESCO Chair on Human rights and ethics of international co-operation (University of Bergamo) associated Schools operating in the Provinces of Brescia, Bergamo, have planned to organize training activities for teachers of the UNESCO associated Schools present in the area. (Annex 11; pag 107) In 2021, planning activities continued thanks also to the direct involvement of the National Coordinator of the UNESCO Associated Schools Network-ASPnet. After a few remote meetings due to COVID-19 restrictions, we plan to organize initiatives on the occasion of “Brescia-Bergamo, capital of culture 2023”. [Comune di Brescia - Portale istituzionale](http://comune.brescia.it)

d. PUBLICATIONS AND MATERIALS

Major publications and teaching/learning materials during the period 2018-2021

Please tick relevant fields of output and indicate volume of output:

Books	x	1
Books (edited)		
Books (Chapters)	x	14
Monographs		
Research reports		
Journal articles (refereed)	x	132
Conference proceedings (INT.L)		
Occasional papers		
Teaching/learning material		
Multimedia materials (CD-ROM)		
Multimedia materials (video)		
Multimedia materials (other)		

THESIS

Please see Annex n. 12 (pag 109) for the complete list of Theses that have been tutored by the UNESCO Chairholder Prof. Francesco Castelli and his team throughout the period 2018-2021

BOOKS AND PEER-REVIEWD PUBLICATIONS

Please see Annex n. 6 (pag 71) for the complete list of Books and Peer-reviewed publications by the UNESCO Chairholder Prof. Francesco Castelli and his team throughout the period 2018-2021. Please note that the UNESCO affiliation was specified only in pertinent publications.

e. COOPERATION WITH UNESCO HEADQUARTERS, FIELD OFFICES

The following contacts were held with UNESCO Headquarters during 2018-2021:

- In 2018, the Brescia UNESCO Chair had contacts with the Division of Science Policy and Capacity-Building, and with the Section of Higher Education at UNESCO Headquarters in Paris.
- The Chair has participated at the UNESCO Chairs networking event, held at the Regional Bureau for Science and Culture in Europe, Venice, 14th February 2019.
- The Chair has participated at the Inter-ministerial meeting on inclusion and mobility in higher education, held at UNESCO headquarters during UNESCO General Assembly, Paris 13th November 2019.
- In June 2021, the chairholder visited the UNESCO fieldquarters in Maputo, Mozambique, in order to present the research and cooperation activities that the Chair has in place in the Province of Inhambane in the country.
- Due to the Covid-19 linked travel restrictions, no meeting at UNESCO Headquarters has taken place in 2020 and 2021.

f. OTHER ACTIVITIES AND COLLABORATIONS

In addition to the planned and approved activities, other significant activities have been performed by the Chair in the period under evaluation and are reported below.

- 1. Collaboration with the Italian NGO Medicus Mundi Italy**
The Chair of University of Brescia is collaborating since 2014 with the Italian NGO Medicus Mundi in Mozambique in the following projects: [Mozambico - Medicus Mundi Italia](#)
 - Care Evolution: To improve health conditions in the population of the Province of Inhambane (Mozambique). Specific Objective: To improve health coverage in the Districts of Morrumbene and Homoine (Province of Inhambane, Mozambique) through innovative practices, scientifically validated, with particular regard to HIV infection and children malnutrition.
 - Till the end - To improve access to detection and treatment of tuberculosis in the Province of Inhambane, Mozambique; To evaluate the effectiveness of using mobile Genexpert to detect active tuberculosis in a rural setting (Districts of Massinga, Funhalouro, Homoine e Morrumbene); To evaluate the prevalence of rifampicine resistance in a rural setting of the Province of Inhambane, Mozambique.
 - Proteggimi: To increase access to quality services for the prevention of vertical transmission (mother to child) of HIV and the treatment of HIV and TB in remote communities in Inhambane Province, Mozambique.

2. Collaboration with the Italian NGO MUSEKE

The Chairholder Prof. Francesco Castelli sits on the Board of the MUSEKE Foundation ONLUS as General Adviser since 2009. The Chair of University of Brescia is collaborating with MUSEKE in awareness, promotion, and education in Cooperation approaches in Brescia Province. Particular mention is for the recent Project "A Student for his Community", which will take place in Mozambique with the collaboration of MUSEKE and Medicus Mundi Italia and the local University SAVE, with the aim of training students of local health professions in the principles of rural community health. The medical residents in infectious diseases of the University of Brescia will train and support local students during their internship in rural communities, analyzing the social determinants of health and epidemiology of the area.

3. International Society of Travel Medicine

The Chairholder Prof. Francesco Castelli has been appointed Co-Chair (together with Prof. Christina Greenaway from Montreal) of the ISTM (International Society of Travel Medicine) Task Force for Migration Health. [The International Society of Travel Medicine \(istm.org\)](http://www.istm.org)

3. Neglected Tropical Diseases Series Network

The UNESCO Chair is partner and co-organizer of the "NTD Series: fueling partnerships and promoting awareness on neglected tropical diseases (NTDs) through multi sectoral communication". The core group of NTD Series is organised by CVM, BNITM, SolPa, UNESCO Chair, MSF, Diritti al cuore and Energia per i diritti umani, with the aim to establish an "NTD series" to encourage partnerships and promote awareness of NTDs through multi-sectoral communication. The main target sectors are the academia and the non-governmental organizations working on different aspects of global health. NTD Series launched its first online event on the International Day of Chagas Disease, the 14th of April 2021. Since then, five webinars on different topic regarding NTD were organized. In this circuit, the UNESCO Chair of University of Brescia participated in an international project aimed at raising awareness of neglected diseases addressed to students aged 11-13 years. On 17th December 2021, staff of the Chair explained the Schistosoma to a class in Brescia. The project will end with the creation of drawings regarding the disease, where the most representative will be used as material to carry out campaigns of promotion and health education in the Countries endemic to Schistosoma.

3. FUTURE PLANS AND DEVELOPMENT PROSPECTS

Outline of action plan for the next biennium and short/medium and long-term development prospects. Please do not hesitate to refer to difficulties that the Chair has experienced

The detailed proposed plan of action of the UNESCO Chair “Training and empowering human resources for health development in resource-limited countries” for 2022-2026, as for Article 2 of the Chair Agreement.

Objective n. 1	Specific objectives	Plan of activity 2022-26
<p>1. To provide training on global health at the undergraduate and post graduate level to students, health professionals and representatives of non-governmental organizations</p>	<p>1.a. To run a yearly 10-hour undergraduate elective Course on Tropical Medicine and Global Health, addressed to students of the University of Brescia, students from higher secondary schools and NGOs’ staff</p>	<p>Continue to run the Course is composed by the following 2-hour modules:</p> <ul style="list-style-type: none"> - Introduction to Global Health - From Alma Ata to the MDGs - Sustainable Development Goals - Tropical Medicine - Migration Medicine
	<p>1.b. To run the yearly Core Course of the TropEd European Master of International Health, addressed to health operators of Italian and non-Italian NGOs</p>	<p>The Post-graduated Course in Global Health has been recently accredited (October 2021) for a further period of 5 years by TropEd. The Course lasts 14 weeks and awards 20 ECTS European credits. A total of 600 SIT divided in 302 hours of face-to-face learning and 298 hours of self-study and group-work. It is composed by the following 5 modules:</p> <ol style="list-style-type: none"> 1. Introduction and orientation 2. Public policies for global health 3. Basic epidemiology and research methods 4. International cooperation and migration health 5. Global burden of diseases, health problems and response
	<p>1.c. To run a Course on Migration</p>	<p>The UNESCO Chair of the University</p>

	<p>Health, in collaboration with relevant national and international stakeholders and scientific societies. The Course will be addressed to students in health sciences and to health personnel involved in care to migrants in Europe</p>	<p>of Brescia, together with the International Society of Travel Medicine (ISTM), McGill University and St George University will organize the second edition of the ESCMID Postgraduate Education Course in “Migration and Health: a world on the move”, to be held in Montisola (Brescia Province, Italy) from 26th to 30th September, 2022. Objectives of the Course are to create a forum of discussion of the various and multi-faceted aspects of migration and health including, but not limited to, diagnosis and prevention of infectious diseases.</p>
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Objective n. 2	Specific objectives	Plan of activity 2022-26
<p>2. To develop and expand collaborations in the field of global health with higher education institutions from resource-limited countries</p>	<p>2.a. to continue existing training and research collaborations with those Universities located in resource-limited Countries with which MoUs have already been signed</p>	<ul style="list-style-type: none"> - University SAVE (UNISAVE), Mozambique - Kwame N’Krumah University of Science and Technology (KNUST), Kumasi (Ghana) - ECUSTA, Addis Ababa - Makerere University, Kampala
	<p>2.b. to enlarge the network of training and research collaborations with Universities located in resource-limited Countries</p>	<p>Plans are underway to continue and strengthen the collaboration in the field of education and training with the Somali National University, Somalia</p>

Objective n. 3	Specific objectives	Plan of activity 2022-26
<p>3. To promote operational research on HIV/AIDS, tuberculosis and malaria in Europe and highly endemic countries</p>	<p>3.a. Infectious diseases: tuberculosis, HIV, malaria and neglected tropical diseases</p>	<ul style="list-style-type: none"> - Antiretroviral and antitubercular therapy in rural Mozambique - HIV mother to child transmission preventive measures in rural Mozambique - Social determinants of health and epidemiologic cohort study in rural

		Mozambique (Community health) - Epidemiology of imported malaria into Europe
	3.b. Mother and child health and Nutrition	- Transition of HIV infected children into adult services in Africa and Europe - Nutrition and susceptibility to infection in rural areas of Mozambique and Ghana
	3.c. Migration health	- Feasibility of TB and HIV screening programmes in newly arrived migrants - Surveillance of latent and active TB in migrants - Health inequities and social determinants of health

Objective n. 4	Specific objectives	Plan of activity 2022-26
4. To foster networking, capacity development and sharing of knowledge and good practices	4.a. To organize sessions and events for the analysis, discussion and promotion of issues related to the Sustainable Development Goals	<p>The UNESCO Chair will held the session "HEALTH COOPERATION – new challenges in health training and research cooperation" at the VII Conference of the CUCS network (University Coordination for Development Cooperation, a network that counts 30 Italian universities) organized by the two Universities of Naples "Federico II" and "L'Orientale" and held in Naples from 21 to 23 April 2022.</p> <p>In preparation of "Brescia Bergamo Italian Capitals of Culture 2023", the UNESCO chair is organizing an event in collaboration with the Municipality of Brescia, other Italian UNESCO Chairs and the Italian UNESCO Delegation. The initiative will aim to tell the story of the immigration in the Brescia area as a</p>

		key to integration and multiculturalism. The event will be attended by the major actors involved in the field of migrants' reception, work and school.
	4.b. To collaborate with the Italian UNESCO school network to promote the culture of SDGs and of human rights, with particular regard to migrants and Europe	The UNESCO Chairs of University of Brescia and of the Catholic University (Brescia) undertake to carry out the project of collaboration with the UNESCO associated schools of the Province, in particular on the following topics: - Sustainable Development Goals - Migration, human rights and integration

Objective n. 5	Plan of activity 2022-26
5. To cooperate closely with UNESCO on relevant programmes and activities	This objective will be implemented by the transversal achievement of the previously mentioned objectives and on project-specific demand The activity with the Dialogues of the UNESCO Chairs: a laboratory of ideas for the world to come will continue and will strengthen their path aimed at operating as a collective subject, interacting and presenting itself as a "community of knowledge", with the role of producers of new knowledge, setting up programmes to respond more promptly and with greater autonomy to the renewed demands for new learning and research in a world of rapid economic, social and technological change.

HUMAN RESOURCES

The following staff of the University of Brescia have contributed to the UNESCO Chair achievements during 2018-2021:

1) at the School of Medicine

- Prof. Francesco Castelli, professor of infectious diseases, Chairholder, University of Brescia
- Prof. Alberto Matteelli, associate professor of infectious diseases and director, WHO collaborating Centre on “TB/HIV joint activities and TB elimination strategies”, University of Brescia
- Dr Silvio Caligaris, MD unit for tropical diseases, Spedali Civili general hospital, Brescia
- Dr Lina R. Tomasoni, MD unit for tropical diseases, Spedali Civili general hospital, Brescia
- Dr Virginia Quaresima, PhD doctorate students in methodologies and appropriate techniques for international cooperation for development
- Dr Agnese Comelli, resident in Infectious and Tropical Diseases, University of Brescia
- Dr Beatrice Formenti, scholar at the Chair
- Dr Francesca Viola, data-manager, Spedali Civili general hospital, Brescia
- Dr Valentina Marchese, MD unit of infectious diseases, Spedali Civili general hospital, Brescia
- Ms Claudia Binetti, Secretary, University of Brescia

2) at the School of Engineering

- Prof. Sabrina Sorlini, associate professor of health engineering, university of Brescia
- Prof. Roberto Ranzi, professor of hydraulics and Rector’s Delegate for International Affairs

FINANCIAL RESOURCES 2018-2021

<i>Please tick sources of financial contribution and specify the amount</i>		<i>Amount (€)</i>
Host Institution *		<i>See note below*</i>
Partner Institution		0
Government Body		0
Other Public Institution/Body (incl. Research Councils)		0
UNESCO		0
Other UN Agency		0
IGO		0
NGO		6.000 euros
Industry		0
Other Private	X	33.300 euros
<i>* The University of Brescia has always made available resources to allocate workshops and seminars, as well as my person/time</i>		

In the period 2018-2021, the Brescia UNESCO Chairs was donated the sum of xx subdivided as follows

2018

During the year 2018, the donation received was:

Private donation – Proloco Mompiano 5.400,00 €

During the year 2018, the following expenses were done:

- Mission to Rome (Prof. F. Castelli): 539,46 €
 - Mission to Ghana (Prof. F. Castelli): 1.133,78 €
 - Mission to Ghana (Dr V. Quaresima): 2.683,22 €
 - Mission to Florence (Dr V. Quaresima): 65,10 €
 - Mission to Florence (Dr A. Comelli): 37,30 €
- Totaling: 4.458,86 €

At the end of 2018, the balance was 55.640,86 €

2019

During the year 2019 no donations were received.

During the year 2019, the following expenses were done:

- Mission to Venice (Prof. F. Castelli): 95,00 €
 - Mission to Ghana (Prof. F. Castelli): 1.188,99 €
 - Mission to Ghana (Dr V. Quaresima): 404,11 €
- Totaling: 1.688,10 €

At the end of 2019, the balance is then 53.952,76 €

2020

During the year 2020 no donations were received.

During the year 2020, the following expenses were done:

- Travel from Italy to Mozambique (Dott. Aldorada Da Gloria Julio Andre): 1.692,03 €
 - Scholarship (Dott. Aldorada Da Gloria Julio Andre): 6.003,36 €
- Totaling 7.695,39 €

At the end of 2020, the balance was 46.257,37 €

2021

During the year 2021 the donation received was:

Private donation Fondazione Comunità Brescia 21.900 €

Private donation – Proloco Mompiano 6.000,00 €

Private donation – MSF 6.000,00 €

Totaling donation 33.900 € (+46.257,37 remaining budget from the last year)

During the year 2021, the following expenses were done:

- Research Scholarship: 22.700,0 €
 - Publication fees: 4.420,15 €
 - Mission to Rome: 149,8€
- Totaling 27.269,95 €

At the end of 2021, the balance was 49.467.57€

Annex

- Annex 1; pag 26:
Course in Global Health, University of Brescia
- Annex 2; pag 37:
Summer Course on International Cooperation, Fundation G. Tovini, Museke and University of Brescia
- Annex 3; pag 43:
University agreement, University of Brescia, Italy and Uniersity of Makerere, Uganda
- Annex 4^a; pag 48:
COVID-19 Online Course for Somali Medical Doctors, Somali National University
- Annex 4b; pag 52:
COVID-19 Online Course certificate, Somali National University
- Annex 5; pag 53:
2020 Online Course in medicine and surgery for the last year medical students of the Somali National University
- Annex 6; pag 55:
List of peer-reviewed scientific publications
- Annex 7; pag 74:
Declaration of the Italian UNESCO Chairs
- Annex 8; pag 81:
CONIUS Statement
- Annex 9; pag 83:
SDG Educational Project event
- Annex 10; pag 98:
List of key conferences
- Annex 11; pag 107:
UNESCO Schools Project
- Annex 12; pag 109:
List of thesis

Corso di Perfezionamento in Global Health
TropEd Core Course in Global Health
16th February - 26th May 2021

Time	Lecture title	Teacher(s)	Learning method
MODULE 1: Orientation to the course and introduction to Global Health			
Tuesday 16th February			
09.00-11.00	Introduction, programme outline, students expectations and evaluation	Prof. F. Castelli Prof. A. Matteelli Dr. S. Caligaris	Interactive discussion
11.00-13.00	TropEd orientation	Prof. A. Matteelli	Interactive discussion
Wednesday 17th February			
09.00-11.00	What is global health: definitions. Why is global health important? Evolution of global health: from tropical medicine to international health, eventually, global health.	Prof. F. Castelli	Lecture
11.00-13.00	From millennium Development Goals to Sustainable development Goals: the past and the future	Prof. F. Castelli	Lecture
Thursday 18th February			
09.00-11.00	Global Health in an Unequal World	Prof. A. Stefanini	Lecture
11.00-13.00	Globalization and the Social and Political Determination of Health Global Trade and Health	Prof. A. Stefanini	Lecture
Friday 19th February			
09.00-11.00	Global Health Governance (GHG)	Prof. A. Stefanini	Lecture
11.00-13.00	Globalization of Food Political Ecology of Health The Case of Ebola Outbreak	Prof. A. Stefanini	Lecture
Monday 22nd February			
09.00-13.00	Integrating the Social Determinants of	Dr. J. Fisher	Interactive lesson

	Health into Health Workforce Education Integrating the Social Determinants of Health into Health Workforce Education		
Tuesday 23rd February			
09.00-13.00	Communication and teamwork skills	Dr.ssa S. Capone	Interactive discussion Role-plays
MODULE 2: Public Health for Global Health			
Wednesday 24th February			
09.00-11.00	Public Health: definition and application in a global context	Prof. G. Maciocco	Interactive lesson
11.00-13.00	Health Systems in low, middle income countries	Prof. G. Maciocco	Intercative lesson
14.00-17.00	From Alma- Ata to nowadays: strengths and weaknesses of PHC	Prof. E. Missoni	Interactive lesson
Thursday 25th February			
15.00-16.30	Vertical programmes versus PHC	Prof. E. Missoni	Interactive lesson
16.30-18.00	Basics of health economics Health system financing models. Development economics.	Prof. E. Missoni	Intercative lesson
Friday 26th February			
09.00-13.00	Access to appropriate essential drugs: selection, supply and distribution in Low Resources Countries. Rational drugs use in Low Resources Countries	Prof.ssa R. Ravinetto	Lecture
Monday 1st March			
09.00-11.00	Health planning in a new context: defining the most important steps	Prof.ssa B.Peterhans Prof. A. Hoffmann	Lecture
11.00-13.00	Define a health problem with the problem tree technique	Prof.ssa B.Peterhans Prof. A. Hoffmann	Interactive lesson/ Team work
14.00–16.00	Skeleton of a project proposal within international cooperation	Prof.ssa B.Peterhans Prof. A. Hoffmann	Interactive lesson/ Team work

Tuesday 2nd March			
09.00-11.00	Skeleton of a project proposal within international cooperation	Prof.ssa B.Peterhans Prof. A. Hoffmann	Interactive lesson
11.00-13.00	The importance of defining priorities and allocating adequate resources in a selected context	Prof.ssa B.Peterhans Prof. A. Hoffmann	Interactive lesson
14.00-16.00	The importance of monitoring and evaluation	Prof.ssa B.Peterhans Prof. A. Hoffmann	Interactive lesson
Wednesday 3rd March			
09.00-13.00	Preparing the project presentation	Prof.ssa B.Peterhans Prof. A. Hoffmann	Interactive lesson
14.00 -16.00	Formal Evaluation: Presenting and defending a first draft of a proposal	Prof.ssa B.Peterhans Prof. A. Hoffmann	Interactive lesson
Thursday 4th March			
09.00-13.00	KAP principles Training health staff in developing countries: limits & obstacles	Dr. L. Conforti Dr.ssa M.R. Badagliacca	Interactive lesson
14.00–16.00	Training health staff in developing countries: limits & obstacles	Dr. L. Conforti Dr.ssa M.R. Badagliacca	Interactive lesson
Friday 5th March			
09.00- 13.00	Tools for training	Dr. L. Conforti Dr.ssa M.R. Badagliacca	Interactive Lesson
14.00- 16.00	Training: methods & techniques	Dr. L. Conforti Dr.ssa M.R. Badagliacca	Interactive Lesson
Monday 8th March			
09.00-13.00	Psychosocial health in humanitarian emergencies	Dr. ssa. S. Caggiano	Interactive Lesson
Tuesday 9th March			
09.00-13.00	Management of an infectious outbreak	Dr.ssa C. Montaldo	Problem-based approach

Wednesday 10th March			
09.00-13.00	Refugee and IDPs camp management	Dr.ssa N. Liccardo	Problem-based approach
Thursday 11th March			
09.00-13.00	Emergencies: an intro on the major types: Epidemics War & conflicts Natural disasters	Dr. ssa C. Lepora	Problem-based approach
Friday 12th March			
09.00-13.00	The Top-ten priorities in emergency	Dr. M. Trainiti	Interactive lesson, problem solving approach
Monday 15th March			
09.00-13.00	Multisectoral and integrated responses in nutritional and health emergencies Needs assessment for health and nutrition in emergencies	Dr.ssa L. Becca Dr. M. Garcia	Interactive lesson
MODULE 3: Basic epidemiology and research methods			
Tuesday 16th March			
09.00-11.00	The role of research in the development of international health strategies	Prof. G.B. Migliori	Lecture
14.00 – 16.00	Aims and principles of epidemiology. Population dynamics. Determinants of diseases in a community.	Prof. F. Donato	Lecture
Wednesday 17th March			
09.00-13.00	Frequency measures in epidemiology. Descriptive epidemiology: geographical and time trend studies, ecologic studies	Prof. F. Donato	Lecture and group exercises
14.00-16.00	Association measures in epidemiology. Cross-sectional studies.	Prof. F. Donato	Lecture and group exercises
Thursday 18th March			
09.00-13.00	Experimental studies: RCTs, field and community trials. Analytical studies: cohort studies.	Prof. F. Donato	Lecture and group exercises

14.00-16.00	Analytical studies: case-control studies Impact measures in epidemiology: attributable risk and etiologic fraction.	Prof. F. Donato	Lecture and group exercises
Friday 19th March			
09.00-13.00	Random and systematic errors: bias and confounding. Causality.	Prof. F. Donato	Lecture and group exercises
14.00-16.00	How to write a research protocol The Evidence Based Medicine	Prof. F. Donato	Lecture and group exercises
Monday 22nd March			
09.00-13.00	Study design: how to plan, implement a study How to design and implement a questionnaire on the field: requisites and constraints	Dr. ssa V. Marchese	Interactive lesson and group exercises
Tuesday 23rd March			
09.00- 13.00	Data analysis: from basic statistic to basic tools for descriptive analysis Descriptive analysis with Epi Info	Dr.ssa L.Tomasoni	Lecture and group exercises
Wednesday 24th March			
09.00-11.00	Basic inferential statistic	Dr.ssa L. Tomasoni	Lecture and group exercises
11.00-13.00	Inferential analysis with Epi Info	Dr.ssa L. Tomasoni	Lecture and group exercises
Thursday 25th March			
09.00- 11.00	Cost-effectiveness studies	Dr. E.Girardi	Interactive lesson
11.00-13.00	Qualitative study: when, why, how	Dr. E.Girardi	Interactive lesson and group exercises
Friday 26th March			
09.00-11.00	Scientific writing: case-reports, systematic review, meta-analysis	Prof. GB. Migliori Dot.ssa L. D'Ambrosio	Scientific writing: case-reports, systematic review, meta-analysis
11.00-13.00	How to plan, organize and write a scientific paper	Prof. GB. Migliori Dot.ssa L. D'Ambrosio	How to plan, organize and write a scientific paper
Monday 29th March			
09.00-11.00	Introduction to anthropology	Prof.ssa I. Micheli	Interactive lesson

11.00-13.00	Anthropological impact on project interventions and cooperation The concept of “disease/illness” from an anthropological perspective	Prof.ssa I. Micheli	Interactive lesson
Tuesday 30th March			
09.00-13.00	Focus on infectious diseases: conception, role and beliefs from the tribal culture to the modern societies “Children” conception and implications of child care in different societies	Prof.ssa I. Micheli	Interactive lesson
Wednesday 31st March			
09.00-11.00	Gender equity: roles, values and implications of gender differences.	Prof.ssa I. Micheli	Interactive lesson
11.00-13.00	Gender equity across the world Breastfeeding and feeding practices from the newborn to the child from an anthropological perspective	Prof.ssa I. Micheli	Interactive lesson
<i>Easter Holidays from Thursday 1st to Tuesday 6th April</i>			
Wednesday 7th April			
09.00- 13.00	Global Burden of Disease: infectious diseases and NCDs in globalization era	Dr.ssa B.Formenti Dr.ssa B. Armocida	Interactive lesson
Thursday 8th April			
09.00-13.00	Bioethics: an overview	Prof.ssa A. Conti Dr.ssa P. Delbon	Lecture
MODULE 4: International cooperation and migration health			
Friday 9th April			
09.00-11.00	The role and panorama of NGOs	Dr.ssa I. Borsotto (FOCSIV)	Lecture
11.00-13.00	4 Selected NGOs: presentation and projects	Dr.ssa I. Borsotto (FOCSIV) Participants: Dr.ssa C.Scanagatta CUAMM Dr.ssa C. Lodesani - MSF Prof. G. Carosi Dr. M.Chiappa -MMI, Dr.ssa M. Dalla Tomba MUSEKE	Round table

Monday 12th April			
9.00 – 11.00	Needs assessment for health and nutrition in emergencies	Dr. M. Garcia Dalla	Lecture
13.00 – 15.00	Sulla pagina FB di Saluteglobale.it L'impatto della Pandemia Covid-19 sulla salute delle donne	Dr.ssa B. Armocida Intervista alla Dr.ssa F. Bustreo, Vice-chair of Botnar Foundation and previously Assistant Director-General for Family, Women's and Children's Health for the World Health Organization	
Tuesday 13th April			
11.00-13.00	Cooperation in health: the example of Medicus Mundi Italia	Dr. M. Chiappa	Lecture
Wednesday 14th April			
09.00-11.00	Population dynamics: war, refugees and internally displaced populations (IDPs)	Dr. M. Carotenuto	Lecture
11.00-13.00	Basics of International Humanitarian Law (IHL) IHL: applications and obstacles	Dr. M. Carotenuto	Lecture
Thursday 15th April			
09.00-11.00	Migration flows and determinants of population movements.	Dr.ssa B. Formenti Dr. L. De Min	Interactive lesson
11.00-13.00	Health and migration from a public health perspective	Dr.ssa V. Marchese	Lecture
Friday 16th April			
09.00-13.00	Managing health problems in asylum seekers and refugees	Dott.ssa S. Capone	Interactive lesson
Monday 19th April			
09.00 – 11.00	l'impatto del colpo di stato in Myanmar sul sistema sanitario	Dr.ssa C. D'Apice	Lecture
14.00 – 16.00	Organizing an educational programme to promote hand hygiene	Dr. A. Casale	Lecture
MODULE 5: Global Burden of Diseases, Health Problems and Responses			
Tuesday 20th April			
09.00-11.00	S.M.A.R.T. project in Ethiopia	Dr.ssa G. Veracini AMREF	Lecture

13.00-17.00	Sexually transmitted infections (STI): epidemiology, classification and impact. STI control strategies	Dr. A. Gerbase	Lecture
Wednesday 21st April			
13.00-17.00	Public health approach to the global HIV epidemic	Dr. A. Gerbase	Lecture
Thursday 22nd April			
09.00-11.30	HIV testing and linkage to care	Dr. E. Focà	Interactive lesson
11.30-13.00	Basics of antiretroviral treatment, PEP, PREP	Dr. E. Focà	Lecture
14.00-16.00	Clinical management: in and out patient clinics. PMTCT. Prevention of HIV.	Dr. E. Focà	Interactive lesson
Friday 23rd April			
9.00 –13.00	Covid 19: Management of an emerging pandemic	Dr. E. Focà	Lecture
Monday 26th April			
9.00 –10.00	TB: basics, presentazione clinica (sintomi, qualche CXR e immagini di ExP TB), natural history	Dr. M. Raviglione	Lecture
10.00 –11.00	Epidemiology, global burden	Dr. M. Raviglione	Lecture
11.00 - 11.30	Risposta nell'era degli SDG	Dr. M. Raviglione	Lecture
11.30 – 13.00	End TB strategy with special focus on UHC and SP	Dr. M. Raviglione	Lecture
Tuesday 27th April			
09.00-13.00	Pillar 1: diagnosis and active case finding Pillar 1: treatment, including programmatic management of MDR-TB	Prof. A. Matteelli	Lecture
Wednesday 28th April			
09.00-13.00	Basics of paediatrics for LICs Integrated Management of Childhood Illness (IMCI) Epidemiology of preventable diseases Expanded Programme on Immunization (EPI)	Dr. I. Dodi	Lecture

Thursday 29th April			
09.00-13.00	Maternal mortality epidemiology & reduction strategies	Dr. ssa P. Morganti Dr. ssa R. Peruzzi	Lecture
14.00-16.00	Delivery care in rural areas: antenatal clinics functioning & community support	Dr. ssa P. Morganti Dr. ssa R. Peruzzi	Interactive lesson and group exercises
Friday 30th April			
09.00-13.00	Delivery and post-delivery clinical management	Dr. ssa P. Morganti Dr. ssa R. Peruzzi	Interactive lesson and group exercises
14.00-16.00	Reproductive health and family planning	Dr. ssa P. Morganti Dr. ssa R. Peruzzi	Interactive lesson and group exercises
Monday 3rd May			
09.00-11.00	Lactation: anatomy and physiopathology and most common problems	Dr. ssa L. Castellarin	Lecture
11.00-13.00	Breastfeeding promotion at hospital and community level	Dr. ssa L. Castellarin	Lecture
Tuesday 4th May			
9.00 – 13.00	Clinic presentation of Schistosomiasis and Filariasis	Dr. S. Caligaris	Lecture
Wednesday 5th May			
09.00-13.00	Neonatology in LIC: introduction, tools, knowledge and skills	Dr. F. Uxa Dr. P. Villani	Lecture
Thursday 6th May			
09.00-10.00	Malnutrition epidemiology and impact	Dr. F. Schumacher	Lecture
10.00-11.00	Malnutrition control strategies and service delivery: in and outpatient centers.	Dr. F. Schumacher	Interactive lesson
11.00-13.00	Malnutrition clinical management HIV in children	Dr. F. Schumacher	Interactive lesson
14.00-16.00	Climate Changes	Dr.ssa B. Rossi	Lecture

Friday 7th May			
09.00-13.00	Malaria epidemiology, global impact and control strategies	Dr. A. Bosman	Lecture
14.00-16.00	Clinical management of uncomplicated/complicated malaria	Dr. S. Caligaris	Lecture
Monday 10th May			
09.00-12.00	Entomology of malaria vectors	Prof. G. Gilioli	Interactive lessons
12.00-13.00	Diagnosis of malaria	Dr. S. Caligaris	Interactive lessons
Tuesday 11th May			
9.00-13.00	Neglected tropical diseases addressed by mass drug administration (schistosomiasis, soil transmitted helminthiasis, lymphatic filariasis, onchocerciasis and trachoma) common characteristics , relevance for global health and example of control from an endemic country.	Dr. A. Montresor	Lecture
14.00-16.00	Clinic presentation of Strongiloidiasis, Ancylostomiasis, Ascariasis	Dr. S. Caligaris	Lecture
Wednesday 12th May			
9.00-13.00	Neglected tropical diseases (NTDs): overview, global impact and control strategies	Dr. S. Caligaris	Lecture
Thursday 13th May			
09.00-13.00	Logics in clinical approach	Dr. F. Gobbi	Interactive lesson
Friday 14th May			
09.00-13.00	Neonatology in LIC: from theory to practice	Dr. F. Uxa Dr. P. Villani	Interactive lesson and exercises
Monday 17th May			
09.00-13.00	“Global burden diseases: why it is relevant for noncommunicable diseases (NCDs)? Main public health strategies to prevent NCDs	Dr. P. Bovet	Lecture
14.00 – 16.00	High risk strategies to manage NCDs WHO global action plan to prevent and control NCDs”	Dr. P. Bovet	Lecture

Tuesday 18th May			
09.00-11.00	Use and availability of antibiotics in low income countries	Prof. A. Bartoloni	Lecture
11.00-12.00	Antibiotic resistance: global overview	Prof. A. Bartoloni	Lecture
12.00-13.00	Antibiotic resistance: global control strategies	Prof. A. Bartoloni	Lecture
Wednesday 19th May			
09.00-10.00	Basic Surgery and orthopaedics in low income countries	Prof.ssa E. Baggio	Lecture
10.00-12.00	War surgery	Prof.ssa E. Baggio	Lecture
12.00-13.00	How to run a theatre in a LIC	Prof.ssa E. Baggio	interactive lesson
Thursday 20th May			
09.00-11.00	Viral hepatitis: epidemiology and natural history	Dr.ssa S. Odolini	Lecture
11.00-12.00	Basics of clinical aspects	Dr.ssa S. Odolini	Interactive lessons
12.00-13.00	New anti-HCV drugs and control strategies	Dr.ssa S. Odolini	Interactive lesson
Friday 21st May			
09.00-13.00	Leprosy: natural history Leprosy: diagnosis and treatment	Dr. G. Gazzoli	Lecture
Monday 24th May			
09.00-13.00	Energy intervent and the local resources use	Prof. A. Mazzù Ing. M. Pilotelli	Interactive lesson, problem solving approach
Tuesday 25th May			
09.00-11.00	Solid waste management	Prof. M. Vaccari	Interactive lesson, problem solving approach
11.00-13.00	Safe Water for all	Prof.ssa S. Sorlini	Interactive lesson, problem solving approach
Wednesday 26th May			
09.00-11.00	Different career paths in global health: NGOs, IIs, IOs, University and Research institutions	Prof. F. Castelli	Interactive lesson and round table
11.00-12.00	Conclusions and greetings	Prof. F. Castelli Prof. A. Matteelli	Interactive lesson and round table



FONDAZIONE "GIUSEPPE TOVINI"



FONDAZIONE
MUSEKE ONLUS

FONDAZIONE "GIUSEPPE TOVINI"

FONDAZIONE MUSEKE

in collaborazione con

CATTEDRE UNESCO

**Università degli Studi Brescia, Università Cattolica del Sacro Cuore – sede di Brescia,
Fondazione "V. Chizzolini" ONLUS – Diritti dell'Uomo e Cooperazione Internazionale**



Propongono il

CORSO DI

"FORMAZIONE ALLA COOPERAZIONE INTERNAZIONALE"

**DIRETTORI DEL CORSO: Prof. Francesco Castelli, Università degli Studi di Brescia
Prof. Domenico Simeone, Università del Sacro Cuore - sede di Brescia**

Ottobre 2020 – Febbraio 2021

La proposta culturale del Corso di formazione intende richiamare i fondamenti della pedagogia della cooperazione internazionale al fine di promuovere una comunità capace di sostenere l'identità personale e sociale nei diversi contesti.

L'articolazione del programma del corso favorisce una riflessività generativa a partire dalla quale ogni individuo, partendo dal proprio vissuto personale, sociale, culturale, esprime un'interconnessione con gli ecosistemi, alla luce dei molteplici mutamenti in atto.

Si tratta di passare da un approccio alla cooperazione internazionale centrato sui bisogni, il cui obiettivo è quello di ridurre le carenze attraverso il trasferimento di risorse, a un approccio centrato sui diritti che aumenta le capacità e le libertà delle persone.

Il tema della cooperazione internazionale sarà approfondito attraverso contributi disciplinari diversi: antropologico, medico, economico, etico, giuridico, ingegneristico, politico, pedagogico.

1. OBIETTIVI

- Comprendere il contesto e le diverse forme della cooperazione internazionale realizzate dagli Organismi Internazionali e dalle Organismi Non Governativi (ONG).
- Effettuare un'analisi critica del grado di riconoscimento e di attuazione dei diritti dell'uomo in contesti regionali, nazionali, e internazionali.
- Conoscere le strategie e le politiche di cooperazione internazionale al fine di riflettere sul paradigma pedagogico attuato per la promozione e lo sviluppo integrale delle persone.
- Acquisire competenze e strumenti utili alla realizzazione di attività di cooperazione internazionale.

2. ORGANIZZAZIONE DEL CORSO

Il corso si svolge tra Ottobre 2020 e Gennaio 2021. È articolato in n.40 ore tra lezioni online (tramite piattaforma ZOOM) e laboratori in presenza, secondo il programma di seguito indicato. Al termine del corso, una giornata è dedicata alla valutazione dell'elaborato finale attraverso un colloquio, effettuato da apposita commissione.

I laboratori si svolgeranno presso la sede della Fondazione "G. Tovini" in via T. Ferrando 1, Brescia.

3. PROGRAMMA DEL CORSO DI FORMAZIONE

• LEZIONI ONLINE

GIORNO	ORARIO	ARGOMENTO	DOCENTI
Venerdì 2 Ottobre 2020	9.00 10.00	<i>Presentazione della Summer School</i>	Direttori del corso
	10.00 13.00	<i>I diritti dell'uomo come grammatica dello sviluppo</i> <i>Migrazioni e cooperazione internazionale</i>	Prof.ssa Stefania Gandolfi Fondazione "V. Chizzolini" Dott.ssa Rita Locatelli Cattedra Unesco UCSC - Brescia
Venerdì 16 Ottobre 2020	9.00 11.00	<i>La cooperazione allo sviluppo nel diritto internazionale</i> <i>La cooperazione allo sviluppo nel diritto italiano</i> <i>Cooperazione allo sviluppo e accesso alle risorse naturali</i> <i>Cooperazione allo sviluppo e tutela delle culture locali</i>	Prof. Francesco Bestagno Università Cattolica del Sacro Cuore Dott. Matteo Manfredi Università Cattolica del Sacro Cuore Dott.ssa Marcella Ferri Università degli Studi di Bergamo
	11.00 13.00	<i>Sviluppo economico e diseguaglianze</i>	Prof. Enrico Minelli Università degli Studi di Brescia
Venerdì 30 Ottobre 2020	9.00 11.00	<i>Identità, alterità, cultura</i> <i>Per una pedagogia della cooperazione internazionale</i>	Prof. Domenico Simeone Cattedra Unesco UCSC - Brescia
	11.00 12.00	<i>Globalizzazione ed ecologia integrale</i>	Prof. Pierluigi Malavasi, Prof.ssa Patrizia Galeri, Università Cattolica del Sacro Cuore
	12.00 13.00	<i>Dialogo interreligioso e cooperazione internazionale</i>	Don Roberto Lombardi Università Cattolica del Sacro Cuore
Venerdì 13 Novembre 2020	9.00 10.30	<i>Medicina ed elementi di salute globale</i>	Prof. Francesco Castelli Cattedra Unesco Università degli Studi di Brescia
	10.30 12.00	<i>Salute materno infantile nei paesi a risorse limitate</i>	Dott. Silvio Caligaris Università degli Studi di Brescia
	12.00 13.00	<i>Elementi di antropologia culturale</i>	Dott.ssa Anna Casella Università Cattolica del Sacro Cuore

Venerdì 27 Novembre 2020	9.00 13.00	<i>Tecnologie appropriate per la gestione dell'acqua potabile e dei rifiuti</i>	Prof.ssa Sabrina Sorlini Università degli Studi di Brescia
		<i>Gestione dell'energia nei paesi a risorse limitate</i>	Prof. Lucio Zavanella Prof. Simone Zanoni Università degli Studi di Brescia
		<i>Ruolo delle infrastrutture e dei sistemi di trasporto</i>	Prof. Giulio Maternini Università degli Studi di Brescia
		<i>Tecniche costruttive sostenibili</i>	Prof. Marco Preti Università degli Studi di Brescia

• LABORATORI IN PRESENZA

Venerdì 8 Gennaio 2021	14-18	<i>Criteri per l'elaborazione dei progetti Analisi di un caso concreto</i>	Dott. Massimo Chiappa Medicus Mundi Italia Dott. Antonio Bonetti Fondazione Giuseppe Tovini
Venerdì 15 Gennaio 2021	14.00 18.00	<i>Analisi di un caso concreto Laboratorio per aree tematiche</i>	Dott. Antonio Bonetti Fondazione Giuseppe Tovini Dott.ssa Dalila Raccagni Dott. Antonio Molinari Università Cattolica del Sacro Cuore Dott. Giovanni Vinti Università degli Studi di Brescia
Venerdì 22 Gennaio 2021	14.00 18.00	<i>Laboratorio per aree tematiche</i>	Dott. Antonio Bonetti Fondazione Giuseppe Tovini Dott.ssa Dalila Raccagni Dott. Antonio Molinari Università Cattolica del Sacro Cuore Dott. Giovanni Vinti Università degli studi di Brescia
Venerdì 29 Gennaio 2021	14-18	<i>Laboratorio per aree tematiche</i>	Dott. Antonio Bonetti Fondazione Giuseppe Tovini Dott.ssa Dalila Raccagni Dott. Antonio Molinari Università Cattolica del Sacro Cuore Dott. Giovanni Vinti Università degli Studi di Brescia

4. MODALITÀ DI PARTECIPAZIONE

La partecipazione è aperta ad un massimo di 30 studenti universitari e ai laureati provenienti da tutte le Università. In caso di superamento del limite di partecipanti sarà data priorità a studenti e laureati dell'Università degli Studi di Brescia e dell'Università Cattolica del Sacro Cuore.

Al Corso di Formazione sono ammessi alle lezioni online, in qualità di uditori, persone interessate ad approfondire le tematiche della cooperazione internazionale, previa comunicazione alla segreteria dei propri dati e indirizzo mail valido.

È possibile iscriversi compilando un modulo scaricabile dai siti della Fondazione "G. Tovini" (www.fondazionetovini.it) e della Fondazione Museke (www.fondazionemuseke.org) che dovrà essere firmato e inviato alla Fondazione "G. Tovini" tramite posta all'indirizzo postale via T. Ferrando 1, Brescia o all'indirizzo mail cooperazione@fondazionetovini.it entro il giorno 25 Settembre 2020.

L'eventuale riconoscimento dei crediti universitari avverrà in rapporto ai criteri stabiliti dalle diverse Università e a seguito di colloquio effettuato da apposita commissione alla fine del corso.

A coloro che avranno sostenuto positivamente il colloquio finale sarà rilasciato un attestato di partecipazione.

5. TEMPI DI ATTUAZIONE

Il Corso di Formazione prenderà avvio Venerdì 2 Ottobre 2020 e si concluderà venerdì 29 gennaio 2021. È previsto un colloquio finale per coloro che avranno frequentato almeno il 75% del corso (30 ore).

6. ASPETTI ECONOMICI

Il Corso di Formazione è finanziato dalla Fondazione "G. Tovini" e dalla Fondazione Museke. La partecipazione è gratuita.

7. STAGE

Al termine del Corso di Formazione, nel 2021, si organizzerà uno stage per un gruppo di 10\15 partecipanti studenti in un Paese a risorse limitate. Lo stage prevedrà il soggiorno di circa 3 settimane co-finanziato dalla Fondazione "G. Tovini" e dalla Fondazione Museke.

Le modalità di selezione e la quota di partecipazione saranno comunicate in seguito.

Per partecipare allo stage è necessario aver frequentato con successo la il Corso di "Formazione alla Cooperazione Internazionale".

8. **SEGRETERIE SCIENTIFICA ED ORGANIZZATIVA**

La Segreteria scientifica:

Dott. Antonio Bonetti, Fondazione Giuseppe Tovini.

Dott. Antonio Molinari, Università Cattolica del Sacro Cuore.

La segreteria organizzativa:

Sig.ra Cristiana Ardigò, Fondazione Giuseppe Tovini.

Sig.ra Sandra Foletti, Fondazione Museke



UNIVERSITY OF BRESCIA, ITALY



MAKERERE UNIVERSITY

ELECTIVES AGREEMENT

BETWEEN

UNIVERSITY OF BRESCIA, ITALY

AND

MAKERERE UNIVERSITY



UNIVERSITY OF BRESCIA, ITALY



MAKERERE UNIVERSITY

This Electives agreement is signed this *16th* day of *August* 2011 between **University of Brescia Piazza Mercato, 15, Brescia (Italy)**, herein after referred to as **UNIBS** and **Makerere University of P. O. Box 7062, Kampala** herein after referred to as **Mak**.

1. **CONSIDERATION**

The initial focus will be on an arrangement for electives for students of the University of Brescia in Makerere University, College of Health Sciences and teacher exchange between the two Universities. Other areas of collaboration can be developed; in particular, exchange of teachers in Medicine will be pursued on individual basis according to Article 8.

2. **PURPOSE**

Makerere University, College of Health Sciences will provide electives (in Pediatrics, Internal Medicine, Surgery, Psychiatry and Obstetrics/Gynecology for Brescia medical students as of August 2011. This arrangement will be referred to as "the programme".

3. **DURATION OF AGREEMENT**

This agreement shall be in force and be binding upon the parties hereto for a period of three years from the date mentioned in Article 2.

4. **TERMINATION**

This agreement can only be subject to termination with at least six months, written advance notice on either side. The students will be allowed to complete the elective being pursued at that time. In case of termination, the students will be allowed to complete the programme.

5. **NUMBER OF STUDENTS**

Makerere University, College of Health Sciences has agreed to receive a maximum of 6 students per discipline per year.

6. **DURATION OF THE ELECTIVE**

Each elective lasts at least 2 weeks to a maximum of 8 weeks.

7. **ELECTIVE PROGRAMME**

- a) The elective lasts for at least 2 weeks to a maximum of 8 weeks and there should be a global programme for this entire period.
- b) If applicable, students should encounter with patients both in the outpatient department and the hospital ward.
- c) Both UNIBS and MAK agree to keep in contact through their respective international offices on a regular basis and to report experiences or provide specific information as requested.
- d) The host institute agrees to a possible visit of a UNIBS electives coordinator.



- e) After one year an evaluation of the programme will take place. Both UNIBS and MAK can then decide to redesign this agreement, discuss whether the programme should be continued and how it could be improved.

8. EXCHANGE OF TEACHERS IN THE FIELD OF MEDICINE.

- a) Exchange of teachers shall be initiated by the individual's home institution and shall consist of a proposal outlining the terms and conditions under which such a visit is to take place. The proposal shall include a written summary of the proposed visitor's credentials, including their language competence.
- b) Upon receipt of these materials, duly appointed representatives of the host institution shall evaluate the proposal. The host institution shall thereafter, in writing, inform the sending institution about the decision. In the event that the activity is approved, the host institution shall also submit a letter of invitation to the appointed teacher, outlining the terms and conditions under which the visit is to take place.
- c) Funding arrangements for the exchange of teachers between the institutions, as described above, shall be agreed to in advance in writing by the institutions. Money to support these exchanges may come from grants or other funds obtained either singly or jointly by the institutions. Whenever feasible the institutions shall collaborate to seek additional support for the joint activity.
- d) The duration of such professional visits should generally be at least one week and no more than one year, but may vary according to rules and regulations of the grant-giving bodies.
- e) Prior to departure from the host university, the teacher shall submit a written report on experiences, impressions and results of the visit.

9. MANAGEMENT AND ADMINISTRATION OF COLLABORATION

To follow up the agreement, facilitate the collaboration and coordinate local activities, MAK and UNIBS shall identify an administrative coordinator who shall have responsibility for the day-to-day implementation and monitoring of the collaboration, provide relevant information about ongoing and planned projects and for organizing annual project and administrative meetings.

10. SUPERVISION

- A. Students will be assigned a personal tutor for supervision, feedback and assessment.
- B. The tutor will provide individual training for the student during at least six hours during the elective. (E.g.: evaluation of the patients that have been examined / managed by the student; evaluation of active participation of the student in other areas of patient care, such as outpatient consultations, diagnostic activities, surgical interventions, rounds, discussing and referral of patients, and assistance in preparing presentations and evaluation of presentations delivered by the student).



- C. The tutor always has an introductory contact, a contact at mid-term of the elective and a final contact to evaluate the elective. These contacts last approximately 30 minutes and are individual contacts. If the tutor is absent, the tutor may be replaced by another tutor from the teaching staff.
- D. Each week of the elective the tutor will perform a short clinical assessment.
- E. At the end of the elective the tutor will give a final assessment and fill out the assessment form. The final assessment may be based on a written or computer examination, oral examination, presentation, or a combination and the short clinical assessments.

11. FINANCIAL ISSUES

- A. Medical students from University of Brescia will not be charged tuition fees by the host institute. Students may be required to pay certain ancillary fees (for example, for on-campus health and sports facilities, transportation, room-rent) or fees as listed in the calendars of the host institute.
- B. The host institute will receive 200 USD as administrative fees for each student.
- C. Payment will be settled by bank transfer in August of each year in accordance with the number of students received for electives.
Bank details:
Bank: Stanbic Bank (U) Ltd.
Crested Towers Branch
Kampala Uganda
Account name: College of Health Sciences, Makerere University.
Account no.: 0240059133501
Bank swift code: SBICUGKX

12. DISPUTE RESOLUTION

In the event of any dispute or difference arising between the parties hereto relating to or arising out of this agreement, the parties hereby undertake to use their best efforts to mutually resolve any dispute(s) that may arise as between them from the interpretation and enforcement of this agreement.

The parties shall meet to attempt to settle such dispute or difference within an agreed period. Where arbitration fails, the dispute shall be referred to an Arbitrator jointly identified and appointed by both parties and his/her decision shall be final and binding on all the parties..

13. LAW APPLICABLE

This MOU shall be governed by and construed in all aspects in accordance with the laws of the hosting country and institution.



UNIVERSITY OF BRESCIA, ITALY

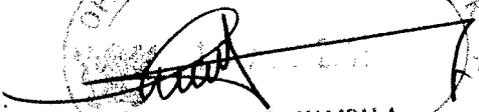


MAKERERE UNIVERSITY

In witness whereof, the parties hereto have executed this Electives Agreement on the date first above mentioned.

SIGNED FOR AND ON BEHALF OF:-

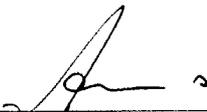
MAKERERE UNIVERSITY:

By: 
Name: Prof. Venansius Baryamureeba
Title: Acting Vice Chancellor

By: 
Name: Prof. Nelson Sewankambo
Title: Principal, College of Health Science

UNIVERSITY OF BRESCIA

By: 
Name: Prof. Sergio Pecorelli
Title: Chancellor

By: 
Name: Prof. Maurizio Memo
Title: Delegate for International Affairs



IN THE WITNESS OF


Name: Goddy Muhanguzi Muhumuza
Title: Senior Legal Officer & Head Legal Unit



UNESCO Chair "Interdisciplinary Biotechnology and Bioethics", University of Rome Tor Vergata
UNESCO Chair "Health Education and Sustainable Development", University of Naples Federico II
UNESCO Chair "Training and empowering human resources for health development in resource-limited countries", University of Brescia



COVID-19 ONLINE UPDATE COURSE FOR SOMALI MEDICAL DOCTORS

The Italian UNESCO Network for Covid-19 is an initiative of the above three Italian UNESCO Chairs to support the educational and training activities of citizen, students, health personnel in this specific pandemic situation.

Considering the ongoing programme of the Italian Cooperation to support the Somali National University, the present Covid-19 Online Update Course is organized by the Rector of the Somali National University Prof. Mohamed Ahmed Jimale (rector@snu.edu.so) and by Prof. Vittorio Colizzi (Colizzi@uniroma2.it).

The Covid-19 Online Update Course is organised in the month of May 2020 (18-30 May) in the afternoon (13-15 pm Rome-time), and in the month of June 2020 (3-11 June) in the morning (09-11 am Rome time).

A specific classroom has been equipped by the SNU at the Conference hall of the Hotel Al-Jazeera, and a Zoom provider has been installed. Each lecture will be run in two sections of 45 minutes each with two intervals of 15 minutes each dedicated to questions and comments.

This education resource will teach you how to effectively care for critically ill patients during the COVID-19 pandemic. You'll learn the daily practice for frontline clinical staff supporting critical care patients with COVID-19, and how to apply ventilation and organ support principles to the care of a critically ill coronavirus patient. You'll learn about the required PPE, the molecular and serological SARS-CoV2 diagnosis, and the development of immune responses at systemic level and in the lung of patients as well as methods to trace the virus at population level.

The registration and the educational material is done in English, and is provided free. **A Certification of Attendance** will be released to the participants at the end of course.



UNESCO Chair “Interdisciplinary Biotechnology and Bioethics”, University of Rome Tor Vergata
 UNESCO Chair “Health Education and Sustainable Development”, University of Naples Federico II
 UNESCO Chair "Training and empowering human resources for health development in resource-limited countries", University of Brescia

Timetable COVID-19 E-Teaching Program May 18-30 (13-15 Rome time)

S.I	Dates and Days	Subjects
1	18-May (Monday)*	SARS-CoV2: the virus, molecular diagnostic and protection measures: coordinator C. F. Perno, J. Fokam
2	19-May (Tuesday)	Covid-19: the infectious and pulmonary disease: coordinator A. Sanduzzi
3	20-May (Wednesday)	Protocols for clinical management and therapy I: coordinator F. Castelli
4	21-May (Thursday)	Protocols for clinical management and therapy II: coordinator G. Russo
5	27-May (Wednesday)	Protocols for clinical management and therapy III: coordinator . M. Andreoni
6	28-May (Thursday)	Resuscitation emergency management: coordinator C. Imperiale
7	29-May (Friday)	Clinical Protocols for Children management: coordinators: G.B. Parigi, H. Tchidjou
8	30-May (Saturday)**	Epidemiology, Immunity and Protection at the single et population levels: V. Colizzi, C. Montesano, G. Cappelli

*In the first lecture of the 18th May, a welcome words will be addressed by the Ministry of Health and by the Rector of the Somali National University.

**In the last lecture of the 30th of May, an auto-evaluation test will be distributed and used for delivering the Certificate of Attendance.



UNESCO Chair "Interdisciplinary Biotechnology and Bioethics", University of Rome Tor Vergata
 UNESCO Chair "Health Education and Sustainable Development", University of Naples Federico II
 UNESCO Chair "Training and empowering human resources for health development in resource-limited countries", University of Brescia

Timetable COVID-19 E-Teaching Program 3-11 June (9-11 am Rome time)

S.L	Dates and Days	Subjects
1	3-June (Wednesday)*	SARS-CoV2: the virus, molecular diagnostic and protection measures: coordinator C. F. Perno, J. Fokam
2	4-June (Thursday)	Covid-19: the infectious and pulmonary disease: coordinator A. Sanduzzi
3	5-June (Friday)	Protocols for clinical management and therapy I: coordinator F. Castelli
4	6-June (Saturday)	Protocols for clinical management and therapy II: coordinator G. Russo
5	8-June (Monday)	Protocols for clinical management and therapy III: coordinator . M. Andreoni
6	9-June (Tuesday)	Resuscitation emergency management: coordinator C. Imperiale
7	10-June (Wednesday)	Clinical Protocols for Children management. coordinators: G.B. Parigi H. Tchidjou
8	11-June (Thursday)**	Epidemiology, Immunity and Protection at the single et population levels: V. Colizzi, C. Montesano, G. Cappelli

*In the first lecture of the 3rd of June, a welcome word will be addressed by the Ministry of Health and by the Rector of the Somali National University.

**In the last lecture of the 11th of May, an auto-evaluation test will be distributed and used for delivering the Certificate of Attendance.



UNESCO Chair “Interdisciplinary Biotechnology and Bioethics”, University of Rome Tor Vergata
 UNESCO Chair “Health Education and Sustainable Development”, University of Naples Federico II
 UNESCO Chair "Training and empowering human resources for health development in resource-limited countries", University of Brescia

Participants

No.	The Institution	Quantity
1	Ministry of Health	10 Doctors
2	SNU	30 Doctors
3	National Committee for Covid-19 (They run De Martino Hospital)	10 Doctors
4	Somali Medical Association	10 Doctors
5	National Call Center for Covid-19	10 Doctors
	Total	70 Doctors
	Every group will compose of	35 Doctors/class

Other participants can be connected directly on their personal device.

The Faculty

Massimo Andreoni, full professor Infectious Diseases, University of Rome Tor Vergata, andreoni@uniroma2.it

Giulia Cappelli, immunologist, Consiglio Nazionale delle Ricerche, Roma, giulia.cappelli@cnr.it

Francesco Castelli, full professor Infectious Diseases, University of Rome Brescia, francesco.castelli@unibs.it

Vittorio Colizzi, full professor of Immunology, University of Rome Tor Vergata, Colizzi@uniroma2.i

Joseph Fokam, virologist, CIRCB, Yaoundé, Cameroon, josephfokam@gmail.com

Carmela Imperiale, resuscitator, University of Rome Sapienza, carmelaimperiale2@gmail.com

Carla Montesano, associate professor of Immunology, University of Rome Tor Vergata, montesan@uniroma2.it

Carlo Federico Perno, full professor of Virology, University of Milan, cf.perno@uniroma2.it

Gian Battista Parigi, associate professor of Paediatric Surgery, University of Pavia, gparigi@unipv.it

Gianluca Russo, clinical scientist, University of Rome Sapienza, gianluca.russo@uniroma1.it

Alessandro Sanduzzi, associate professor of Pneumology, University of Naples Federico II, sanduzzi@unina.it

Hyppolithe Tchidjou, paediatrician, Polyclinic Hospital Amiens, France, ippolito6@yahoo.it

HIGH EDUCATION TEACHING CERTIFICATE

ONLINE UPDATE COURSE ON COVID-19

The Italian Agency for Development Cooperation and the Somali National University present this certificate to

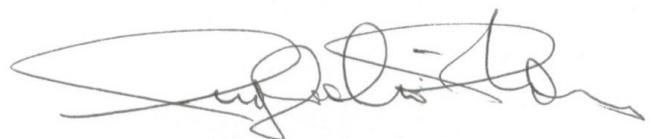
Prof. Francesco Castelli

for his brilliant teaching activity on **COVID-19 ONLINE UPDATE COURSE FOR SOMALI MEDICAL DOCTORS** held in Somalia on 18 of May to 15 of June, 2020 with the collaboration of the University of Naples, University of Rome Tor Vergata and University of Brescia (UNESCO Chairs Network),

Mogadishu, 15 June 2020



Prof. Mohamed Ahmed Jimale
Rector of Somali National University



Dr. Guglielmo Giordano
Head of the Italian Cooperation Agency



2020 ONLINE COURSE IN MEDICINE AND SURGERY FOR THE LAST YEAR MEDICAL STUDENTS OF THE SOMALI NATIONAL UNIVERSITY

PROGRAMME

6-10 July, INTERNAL MEDICINE (University of Brescia, coordinator Prof. Francesco Castelli)

- Monday 6 July, h. 3-5 pm Italian time - Acid base balance & electrolyte disturbance (Prof. C. Tantucci)
- Tuesday 7 July, h. 3-5 pm Italian time - Arrhythmia and ECG (Prof. A. Padovani, C. Tantucci, Alberici)
- Wednesday 8 July, h. 3-5 pm Italian time - Pulmonary function tests (Prof. C. Tantucci)
- Thursday 9 July, h. 3-5 pm Italian time - Stroke and its management (Prof. M. Metra, Dr M. Inciardi)
- Friday 10 July, h. 3-5 pm Italian time - Ischemic heart disease and heart failure (Prof. M. Metra, Dr M. Inciardi)

13-17 July, PAEDIATRICS AND PAEDIATRICS SURGERY (University of Pavia, coordinator Prof. G.B. Parigi)

- Monday 13 July, h. 3-5 pm Italian time - The neonate: evaluation and primary care plus (clinical assessment and management of hypoxic ischemic encephalopathy (birth asphyxia), which is common dilemma in our country (Prof.))
- Tuesday 14 July, h. 3-5 pm Italian time - Respiratory tract pathologies in children (Prof.)
- Wednesday 15 July, h. 3-5 pm Italian time - Neurological problems and children management with particular attention to epilepsy plus (Prof.)
- Thursday 16 July, h. 3-5 pm Italian time - Surgical emergencies in children (Prof.)
- Friday 16 July, h. 3-5 pm Italian time - Abdominal masses in children (Prof.)

20-24 July, OBSTETRICS AND GYNECOLOGY (University of Palermo, coordinator Prof. V. Chiantera)

- Monday 20 July, h. 3-5 pm Italian time – TITLE (Prof. V. Chiantera)
- Tuesday 21 July, h. 3-5 pm Italian time – TITLE (Prof. R. Venezia)
- Wednesday 22 July, h. 3-5 pm Italian time – TITLE (Prof. Alessandra Vassiliadis)

- Thursday 23 July, h. 15.00-17.00 – TITLE (Prof. G. Cucinella)
- Friday 24, h. 15.00-17.00 – TITLE (Prof. F. Fiorino)

27-31 July, GENERAL SURGERY (University of Rome Tor Vergata, coordinator Prof. G. Sica)

- Monday 27 July, h. 2-4 pm Italian time 00 – Introduction to the course. Diseases of oesophagus and stomach. Elective and emergency surgical treatment (Prof. Giuseppe Sica)
- Tuesday 28 July, h. 2-4 pm Italian time - Biliary colic, jaundice and liver masses: Work-up and management of HPB and pancreatic surgical diseases (Proff. Tommaso Manzia – Roberta Angelico)
- Wednesday 29 July, h. 2-4 pm Italian time - Diseases of Colon and Rectum. Elective and Emergency Surgical Treatment (Proff. Roberta Angelico - Tommaso Manzia)
- Thursday 30 July, h. 3-5 pm Italian time – Diseases of thyroid and surgical treatment (Prof. Paolo Gentileschi)
- Friday 31 July, h. 3-5 pm Italian time - Diagnosis and management of diseases of the breast (Prof. Oreste Buonomo)

Each day lecture is proposed by the Italian coordinators in accordance of the Somali coordinator Prof. Mohamed Abdikarim Nur.

At the end of the Online Course a Certificate of Attendance will be given to all students, while a Certificate of Teaching will be given to all professors.

All administrative matters in Italy are managed by the Italian Geographical Society, Center for Africa Relations.

Peer-reviewed scientific articles - 2021

1. Masciocchi S., Pilotto A., Volonghi I., De Giuli V., Caprioli F., Mariotto S., Ferrari S., Bozzetti S., Imarisio A., Risi B., Premi E., Tower Z., Benussi A., Foca' E., **Castelli F.**, Zanusso G., Monaco S., Stefanelli P., Gasparotti R., Zekeridou A., McKeon A., Ashton N., Blennow K., Zetterberg H., Padovani A. SARS-CoV-2 encephalitis is a cytokine release syndrome evidences from cerebrospinal fluid analyses- *Clinical Infectious Diseases*, 2021 Jan 4:ciaa1933. doi: 10.1093/cid/ciaa1933. Online ahead of print.
2. De Francesco M.A., Poiesi C., Gargiulo F., Bonfanti C., Pollara P., Fiorentini S., Caccuri F., Carta V., Mangeri L., Pellizzeri S., Rizzoni D., Malerba P., Salvetti M., Muiasan M.L., Alberici F., Scolari F., Pilotto A., Padovani A., Bezzi M., Chiappini R., Ricci C., Castellano M., Berlendis M., Savio G., Montani G., Ronconi M., Bove S., Focà E., Tomasoni L., **Castelli F.**, Rossini A., Inciardi R., Metra M., Caruso A. Increased frequency of Chlamydia pneumoniae and Mycoplasma pneumoniae antibodies in SARS-CoV-2 infection: are they part of a vicious circle? A single center retrospective study. *Journal of Infection*, 2021 Jan 19:S0163-4453(21)00031-1. doi: 10.1016/j.jinf.2021.01.009
3. Quiros-Roldan E, Porcelli T, Pezzaioli LC, Degli Antoni M, Paghera S, Properzi M, Focà E, Carriero C, **Castelli F**, Ferlin A. Hypogonadism and liver fibrosis in HIV-infected patients. *J Endocrinol Invest*. 2021 Jan 29. doi: 10.1007/s40618-021-01512-9. Online ahead of print
4. Fallerini C., Daga S., Mantovani S., Benetti E., Pujol A., Picchiotti N., Schluter A., Planas-Serra L., Troya J., Baldassarri M., Fava F., Ludovisi S., **Castelli F.**, Quiros-Roldan E., Vaghi M., Rusconi S., Siano M., Bandini M., Spiga O., Capitani K., Furini S., Mari F., GEN-COVID Multicenter Study, Renieri A., Mondelli M.U., Frullanti E. Association of Toll-like receptor 7 variants w 1 ith life-threatening COVID-19 disease in males. *Elife*. 2021 Mar 2;10:e67569. doi: 10.7554/eLife.67569
5. Baldassarri M., Fava F., Fallerini C., Daga S., Benetti E., Zguro K., Amitrano S., Valentino F., Doddato G., Giliberti A., Di Sarno S., Palmieri M., Carriero M.L., Alaverdian D., Beligni G., Iuso N., **Castelli F.**, Quiros-Roldan E., Mondelli M.U., Frullanti E., Furini S., Mari F., GEN-COVID Multicenter Study, Renieri A., Gabbi C. Carriers of single Cystic Fibrosis-causing mutations undergo severe COVID-19 and have higher risk of 14-day mortality. *Journal of Internal Medicine*, submitted
6. Comelli A., Focà E., Sansone E., Tomasi C., Albini E., Quiros-Roldan E., Tomasoni L.R., Sala E., Bonfanti C., Caccuri F., Caruso A., De Palma G., **Castelli F.** Serological response to SARS-CoV-2 in Health Care Workers employed in a large tertiary Hospital in Lombardy, Northern Italy *Microorganisms*. 2021 Feb 25;9(3):488. doi: 10.3390/microorganisms9030488.
7. Tripiciano A., Picconi A., Moretti S., Sgadari C., Cafaro A., Francavilla V., Arancio A., Paniccia G., Campagna M., Pavone-Cossut M.R., Sighinolfi L., Latini A., Mercurio V.S., Di Pietro M, **Castelli F.**, Saracino A., Mussini C., Di Perri G., Galli M., Nozza S., Ensoli F., Monini P., Ensoli B. Anti-Tat immunity defines CD4+ T-cell dynamics in people living with HIV on long-term cART. *Lancet EBioMedicine*, 2021 Mar 30:103306. doi: 10.1016/j.ebiom.2021.103306.
8. Zammarchi L., Lazzarotto T., Di Tommaso M., Tomasoni L., Pasquini L., Galli L., Simonazzi G., **Castelli F.**, Borchi B., Campolmi I., Ornaghi S., Bartoloni A., Andreoni M., Pagano I., Petraglia S., Ramenghi L., Clerici P., Tavio M., Trotta M. Valacyclovir for prevention and treatment of fetal CMV infection. *Infezioni in Medicina*, 2021 Jun 1;29(2):299-303

9. Signorini L., Moioli G., Calza S., Van Hauwermeiren E., Lorenzotti S., Del Fabro G., Renisi G., Lanza P., Sacconi B., Zambolin G., Latronico N., **Castelli F.**, Marshall J.C., Matteelli A., Piva S. Epidemiological and clinical characterization of superinfections in critically ill COVID-19 patients Critical care Explorations, accepted for publication
10. Zanella I, Biasiotto G, **Castelli F**, Calza S, Carriero C, Degli Antoni M, Focà E, Quiros-Roldan E. Descriptive modification of inflammatory markers in HIV patients after cART initiation according to gender, smoking habit, CMV infection, BMI and serum lipids. Cytokine, 2021 Apr 27:155547. doi: 10.1016/j.cyto.2021.155547. Online ahead of print.
11. Quiros-Roldan E., Carriero C., Paghera S., Degli Antoni M., Fiorini C., Quaresima V., **Castelli F.**, Imberti L. Symptoms and quality of life in HIV-infected patients with benign prostatic hyperplasia are improved by the consumption of a newly developed whole tomato-based food supplement. A phase II prospective, randomized double-blinded, placebo-controlled study. Journal of functional food, 52 (2021) 104495
12. Zanella I., Zizioli D., **Castelli F.**, Quiros-Roldan E. Tenofovir, another inexpensive, well known and widely available old drug repurposed for SARS-COV-2 infection. Pharmaceuticals, (Basel). 2021 May 11;14(5):454. doi: 10.3390/ph14050454
13. Armocida B., Formenti B., Missoni E., D'Apice C., Marchese V., Calvi M., **Castelli F.**, Ussai S. Challenges in the equitable access to COVID-19 vaccines for migrant populations in Europe. Lancet Reg Health Eur. 2021 Jul;6:100147. doi: 10.1016/j.lanepe.2021.100147. Epub 2021 Jun 5. PMID: 34124708
14. Sansone E., Tiraboschi M., Sala E., Albini E., Lombardo M., **Castelli F.**, De Palma G. Effectiveness of BNT162b2 vaccine against the B.1.1.7 variant of SARS-CoV-2 among healthcare workers in Brescia, Italy. Journal of Infection, May 6;S0163-4453(21)00225-5. doi: https://doi.org/10.1016/j.jinf.2021.04.038
15. Izzo I., Carriero C., Gardini G., Fumarola B., Chiari E., **Castelli F.**, Quiros-Roldan E. Impact of COVID-19 pandemic on HIV viremia: a single-center cohort study in northern Italy. AIDS Res Ther. 2021 Jun 4;18(1):31. doi: 10.1186/s12981-021-00355-x. PMID: 34088307 Free PMC article.
16. Sansone E., Sala E., Tiraboschi M., Albini E., Lombardo M., Indelicato A., Rosati C., Boniotti M.B., **Castelli F.**, De Palma G. Effectiveness of BNT162b2 vaccine against SARS-CoV-2 among healthcare workers. Med Lav 2021; 112, 3: 250-255 DOI: 10.23749/mdl.v112i3.11747
17. Baldassarri M., Fava F., Fallerini C., Daga S., Benetti E., Zguro K., Amitrano S., Valentino F., Doddato G., Giliberti A., Di Sarno L, Palmieri M., Carriero M.L., Alaverdian D., Beligni G., Iuso N., **Castelli F.**, Quiros-Roldan E., Mondelli M.U., Miceli R., Frullanti E., Furini F., Mari F., Renieri A., Gabbi C., and on behalf of the GEN-COVID Multicenter Study. Severe COVID-19 in Hospitalized Carriers of Single CFTR Pathogenic Variants. J. Pers. Med. 2021, 11, 558. https://doi.org/10.3390/jpm11060558
18. Signorini L, Moioli G, Calza S, Van Hauwermeiren E, Lorenzotti S, Del Fabro G, Renisi G, Lanza P, Sacconi B, Zambolin G, Latronico N, **Castelli F**, Cattaneo S, Marshall JC, Matteelli A, Piva S. Epidemiological and Clinical Characterization of Superinfections in Critically Ill Coronavirus Disease 2019 Patients. Crit Care Explor. 2021 Jun 11;3(6):e0430. doi: 10.1097/CCE.0000000000000430. eCollection 2021 Jun.
19. Zanella I, Zacchi E., Piva S., Filosto M., Beligni G., Alaverdian D., Amitrano S., Fava F., Baldassarri M., Frullanti E., Meloni I., Renieri A., **Castelli F.** Quiros-Roldan E C9orf72 intermediate repeats

confer genetic risk for severe COVID-19 pneumonia independently of age. *International Journal of Molecular Sciences*, Jun 29;22(13):6991. doi: 10.3390/ijms22136991

20. Kyriazopoulou E, Poulakou G, Millionis H, Metallidis S, Adamis G, Tsiakos K, Fragkou A, Rapti A, Damoulari C, Fantoni M, Kalomenidis I, Chrysos G, Angheben A, Kainis I, Alexiou Z, **Castelli F**, Serino FS, Tsilika M, Bakakos P, Nicastrì E, Tzavara V, Kostis E, Dagna L, Koufargyris P, Dimakou K, Savvanis S, Tzatzagou G, Chini M, Cavalli G, Bassetti M, Katrini K, Kotsis V, Tsoukalas G, Selmi C, Bliziotis I, Samarkos M, Doumas M, Ktena S, Masgala A, Papanikolaou I, Kosmidou M, Myrodià D-M, Argyraki A, Cardellino CS, Koliakou K, Katsigianni E-I, Rapti V, Giannitsioti E, Cingolani A, Micha S, Akinosoglou K, Liatsis-Douvitsas O, Symbardi S, Gatselis N, Mouktaroudi M, Ippolito G, Florou E, Kotsaki A, Netea MG, Eugen-Olsen J, Kyprianou M, Panagopoulos P, Dalekos GN, Giamarellos-Bourboulis EJ* Early treatment of COVID-19 with anakinra guided by soluble urokinase plasminogen receptor plasma levels: a double-blind, randomised controlled phase 3 trial. *Nat Med*. 2021 Sep 3. doi: 10.1038/s41591-021-01499-z. Online ahead of print.
21. Quiros-Roldan E, Izzo I, Carriero C, Degli Antoni M, Storti S, Tiecco G, Gardini G, Focà E., **Castelli F**. Decrease in new diagnosis of HIV/AIDS in the two years period 2019-2020: impact of COVID-19 pandemic. *Journal of Public Health Research*, 2021 Sep 24. doi: 10.4081/jphr.2021.2256. Online ahead of print
22. Magro P, Cerini C., da Gloria A, Tembe S, **Castelli F**, Tomasoni LR. Analysis of the cascade of care of HIV after one year of follow-up in a cohort of HIV-positive adult patients in three different health settings of Morrumbene, a rural area of Mozambique. *Trop Med Int Health*. 2021 Aug 29. doi: 10.1111/tmi.13671. Online ahead of print.
23. Quaresima V, Tsiri A, Opong B, Awunyo JADA, Adomah PA, Enty E, Donato F, **Castelli F**. Are Malaria Risk Factors Based on Gender? A Mixed-Methods Survey in an Urban Setting in Ghana. *Tropical Medicine and Infectious Diseases*, accepted for publication
24. Pezzaioli LC, Porcelli T, Delbarba A, Maffezzoni F, Focà E, **Castelli F**, Cappelli C, Ferlin A, Quiros-Roldan ME. Impact of hypogonadism on bone mineral density and vertebral fractures in HIV-infected men. *J Endocrinol Invest*. 2021 Aug 30. doi: 10.1007/s40618-021-01665-7. Online ahead of print
25. Kyriazopoulou E, Poulakou G, Millionis H, Metallidis S, Adamis G, Tsiakos K, Fragkou A, Rapti A, Damoulari C, Fantoni M, Kalomenidis I, Chrysos G, Angheben A, Kainis I, Alexiou Z, **Castelli F**, Serino FS, Tsilika M, Bakakos P, Nicastrì E, Tzavara V, Kostis E, Dagna L, Koufargyris P, Dimakou K, Savvanis S, Tzatzagou G, Chini M, Cavalli G, Bassetti M, Katrini K, Kotsis V, Tsoukalas G, Selmi C, Bliziotis I, Samarkos M, Doumas M, Ktena S, Masgala A, Papanikolaou I, Kosmidou M, Myrodià D-M, Argyraki A, Cardellino CS, Koliakou K, Katsigianni E-I, Rapti V, Giannitsioti E, Cingolani A, Micha S, Akinosoglou K, Liatsis-Douvitsas O, Symbardi S, Gatselis N, Mouktaroudi M, Ippolito G, Florou E, Kotsaki A, Netea MG, Eugen-Olsen J, Kyprianou M, Panagopoulos P, Dalekos GN, Giamarellos-Bourboulis EJ. Early treatment of COVID-19 with anakinra guided by soluble urokinase plasminogen receptor plasma levels: a double-blind, randomized controlled phase 3 trial. *Nat Med* (2021). <https://doi.org/10.1038/s41591-021-01499-z>
26. Marchese V, Formenti B, Cola G, Gregori N, Albini E, De Palma G, Possenti I, Scala M, **Castelli F**, Matteelli A. Importance of mitigation measures for hospital transmission of SARS CoV 2 at the onset of the epidemic: the experience of Brescia, Northern Italy. *Infection* <https://doi.org/10.1007/s15010-021-01692-9>

27. Tiecco G, Degli Antoni M., Storti S., Marchese V., Focà E., Torti C., **Castelli F.**, Quiros Roldan E. A 2021 update on syphilis. A tyake stock from pathogenesis to vaccines. *Pathogens*. 2021 Oct 21;10(11):1364. doi: 10.3390/pathogens10111364.
28. Focà E, Calcagno A, Calza S, Renzetti S, Chiesa A, Siano M, De Socio G, Piconi S, Orofino G, Madeddu G, Cattelan AM, Nozza S, Ferrara M, Milic J, Celesia BM, **Castelli F.** Guaraldi G. Durability of Integrase STRand Inhibitor (InSTI)-based regimen in geriatric people living with HIV in the GEPP0 cohort. *PLoS One*. 2021 Oct 13;16(10):e0258533. doi: 10.1371/journal.pone.0258533. PMID: 34644336; PMCID: PMC8513889.
29. Marchese V., Storti S., Morganti C., Tiecco G. Degli Antoni M., Focà E., **Castelli F.**, Quiros-Roldan E. Explorative study regarding influenza vaccine hesitancy among HIV-infected patients. *Vaccine*. Accepted for publication
30. Zanella I., Focà E., Degli Antoni M., **Castelli F.**, Quiros-Roldan E. An HIV elite controller patient carrying the homozygous H63D variant in the homeostatic iron regulator (HFE) gene: A case report. *Medicine* 2021; 100:45(e27732)
31. Comelli A, Guarner ME, Tomasoni LR, Zamboni AF, Pavon BM, Zanotti P, Caligaris S, Matteelli A, Soriano-Arandes A, **Castelli F.** Severe imported Plasmodium falciparum malaria in children: characteristics and useful factors in the risk stratification. *Travel Med Infect Dis*. 2021 Nov 5:102196. doi: 10.1016/j.tmaid.2021.102196.
32. Marchese V., Rossi L., Formenti B., Magoni M., Caruana A., Sileo C., Lanfredini L., **Castelli F.**, Matteelli A. Tuberculosis trend among native and foreign-born people over a seventeen year period (2004-2020) in a large province in Northern Italy. *Scientific Reports*, (2021) 11:23394 | <https://doi.org/10.1038/s41598-021-02540-4>
33. Meschiari M., Volpi S., Faltoni M., Dolci G., Orlando G., Franceschini E., Menozzi M., Sarti M., Del Fabro G., Fumarola B., Guarneri F., Lanza P., Lorenzotti S., Saccani B., Signorini L., Van Hauwermeiren E., Gatti M., Pea F., **Castelli F.**, Mussini C. Real-life experience with compassionate use of cefiderocol for difficult-to-treat resistant Pseudomonas aeruginosa (DTR-P) infections. *Journal of Antimicrobial Chemotherapy*, 2021 Dec 11;3(4):dlab188. doi: 10.1093/jacamr/dlab188. eCollection 2021 Dec.
34. Quiros-Roldan E., Amadasi S., Zanella I., Degli Antoni M, Storti S., Tiecco G., **Castelli F.** Monoclonal antibodies for COVID-19: current scenario and future perspectives. *Pharmaceuticals*, accepted for publication
35. Castelnuovo F., Tiecco G., Storti S., Fumarola B., Brianese N., Bertelli D., **Castelli F.** Pneumocystis jirovecii pneumonia in breast cancer mimicking SARS-CoV-2 pneumonia during pandemic. *Le Infezioni in Medicina*, n. 4, 614-617, 2021 - doi: 10.53854/liim-2904-16

Peer-reviewed scientific articles – (collaborative group member)

36. Croci S, Venneri MA, Mantovani S, Fallerini C, Benetti E, Picchiotti N, Campolo F, Imperatore F, Palmieri M, Daga S, Gabbi C, Montagnani F, Beligni G, Farias TDJ, Carriero ML, Di Sarno L, Alaverdian D, Aslaksen S, Cubellis MV, Spiga O, Baldassarri M, Fava F, Norman PJ, Frullanti E, Isidori AM, Amoroso A, Mari F, Furini S, Mondelli MU, Gen-Covid Multicenter Study (including **Castelli F.**), Chiariello M, Renieri A, Meloni I. The polymorphism L412F in TLR3 inhibits autophagy and is a marker of severe COVID-19 in males. *Autophagy*. 2021 Dec 29:1-11. doi: 10.1080/15548627.2021.1995152. Epub ahead of print. PMID: 34964709.
37. Daga S, Fallerini C, Baldassarri M, Fava F, Valentino F, Doddato G, Benetti E, Furini S, Giliberti A, Tita R, Amitrano S, Bruttini M, Meloni I, Pinto AM, Raimondi F, Stella A, Biscarini F, Picchiotti N, Gori M, Pinoli P, Ceri S, Sanarico M, Crawley FP, Birolo G; GEN-COVID Multicenter Study (including **Castelli F.**), Renieri A, Mari F, Frullanti E. Employing a systematic approach to biobanking and analyzing clinical and genetic and clinical data for advancing COVID-19 research. *Eur J Hum Genet*. 2021 Jan 17:1-15. doi: 10.1038/s41431-020-00793-7. Online ahead of print.
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Books' chapters - 2020

Authors	Chapter's Title	Book	Publisher
Castelli F., Magro P.	Global Health and Globalization	Lecture notes on tropical medicine and global health, Quaderni di Medicina Tropicale e Salute Globale, n. V	Società Italiana di Medicina Tropicale e Salute Globale (SIMET)
Castelli F., Quaresima V.	Sustainable Development Goals	Lecture notes on tropical medicine and global health, Quaderni di Medicina Tropicale e Salute Globale, n. V	Società Italiana di Medicina Tropicale e Salute Globale (SIMET)
Capone S., Pezzoli M.C., El Hamad I.	Impact of Migration on Global Health Issues	Lecture notes on tropical medicine and global health, Quaderni di Medicina Tropicale e Salute Globale, n. V	Società Italiana di Medicina Tropicale e Salute Globale (SIMET)
Marchese V., Magro P., Matteelli A.	Sexually Transmitted Infections (STI) epidemiology, classification and impact	Lecture notes on tropical medicine and global health, Quaderni di Medicina Tropicale e Salute Globale, n. V	Società Italiana di Medicina Tropicale e Salute Globale (SIMET)
Matteelli A., Formenti B.	Tuberculosis – Ending the TB epidemic	Lecture notes on tropical medicine and global health, Quaderni di Medicina Tropicale e Salute Globale, n. V	Società Italiana di Medicina Tropicale e Salute Globale (SIMET)
Formenti B., Comelli A., Caligaris S.	Malaria epidemiology, global impact and control strategy	Lecture notes on tropical medicine and global health, Quaderni di Medicina Tropicale e Salute Globale, n. V	Società Italiana di Medicina Tropicale e Salute Globale (SIMET)
Comelli A., Focà E.	HIV/AIDS in Africa	Lecture notes on tropical medicine and global health, Quaderni di Medicina Tropicale e Salute Globale, n. V	Società Italiana di Medicina Tropicale e Salute Globale (SIMET)

Books' chapters - 2019

Authors	Chapter's Title	Book	Publisher
Quaresima V, Agbenyega T, Osei-Kofi D, Oppong B, Enty E, Castelli F.	Is <i>Plasmodium falciparum</i> malaria incidence and severity in holo-endemic areas affected by gender?	Good Health, Quality Education, Sustainable Communities, Human Rights. The scientific contribution of Italian UNESCO Chairs and partners to SDGs 2030	Florence University Press, 2019
Marchese V, Capone S, El Hamad I, Tomasoni LR, Gulletta M, Caligaris S, Castelli F, Matteelli A	Addressing tuberculosis in vulnerable populations in Europe: the E-Detect-TB project and its activities in Brescia	Good Health, Quality Education, Sustainable Communities, Human Rights. The scientific contribution of Italian UNESCO Chairs and partners to SDGs 2030	Florence University Press, 2019
Gallizioli C, Tomasoni LR, Cerini C, Arieti F, da Nelola N, Castelli F.	National Immunization programme in rural area of Mozambique; evaluation of immunization coverage rates in child population accessed to a health service	Good Health, Quality Education, Sustainable Communities, Human Rights. The scientific contribution of Italian UNESCO Chairs and partners to SDGs 2030	Florence University Press, 2019
Comelli A, Tomasoni LR, Arieti F, Cerini C, Izzo I, da Gloria Julio andré A, Calia M, Castelli F.	Retention in care of newly diagnosed HIV patients. Similarities and differences among Italian health system and mobile-TARV strategy in Morrumbene, Mozambique	Good Health, Quality Education, Sustainable Communities, Human Rights. The scientific contribution of Italian UNESCO Chairs and partners to SDGs 2030	Florence University Press, 2019

Books' chapters - 2018

Authors	Title of the Chapter	Title of the Book	Publisher
Castelli F, Muiesan ML, El Hamad I	Migration, communicable and non-communicable diseases. Are we witnessing a paradigm shift?	Ethnic diversities, hypertension and global cardiovascular risk (Editors: Modesti P.A., Cappuccio F.P., Parati G.), pagg. 17-26	Springer, 2018
Castelli F.	Il faticoso cammino della salute per tutti	Un viaggio lungo 50 anni. Il cammino di Medicus Mundi nella Cooperazione Internazionale, pagg. 29-33	Tipografia GraficaCM, Leno (BS), 2018
Castelli F.	La cooperazione internazionale per lo sviluppo: i migranti ci interrogano	Un viaggio lungo 50 anni. Il cammino di Medicus Mundi nella Cooperazione Internazionale Pagg. 43-46	Tipografia GraficaCM, Leno (BS), 2018

DECLARATION OF THE ITALIAN UNESCO CHAIRS FOR SUSTAINABILITY

Dichiarazione delle Cattedre UNESCO Italiane per la Sostenibilità

The Italian UNESCO Chairs, which with the *DIALOGHI DELLE CATTEDRE UNESCO: un laboratorio di idee per il mondo che verrà / DIALOGUES OF THE UNESCO CHAIRS: a laboratory of ideas for the world to come* project have started a process aimed at operating as a collective body, interacting and proposing themselves as a "community of knowledge", have drawn up a Declaration for sustainability and socio-ecological transition.

This Declaration is the result of a journey that began a year ago (in the autumn of 2020) and that has seen the Italian UNESCO Chairs/UNITWIN develop an intense scientific dialogue through a series of webinars about environmental and social sustainability. The dialogue undertaken implements the indication and spirit of the Italian National Commission for UNESCO, which has always supported the network cooperation of UNESCO Chairs.

We believe that, in order to achieve the goals of sustainable development set by the United Nations 2030 Agenda, an integrated thinking, the commitment of all and a profound change in our perception of ourselves and the world are needed to achieve a new paradigm of human development in harmony with the planet that hosts us.

The Declaration is an expression of the commitment and contribution of the Italian UNESCO Chairs in the development of education and knowledge in relation to the global environmental challenge. The many specificities of the Italian UNESCO/UNITWIN Chairs converge on this point and, speaking with one voice, they intend to propose a contribution of ideas and expertise to national, European, and international policies and to the UNESCO itself.

The Declaration is also addressed to the national university institutions, within which the UNESCO Chairs are committed to the achievement of sustainable development objectives. They responsibly assume the role of producers of new knowledge, preparing programs aimed at responding more promptly and independently to the renewed demand for new learning and research in a world undergoing rapid economic, social, and technological change.

Finally, the Declaration intends to speak to people and communities, bringing ideas confronting everyday life.

DECLARATION OF THE ITALIAN UNESCO CHAIRS

PREAMBLE

Having regard to the Sustainable Development Goals (SDGs), adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity,

Having regard to the Resolution adopted by the United Nation General Assembly on 19 December 2019 on Culture and sustainable development,

Having regard to the UNITWIN/UNESCO Chairs Program launched in 1992, which promotes international inter-university cooperation and networking to enhance institutional capacities through knowledge sharing and collaborative work,

Having regard to the UNESCO Universal Declaration on Cultural Diversity adopted in 2001,

Having regard to the UNESCO Climate change education initiative for sustainable development launched in 2010,

Having regard to the UNESCO's Medium-Term Strategy for 2014-2021,

Having regard to the Jena Declaration on Humanities and Social Sciences for Sustainability. Cultural and regional dimensions of global sustainability, adopted on March 18th, 2021,

Having regards to the Wuppertal Declaration on Sustainable Development through International and Transdisciplinary Cooperation in Science and Education Recommendations of the UNESCO Chairs in Germany and their international partners,

THE ITALIAN UNESCO CHAIRS HAVE ADOPTED THE FOLLOWING DECLARATION

1. Challenges

In the interdisciplinary debate that defines the UNESCO Chairs, the point of convergence has been identified in the future of our planet, a necessary focal point in a context characterized by radical anthropogenic transformations of ecosystems (Anthropocene). The environmental issue emerges as a perfect indicator and multiplier of differences and inequalities, where the inextricable interconnection between nature and human society is evident. The appropriation of nature is at the heart of today's ecological and social problems, such as climate change, the intensification of disaster events, the loss of biodiversity, the degradation of habitats and cultivated land, and the

indiscriminate extraction of raw materials. All this implies a radical fragmentation of the relationship between human being and nature.

Environmental and demographic transitions, including climate change and ageing populations in high-income countries, are likely to alter migration patterns in the coming decades and require a deep understanding of the future of social composition across the globe.

At the same time, the exponential acceleration of changes in technological development and in digital communication and in the relationship between human being and machine calls for an equivalent growth of awareness and responsibility in individuals, communities, social and institutional organizations. The impact of digital tools on democratic systems as well as on the natural environment is evident. Moreover, there is the necessity of promoting digital equity in education in all countries of the world.

In a context increasingly defined by a digital environment, and where the dimension of the virtual expands, volatility and uncertainty also increase. To govern the acceleration and exponential increase of the new contexts, there is a need for a restructuring of knowledge and the growth of critical skills for the validation and organization of knowledge. There is a need to develop the potential of the human being that distinguishes him/her from the machine, namely, his/her ability to contact a moral and spiritual dimension, and to express abstract projections and visions.

The UNESCO Chairs are intended to respond to an urgent and heartfelt requirement to make the appropriate decisions to cope with these radical global changes.

2. Vision

The vision expressed in the Declaration is summarized in the following points:

- The environmental challenge and the future of the planet as the horizon (attractor) against which to process reality and the relationships between phenomena, issues, and contexts, both environmental and social;
- The global and local perspective in addressing environmental issues, where the needs of the local reality (landscapes, territories and cities) meet those of the planet;
- The central role of education and the reorganization of knowledge to address the environmental and social challenge in their interdependence, with an approach to education as a "common good" and knowledge as a "global common good";
- Educating in complex thinking, through the development of skills to "learn to become" and through reflection on issues such as climate change;
- A commitment to a just, egalitarian ecological transition for all peoples that recognizes human rights to the environment, and to a bottom-up, participatory, and shared ecological transition;

- A perspective on sustainability that leads back to human-nature unity and to an interdependent society-nature relationship;
- A perspective on sustainability as the development of community awareness, and self-awareness of people, based on the relationship between matter and aspiration (spiritual dimension), for an integral sustainability and a responsible ecological transition to the whole, and for a sustainability that is based on peace, whose defense must begin in the hearts and minds of people;
- The need for integrated knowledge, to be developed in a transdisciplinary environment, and for co-created knowledge, adopting and experimenting with "communities of knowledge" and "communities of practice", in which all can contribute as "knowledge carriers", fostering cooperative learning and the ethics of collective intelligence;
- Promote and develop educational and knowledge processes, through dialogue and integration between different cultures so as to value bio-cultural diversity.

3. Methodological approach

The way to operate and the tools are integral parts of the vision.

In order to collectively address the many challenges described above, UNESCO Chairs share a methodological approach that provides a common basis for addressing complexity through the interaction of multiple perspectives:

- Create transdisciplinary research environment;
- Become a "community of knowledge";
- Practice scientific knowledge of excellence, shared with all social actors, embracing the principles and tools of "post-normal science" and "citizen science";
- As a collective subject with a high scientific profile, adopt complex thinking, able to contribute to the definition of transition strategies towards a just and sustainable ecological society (for the "transition from below", and the "just transition");
- Practice strategies of interrelationship between issues and problem areas by bringing the links on a plane of superordinate logical order, in order to deal effectively with complexity;
- Develop tools to verify processes through the definition of appropriate quantitative and qualitative indicators.

4. Objectives and future perspectives

In order to meet the challenges of the world to come, the UNESCO Chairs intend to collaborate, as a collective entity, by undertaking the following actions and pursuing the following objectives:

- Provide a think-tank useful for the creation of knowledge, strategic and technical support tools for decision-makers, and above all to transfer this knowledge to future generations;

- Implement a transdisciplinary and transnational educational approach and promote a culturally open educational and research environment;
- Contribute to introduce the environmental challenge in school and university education, in order to enable the acquisition of a critical view of reality and of the relationships between natural and social phenomena;
- Educate on climate change, as a complex phenomenon that necessarily implies overcoming a reductionist view of skills;
- Contribute to the realization of a just and inclusive ecological transition, which takes into account the different social and natural vulnerabilities in different contexts, as well as different cultures and migration processes;
- Ensure bottom-up participation according to democratic principles, respecting gender equality and fundamental rights;
- Increase the process of community awareness, and self-awareness of people, for an integral sustainability based on the balance between human being and nature;
- Develop scientific and educational actions to achieve the goals of the 2030 Agenda by proposing new solutions, emphasizing the importance of human dignity, common good and health, solidarity and subsidiarity in personal actions and political decisions, in the search for truth, freedom, justice and peace;
- Operate consciously for the achievement of the goals of the 2030 Agenda, becoming intermediate actors between institutions (national and UNESCO) and communities, contributing to the construction of new paradigms to manage the transition of natural, social, productive and settlement systems;
- Present themselves as potential interlocutors of national institutions and international agencies on issues of ecological transition, creating new support tools for decision-makers, promoting actions based on "risk-informed sustainable development";
- Develop tools that facilitate the process of sharing and dissemination of knowledge, as well as the implementation of best practices, acting as bridge builders between academia, civil society, and policy makers;
- Embrace the process initiated with the "*DIALOGUES OF THE UNESCO CHAIRS*" as a good practice in the experimentation of collaboration among UNESCO Chairs.

October 2021

*The Italian UNESCO Chairs
(With the complete list of signatures on the next pages)*

1. **Rita Aquino**, UNESCO Chair on Plants for Health in the Mediterranean Traditions (2021), University of Salerno;
2. **Aldo Aymonino**, UNESCO Chair on Heritage and urban regeneration (2016), IUAV University of Venezia;
3. **Lucio Barbera**, UNESCO Chair on Sustainable Urban Quality and Urban Culture, notably in Africa (2013), La Sapienza University of Roma;
4. **Patrizio Bianchi**, UNESCO Chair on Education, Growth and Equality (2020), University of Ferrara;
5. **Federico Bucci**, UNESCO Chair in Architectural Preservation and Planning in Heritage Cities (2012), Polytechnic University of Milano;
6. **Paolo Canuti**, UNESCO Chair on the Prevention and Sustainable Management of Geo-Hydrological Hazards (2016), University of Firenze;
7. **Francesco Castelli**, UNESCO Chair on Training and Empowering Human Resources for Health Development in Resource-Limited Countries (2014), University of Brescia;
8. **Paolo Ceccarelli**, UNESCO Chair in Urban and Regional Planning for Sustainable Local Development (2008), University of Ferrara;
9. **Annamaria Colao**, UNESCO Chair on Health Education and Sustainable Development (2019), Federico II University of Napoli;
10. **Vittorio Colizzi**, UNESCO Interdisciplinary Chair in Biotechnology (1998), Tor Vergata University of Roma;
11. **Emanuela Colombo**, UNESCO Chair in Energy for Sustainable Development (2012), Polytechnic University of Milano;
12. **Angela Colonna**, UNESCO Chair on Mediterranean Cultural Landscapes and Communities of Knowledge (2016), University of Basilicata;
13. **Gennaro Curcio**, UNESCO Chair on Peace, Development and Cultural Policies (1999), Jacques Maritain International Institute, Roma;
14. **Fiorella Dallari**, University of Bologna – Polo of Rimini, italian partner in the Réseau UNITWIN «Culture tourisme développement» (2002), Panthéon Sorbonne University of Paris;
15. **Alessandra De Rose**, UNESCO Chair in Population, Migrations and Development (2008), Sapienza University of Roma;
16. **Pier Paolo Franzese**, UNESCO Chair on Environment, Resources and Sustainable Development (2020), Parthenope University of Napoli;
17. **Carmine Gambardella**, UNESCO Chair on Landscape, Cultural Heritage and Territorial Governance (2016), Benecon University Consortium of Caserta;
18. **Alberto Garcia**, UNESCO Chair in Bioethics and Human Rights (2009), Ateneo Pontificio Regina Apostolorum, European University of Roma;

19. **Stefano Grimaz**, UNESCO Chair on Intersectoral Safety for Disaster Risk Reduction and Resilience (2018), University of Udine;
20. **Antonio Guerci**, UNESCO Chair on Anthropology of health, biosphere and et systemes of heal (2013), University of Genova;
21. **Giovanna Marconi**, UNESCO Chair in Social and Spatial Inclusion of International Migrants: Urban Policies and Practice (2008), IUAV University of Venezia;
22. **Marco Mascia**, UNESCO Chair in Human Rights, Democracy and Peace (1999), University of Padova;
23. **Aristide F. Massardo**, UNESCO Chair on Innovative, Sustainable and Clean Energy Research and Education (2021), University of Genova;
24. **Alberto Melloni**, UNESCO Chair in Religious Pluralism and Peace (2008), University of Bologna;
25. **Giulio Mondini**, UNESCO Chair on New paradigms and instruments for bio-cultural landscape management (2015), Links Foundation – Leading Innovation & Knowledge for Society - former Higher Institute on Territorial Systems for Innovation (SiTI), University of Torino;
26. **Paolo Orefice**, UNESCO Transdisciplinary Chair in Human Development and Culture of Peace (2006), University of Firenze;
27. **Dario Padovan**, UNESCO Chair in Sustainable Development and Territory Management (2010), University of Torino;
28. **Pier Luigi Petrillo**, UNESCO Chair on Intangible Cultural Heritage and Comparative Law (2019), Unitelma Sapienza University of Roma;
29. **Roberto Poli**, UNESCO Chair on Anticipatory Systems (2013), University of Trento;
30. **Barbara Pozzo**, UNESCO Chair on Gender Equality and Women’s Rights (2019), Insubria University of Como;
31. **Paola Raffa**, UNESCO Chair on Mediterranean Landscaper in Context of Emergency (2021), University of Reggio Calabria;
32. **Giuseppe Resnati**, Network UNITWIN on Green Chemistry Excellence from the Baltic Sea to the Mediterranean and Beyond (2017), Polytechnic University of Milano;
33. **Domenico Simeone**, UNESCO Chair on Education for Human Development and Solidarity among Peoples (2018), Sacro Cuore Catholic Univerity of Milano;
34. **Lucio Ubertini**, UNESCO Chair on Water Resources Management and Culture (2013), University for Foreigners of Perugia;
35. **Giovanni Vaggi**, Network UNITWIN on International Cooperation and Development (2015), University of Pavia and University of Bethlehem;
36. **Francesco Vallerani**, UNESCO Chair on Water Heritage and Sustainable Development (2020), Ca’ Foscari University of Venezia;
37. **Guido Zolezzi**, UNESCO Chair in Engineering for Human and Sustainable Development (2011), University of Trento.

Conius Statement 2018*

Guidelines: the human condition today and the reference to the universal principles of human rights (1); reflection on ethics and human rights (2; 3; 4); gap between theoretical principles and government action (5); migration and the rights of citizenship as a terrain in which human rights are exercised and the concrete action of governments (6; 7; 8; 9); cultural identity, religious dialogue, inclusive societies: the role of education and migration (10; 11; 12; 13); the role of local territories and governments in the management of migration, in the promotion of integration, in the exercise of the respect for human rights (14; 15; 16; 17; 18); role and functions of the UNESCO Chairs (19; 20).

1. The current human condition urges rapid progress along the road of pluralising citizenship as an answer to the twofold requirement for the respect of human dignity and for social cohesion within States.

2. The exercise of human rights is the grammar of the democratic governance. Every process of participation, decision, evaluation and control has to be analysed in the light of the effectiveness of the rights involved: the realization of each right, with the freedoms and responsibilities that are associated with it, defines an authentic relationship for the quality of life and the daily construction of a democratic culture. Every human right indicates a level of security from which the development of law is not only possible but, through inclusive governance, ensures that every person is respected as being worthy, free and co-responsible for development.

3. To work for peace, justice and institutions means starting from the ethical dimension that is trust in the human being and the search for consistency between the different rationalities that constitute the human knowledge; but it is also a dialectical method for building a dialogue which is the result of exchange, of listening to people, above all of those who have known the heaviest sufferings. Ethics involves the development of the dignity of each person through cooperation with others, within the framework of fair institutions and organizations able and legitimate to manage the conflicts.

4. Ethics is the learning of responsibility and it is defined by the ability to respond to the requests and needs of others. Ethics is the fight against all that is inhuman, against violations of human rights and its reference criterion is human security defined by respect for human rights seen in their interdependence and indivisibility.

5. As far as human rights are concerned, there is a growing gap among countries' declared (and perceived) external actions and their actual performance at both international and domestic level. The construction of a country's international reputation and credibility has to be based on its commitment to responsibly contribute promoting an effective integrated approach to human rights, peace, justice and sustainable development.

6. Compared to historic national citizenships, «universal» citizenship corresponds to the recognition of citizenship rights to any person living within the municipal boundaries. As a consequence, the traditional notion of citizenship, must change from a view to exclusion (*ad alios excludendos*: foreigners, non-EU citizens) to one of egalitarian and inclusive citizenship.

7. This commitment concerns primarily the European Union, as the pioneer of pluralisation of citizenship. As the original experiment in multilevel and supranational *governance*, the EU is not only a *legal space*, but it is also a *territory*, which can be used to exercise fundamental rights and freedoms, including the free circulation of people, as well as of goods, services and capitals.

8. In our multicultural societies, immigration and citizenship are not contradictory issues. They both fall ontologically within the field of rights for the «equal dignity of all members of the human family». Both citizenship and the institution of citizenship must be framed so that the *ius humanae dignitatis* prevails over other parameters, especially over the *ius sanguinis*, in the framework of a migrants friendly integration approach.

9. In Europe, the *acquis communautaire* represents a new frontier open or closed to migrants and refugees according to the Dublin Agreements and their revisions. Though the frontier of the European Union was conceived as a commercial frontier, it now represents the access to the entire *acquis communautaire*, as a standard of civilization and a byword for the European identity.

* With the contribution of the UNESCO Chairs of the Universities of Basilicata, Bergamo, Brescia, Cagliari, Ferrara, Firenze, Genova, Padova, Roma Ateneo Pontificio "Regina Apostolorum", Roma La Sapienza, Siena, Venezia IUAV and of Istituto Maritain.

10. It is necessary to restore a community cultural identity, its historical connection with the site, the common care of cultural resources, in order to safeguard its universal value. Dealing with the community in the definition and the consciousness of a cultural identity related to the history of the place, means an expressive understanding of the authenticity of the heritage as a still alive world.

11. Successfully facing the challenge of building inclusive and diverse societies in cultural and religious terms is not only necessary for countries to be able to devote themselves to other priorities, such as economic growth and the eradication of poverty; thus, ensuring that the full religious and cultural freedom for all is itself a fundamental goal to reach.

12. Education can become an instrument of political change if it succeeds in making people and groups work together in the search for a status of equal rights for all; and it helps educating qualified teachers on social construction as an opening to a new phase of history capable of initiating a process of personal, local and communitarian rehabilitation. And, again, education can create social cohesion only if it manages to keep abilities, personal skills, cognitive styles, differentiated learning processes and respect the individual and social dimensions of the person, making this the master force of his expression in the world.

13. Researchers have shown that students with migratory background are considered as a disadvantaged and vulnerable group due to several economic, educational and psycho-social factors. In the same time, their resilience – conceived as the capacity to reach adequate levels of adjustment across multiple well-being dimensions – is significant, not only in terms of protective factors, but also as a contribution to enrich host societies and promote intercultural communities globally.

14. Migration demands a multiple answer, at European, national and municipal level. The resources required to face housing, school, health, and mobility needs must be provided largely by the central government, but the efficient and equitable allocation of them is the responsibility of the local level of government.

15. A EU citizenship having as its administrative parameter a «European» *ius soli*, clearly requires a reversal of the *ratio* which currently informs the Union citizenship. It should be up to the local government to promote the operation directed at a proper pluralisation of the institute of a new citizenship within the European Union.

16. Local Governments are fully entitled to claim and share the principle of the «*responsibility to protect*», launched by the United Nations at the start of the third Millennium, looking to States as the main subjects of reference. But people, families and groups turn to local government bodies, as their closest institutions, in order to ask for protection, security and social services. Human rights are indeed protected or violated in the places where people live their daily lives.

17. As Eleanor Roosevelt stressed: «Where, after all, do universal human rights begin? In small places, close to home - so close and so small that they cannot be seen on any maps of the world. Yet they are the world of the individual person; the neighbourhood he lives in; the school or college he attends; the factory, farm, or office where he works. Such are the places where every man, woman, and child seeks equal justice, equal opportunity, equal dignity without discrimination».

18. The 2019 Global Education Monitoring Report “Migration, displacement and education: building bridges, not walls”, states that education provided equally builds bridges; unequal provision raises walls between migrants and refugees and their host communities.

Two new global compacts on migrants and refugees recognize education’s role and set objectives aligned with the global commitment to leave no one behind.

19. Established to foster cultural diversity, intercultural dialogue and a culture of peace, UNESCO Chairs have a crucial role as thinktanks and bridgebuilders between academia, civil society, local communities, research and policy-making. UNESCO Chairs, in agreement with their international partners, promote the dialogue among civilizations, cultures and peoples, based upon respect for commonly shared values as prerequisite for social cohesion and peace.

20. The Italian UNESCO Chairs, very concerned about the future of our societies, stand in favour of the rights inherent to the equal dignity of all human beings and against all discrimination based on the *ius sanguinis* in favour of the recognition of the equal status and social justice for all. This is why the Italian UNESCO Chairs act in line with the goals, objectives and indicators of the Agenda 2030 and of the Global Compact of the United Nations.



UNIVERSITY
OF BRESCIA



United Nations
Educational, Scientific and
Cultural Organization



UNESCO Chair on Training and Empowering
Human Resources for Health Development
in Resource-Limited Countries
University of Brescia

 **SUSTAINABLE
DEVELOPMENT GOALS**



**Introducing the UN Sustainable Development Goals to the
academic and civil communities.**

An educational program of the University of Brescia

Rationale of the proposal

The United Nations *Sustainable Development Goals* (SDGs) have been adopted on the 25th of September 2015 by the UN General Assembly to serve as the roadmap towards the 2030 horizon (the 2030 UN Agenda). Although SDGs stem from the *Millennium Development Goals* (MDGs) that have covered the 2000-2015 period and were mainly focused on resource-limited Countries, they have a much broader scope addressing economic, educational, health, environmental, energetic and ecological issues of concern for any Country on the Planet.

As the Sustainable Development Goals will shape the efforts of the Nations in the next 15 years, it is of the utmost importance that the university system everywhere acts so that they are known and understood by the academic community and the civil societies. This should be done in the most integrated and international way as possible as the SDGs are multidisciplinary in nature.

The University of Brescia has a longstanding record of activities in the field of International Cooperation with both other industrialized Countries and resource-limited Countries. In particular, the University of Brescia is a member of the SDSN network and hosts the UNESCO Chair on training human health resources in resource-limited countries, co-organizer of the proposal.

The University of Brescia has planned and approved a long-term educational project aimed at introducing the Sustainable Development Goals to its academic community and to the civil society where it operates.

Project team

Prof. Maurizio Tira

- Magnificent Rector, University of Brescia

Prof. Francesco Castelli

- Rector's Delegate for Cooperation and Development and Focal Point for the SDSN Network
- UNESCO Chairholder *Training and empowering human resources for health development in resource-limited countries*

Prof. Carlo Collivignarelli

- Director, Laboratory Center for Appropriate Technologies for Environmental Management in resource-limited Countries (CETAMB-Lab)

Prof. Gianni Gilioli

- Co-Focal Point for the SDSN Network

Prof. Roberto Ranzi

- Rector's Delegate for International Affairs

Prof.ssa Sabrina Sorlini

- Laboratory Center for Appropriate Technologies for Environmental Management in resource-limited Countries (CETAMB-Lab)

The University of Brescia

The University of Brescia is a young and dynamic State and public University situated in Brescia, the second largest city in the Lombardy Region. The University of Brescia is intended to serve the population of the Provinces of Brescia (1.200.000 inhabitants), Mantua (412.000 inhabitants) and Cremona (360.000 inhabitants), among the most beautiful and historical areas in Italy.

The University of Brescia has four main sectors: Health, Engineering, Law and Economics. It offers 24 Degrees, 21 Masters and 8 PhDs to nearly 15.000 students. It also hosts the UNESCO Chair on *“Training and empowering human resources for health development in resource-limited countries”* and the WHO Collaborating Centre for TB/HIV co-infection.

Many cooperative projects have been carried out by the University of Brescia in developing Countries, mainly in the health and engineering fields in many countries of Africa (Ethiopia, Comoro Islands, Mozambique, Mauritius, Burkina Faso, Senegal, Uganda), Latin America (Ecuador) and Asia (Thailandia, Vietnam).

Aims of the proposal

To introduce the Sustainable Development Goals to its academic community and to the civil society where it operates.

Methods

A cycle of seminars will be organized, one for each of the SDGs. The general frame of the Seminars is introduced by an academic staff of the University of Brescia, selected because of his/her competence in the field addressed by the specific Sustainable Development Goal, who is responsible for selecting a national or international expert that will be the Honorary Guest of the Seminar.

The Honorary Guest will lecture and discuss with the audience, which will mostly be composed by students from the University of Brescia and the neighboring Universities. Students from the secondary higher schools (Colleges) will also be invited to attend the Seminars.

The Magnificent Rector of The University of Brescia, Prof. Maurizio Tira, will participate in all Seminars. The Seminars will be organized at monthly/bimonthly intervals.

All Seminars will be recorded and posted on the University of Brescia website (<https://www.unibs.it/ateneo/vita-dell-ateneo/seminars-sustainable-development-goals>). The complete series of Seminars, possibly translated into English, will then be made available to the Italian and International Academic communities as a teaching tool to be used for educational purposes.

Possible stakeholders

It is expected that the following bodies may be interested in our proposal:

- The Sustainable Development Solution Network (SDSN)
- The Network of UNESCO Chairs in Italy and UNESCO Headquarters in Paris
- The *Conferenza dei Rettori delle Università Italiane* – Conference of the Rectors of Italian Universities (CRUI)
- The Italian Ministry of Foreign Affairs and International Cooperation
- *Alleanza Italiana per lo Sviluppo Sostenibile* – Italian Alliance for Sustainable Development (ASVIS)

Laurea honoris causa

In line with the endorsement of the Agenda 2030 strategy, the Academic Senate of the University of Brescia has decided to Award the *Laurea honoris causa* in **Management, Green Economy and Sustainability** to Prof. **Jeffrey Sachs**, from the Columbia University (USA) for his outstanding contribution to the definition of the Sustainable Development Goals and their targets. The Award Ceremony has taken place at The Teatro Grande of Brescia on February 12, 2018 (<https://www.unibs.it/node/16557>).

Venue

The Seminars will take place at the “*Ridotto del Teatro Grande*”, one of the most beautiful theatres in Italy, built in the XVIII Century. This is possible thanks to the collaboration of the “*Fondazione del Teatro Grande*”.



The presence of many national and international experts in the centre of the City of Brescia is aimed at symbolizing the union and intimate relationship between the University and the civil society of the city of Brescia.

2017 Programme

Opening Seminar (11th May, 2017)

- Honorary Guest: Emeritus Professor **Emanuele Severino** (University Ca' Foscari, Venice)
- Title of the Opening Lecture: Towards a better world
- Focal Point for the University of Brescia: Prof. Francesco Castelli



Prof. E. Severino between the Magnificent Rector Prof. M. Tira (left) and Prof. F. Castelli, UNESCO Chairholder (right)

SDG n. 1 – No poverty (1st June, 2017)

- Honorary Guest: Professor **Giovanni Gozzini** (University of Siena)
- Focal Point for the University of Brescia: Prof. Terenzio Maccabelli



Prof. G. Gozzini (right) and Prof. T. Maccabelli (left)

SDG n. 2 – Zero hunger (7th September, 2017)

- Honorary Guest: Professor **Claudia Sorlini** (University of Milan and President, EXPO2015 Scientific Board)
- Focal Point for the University of Brescia: Prof. Gianni Gilioli



Prof. C. Sorlini (left) and Prof. G. Gilioli (right)

SDG n. 3 – Good health and well-being (27th October, 2017)

- Honorary Guest: Dr **Mario Raviglione** (Director, Global TB Programme, WHO Geneva)
- Focal Point for the University of Brescia: Prof. Francesco Castelli



Prof. M. Raviglione

SDG n. 4 – Quality education (8th November, 2017)

- Honorary Guest: Emeritus Professor **Paolo Orefice** (University of Firenze)
- Focal Point, Catholic University of the Sacred Heart: Prof. Domenico Simeone



Prof. P. Orefice (left) and Prof. D. Simeone (right)

SDG n. 5 – Gender equality (20th November, 2017)

- Honorary Guest: Professor **Chiara Saraceno** (Universities of Turin and Berlin)
- Focal Point for the University of Brescia: Prof. Susanna Pozzolo



Prof. C. Saraceno (left) and Prof. S. Pozzolo (right)

2018 Programme

SDG n. 6 – Clean water and sanitation (5th February, 2018)

- Honorary Guest: C. Zurbruegg (Zurigo)
- Focal Point for the University of Brescia: Prof. Francesco Donato and Prof. Sabrina Sorlini



Prof. C. Zurbruegg (center), Prof. S. Sorlini (left), Prof. F. Donato (right)

SDG n. 7 – Affordable and clean energy (9th March, 2018)

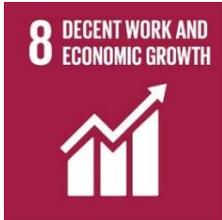
- Honorary Guest: Prof. Pippo Ranci (Milano)
- Focal Point for the University of Brescia: Prof. Lucio Zavanella



Prof. L. Zavanella (left), Prof. P. Ranci (right)

SDG n. 8 – Decent work and economic growth (5th April, 2018)

- Honorary Guest: Prof. Enrico Giovannini (ASVIS)
- Focal Point for the University of Brescia: Prof. Maria Laura Parisi



Prof. E. Giovannini

SDG n. 9 – Industry, innovation and infrastructure (26th April, 2018)

- Honorary Guest: Dott. Giovanni Milani (ENI, Milano)
- Focal Point for the University of Brescia: Prof. Devis Bianchini and Prof. Sergio Vergalli



Dr G. Milani (ENI)

SDG n. 10 – Reduced inequalities (11th May, 2018)

- Honorary Guest: Roberto Barbieri (OXFAM)
- Focal Point for the University of Brescia: Prof. Raffaele Miniaci



Dr R. Barbieri (OXFAM)

SDG n. 11 – Sustainable cities and communities (24 September 2018)

- Honorary Guest: Robert Yaro (USA)
- Focal Point for the University of Brescia: Prof. Maurizio Tira



Prof. M. Tira (left), Dr R. Yaro (right)

SDG n. 12 – Responsible production and consumption (October 8th, 2018)

- Honorary Guest: Prof. F. Sottile (Palermo)
- Focal Point for the University of Brescia: Prof. A. Tencati



From left to right: Prof. F. Castelli, Prof. A. Tencati, Prof. F. Sottile (right)

SDG n. 13 –Climate action (December 4th, 2018)

- Honorary Guest: Filippo Giorgi (Trieste)
- Focal Point for the University of Brescia: Prof. Roberto Ranzi and Prof.ssa Giovanna Grossi



From left to right: Prof. F. Giorgi (Trieste), Prof. R. Ranzi and Prof. G. Grossi (University of Brescia)

2019 Programme

SDG n. 14 – Life below water (January 10th, 2019)

- Honorary Guest: Nadia Pinardi (Bologna)
- Focal Point for the University of Brescia: Marco Pilotti (DICATAM)



Prof. M. Pilotti (left), Prof. N. Pinardi (right)

SDG n. 15 – Life on land (January 25th, 2019)

- Honorary Guest: Carlo Rondinini (Rome)
- Focal Point for the University of Brescia: Roberta Pedrazzani (DIMI)



Prof. R. Pedrazzani (left), Prof. C. Rondinini (right)

SDG n. 16 – Peace, justice and strong institutions (March 19th, 2019)

- Honorary Guest: Moni Ovadia (Rome)
- Focal Point for the University of Brescia: Prof. Antonello Calore



SDG n. 17 – Partnership for the Goals (May 22nd, 2019)

- Honorary Guests: Dr Luigi Ferrata (ASVIS) and The Students' Theatre Company, University of Brescia



Key conference - 2021

Lecturer	Title (in the language the lecture has been delivered)	Congress/conference	Venue, date
Francesco CASTELLI	Dalla eradicazione della poliomielite alle malattie infettive già conosciute ed emergenti	UNIVAX Day, a national event organized by the Italian Society of Immunology, Clinical Immunology and Allergology (SIICA)	Brescia, 17 March 2021
Francesco CASTELLI	Lectures: 1) Role of inter-university cooperation with resource-poor countries: training and research 2) Migration medicine 3) The changing face of cooperation in the era of massive migration	Master in Global Health, organized by the University of Milan	Pre-recorded online webinars, April 2021
Francesco CASTELLI	Migranti e malattie infettive	Master in Immigrazione, genere, modelli familiari e strategie di integrazione, organized by the University of Pavia	Online webinar, 17 April 2021
Francesco CASTELLI	Clinical Management of COVID-19	Round table: COVID-19 across international borders, Conference of the International Society of Travel Medicine	Online webinar, 25 May 2021
Francesco CASTELLI	Sustainability and transdisciplinarity	III World Congress of Transdisciplinarity, co-organized by the Italian Network of UNESCO Chairs	Online webinar, 26 May 2021
Francesco CASTELLI	Formazione e rinforzo delle risorse umane per lo sviluppo sanitario nei Paesi a risorse limitate	UNESCO Chair presentation, organized by AIGU (Associazione Italiana Giovani per l'UNESCO)	Online webinar, 29 May 2021
Francesco CASTELLI	Global crisis, pandemic and climate	Crisi globali fra pandemia e clima: risposte dall'Ecologia integrale, organized by UNESCO Chair in Engineering for Human and Sustainable Development, University of Trento and the Alta Scuola di Formazione VIS	Online webinar, 21 June 2021
Francesco CASTELLI	Malaria and gender: impact of COVID-19 on activities in Mozambique	Conference of the Italian Consortium for the research on Malaria	Online webinar, 15 July 2021

Francesco CASTELLI	Early-treatment, processo e monitoraggio del paziente eleggibile	National webinar “il percorso del paziente COVID-19: dalle cure domiciliari tradizionali al linkage to care con i centri specialistici”, organized by the Italian Society of Family Medicine	Online webinar, 15 July 2021
Francesco CASTELLI	Malaria	Master on Infectious Diseases in Pediatrics, organized by the University of Firenze	Online webinar, 27 September 2021
Francesco CASTELLI	HIV/AIDS e COVID-19: una sfida globale	Regional Conference PERFORM, organized by the regional chapter of the Italian Society of Infectious and Tropical Diseases	Milan, 12 October 2021
Francesco CASTELLI	Prendersi cura di noi e della casa comune	National Launch of the Project “Rigenerazione Scuola”, co-organized by the Italian Ministry of Education and the Italian UNESCO Commission – Associated School Network	Online webinar, 4 November 2021
Francesco CASTELLI	Il Mondo che verrà: verso una salute globale per combattere le pandemie del futuro	Conference “Pomeriggi della Medicina”, organized by the Provincial College of Physicians	Brescia, 23 November 2021
Francesco CASTELLI	Malaria: epidemiologia e diagnosi	XX National Conference of the Italian Society of Infectious and Tropical Diseases	Milan, 28 November 2021
Francesco CASTELLI	COVID-19: il ritorno di antichi flagelli tra sofferenza, paura, scienza e infodemia	Opening Lecture at the inaugural session of the Academic Year, Ateneo di Brescia	Brescia, 17 November 2021
Francesco CASTELLI	Global Health	Training Course on Tropical Medicine, organized by Medicus Mundi	Brescia, 8 December 2021
Francesco CASTELLI	Lo status migratorio come determinante di salute durante la pandemia COVID-19	Training afternoon in infectious diseases, organized by the Infectious Diseases Committee, Ticino, Dwtitzerland	Online webinar, 9 December 2021
Francesco CASTELLI	Appropriate technologies to protect human health	XVIII International conference on appropriate technologies for sustainable development: a focus on low-income countries	17 December, 2021

Key conference - 2020

Lecturer	Title (in the language the lecture has been delivered)	Congress/conference	Venue, date
Francesco CASTELLI	La lotta continua tra uomo e malattie infettive: il ruolo fondamentale delle vaccinazioni	Educational even at Secondary School "Antonietti"	Iseo, 6 February 2020
Francesco CASTELLI	Covid-19: preparedness and challenges. The lesson learned from the Lombardy Region	Webinar, International Society of Ultrasound in Obstetrics & Gynecology (ISUOG)	Brescia, 17 March 2020 (online)
Francesco CASTELLI	Covid-19: preparedness and challenges. The lesson learned from Italy	Webinar of the Royal College of Physicians, Edinburgh	Edinburgh, 20 March 2020 (online)
Francesco CASTELLI	COVID-19 - Focus on Europe, The New Epicenter The experience from Italy	Webinar of the International Society of Travel Medicine (ISTM)	Brescia, 5 April 2020 (online)
Francesco CASTELLI	CORONAVIRUS – COVID-19	Educational event for teachers of Primary Schools	Bergamo, 18 September 2020 (online)
Francesco CASTELLI	Malaria e vaccini	Celebrations of the 50th anniversary of malaria eradication in Italy	Camerino, 17 November 2020 (online)
Francesco CASTELLI	Global health	Summer School on International Cooperation and Development	Brescia, 24 November 2020 (online)
Francesco CASTELLI	Severe malaria	National Congress of the Italian Society of Infectious and Tropical Diseases	Bologna, 6 December 2020 (online)
Francesco CASTELLI	Clinical management of patients with COVID-19	Fourth Conference of the Italian Society of Virology	Brescia, 11 December 2020 (online)
Francesco CASTELLI	Cure, vaccini, tra speranza e realtà	Pomeriggi della Medicina	Brescia, 22 December 2020 (online)

Key conference - 2019

Lecturer	Title (in the language the lecture has been delivered)	Congress/conference	Venue, date
Francesco CASTELLI	L'agenda 2030 dell'ONU per lo sviluppo dei popoli	Ripensare l'educazione (organized by the UNESCO Chair on Education for Human Development and Solidarity among Peoples, Università Cattolica del Sacro Cuore	Brescia, Italy, 18/01/2019
Francesco CASTELLI	Infezione da HIV e trasfusione. Nuovi scenari	Workshop of the Italian Society of Transfusion Medicine	Neaples, Italy 05/02/2019
Francesco CASTELLI	Assicurare la salute e il benessere per tutti e per tutte le età	La sostenibilità per una crescita responsabile Presentazione Rapporto Lombardia 2018	Milan, Italy 06/02/2109
Francesco CASTELLI, Virginia QUARESIMA	Presentation of the UNESCO Chair "Training and empowering human resources for health development in resource-limited countries", University of Brescia	Meeting of the Italian UNESCO Chairs, organized by the Venice UNESCO Bureau	Venice, UNESCO Bureau 14/02/2019
Francesco CASTELLI	I vaccini, una grande conquista della umanità. Tra efficacia, leggi, contestazioni ed... il baobab	Univax Day, organized by the Italian Society of Clinical Immunology and Allergology	Brescia, Italy 16/02/2019
Francesco CASTELLI	Migration health issues.	2nd South-East European conference on travel, tropical, migration medicine & HIV	Dubrovnik, Croatia 06/05/2019
Francesco CASTELLI	Terapia e approvvigionamento dei farmaci	Conference World Malaria Day, organized by the University of Pisa	Pisa, Italy 07/05/2019
Francesco CASTELLI	Cooperazione internazionale: miti e limiti	Per un'uguaglianza nei diritti senza frontiere	Brescia, Italy 16/05/2019
Francesco CASTELLI	Le pandemie virali all'interfaccia uomo animale (influenza aviaria, SARS, etc.)	Malattie Infettive Trasmissibili tra Animale e uomo (Fondazione Iniziative Zooprofilattiche)	Brescia, Italy 27/05/2019
Francesco CASTELLI	Il punto sulla epidemia di Legionellosi nel bresciano nell'estate 2018	Giornate Infettivologiche dell'Ospedale Sacco	Milan, Italy 29/05/2019

Francesco CASTELLI	Overview of migration patterns and their health issues	CISTM-16 Migrant Pre-Conference Introduction to Migration Health: Knowledge for Travel Medicine Providers	Washington USA 05/06/2019
Francesco CASTELLI	Sustainable Development Goals and university education	2019 EUA-CDE ANNUAL MEETING	Brescia, Italy 13/06/2019
Francesco CASTELLI	Aggiornamento sulla gestione clinica e terapeutica della malaria grave in paese non endemici	Interim Meeting of the International Study on the treatment of severe malaria	Rome, Italy 10/06/2019
Francesco CASTELLI	Le sfide della salute nell'epoca della globalizzazione	Salute in Comune	Brescia, Italy 13/06/2019
Francesco CASTELLI	I nuovi flussi migratori ed il rischio infettivo	XXII Corso avanzato. Patogenesi, diagnosi e terapia della infezione da HBV, HCV, HIV	Pavia, Italy 25/06/2019
Virginia QUARESIMA	Is <i>Plasmodium falciparum</i> malaria affected by gender?	IX International Summer School , University of Brescia	Brescia, Italy 28/06/2019
Francesco CASTELLI	Migration Medicine	Workshop "Dialogue Days 2019 - Global Health Challenges: What's Next?" University of Zurich (Switzerland)	Zurich, Switzerland 09/09/2019
Francesco CASTELLI	Opening Lecture - Cambiamenti climatici e infezioni Impatto sul fragile equilibrio tra microrganismi, ambiente, vettori ed uomo	Yearly Assembly of the College of Physicians of Pavia	Pavia, Italy 16/09/2019
Francesco CASTELLI	Dalla eradicazione della poliomielite alle malattie infettive già conosciute ed emergenti	World Polio Day	Bagnolo Mella (Brescia) 24/10/2019
Francesco CASTELLI	Il Progetto StAR (Students at Risk)	UNCHR project presentation "Università inclusiva"	Roma, Italy 30/10/2019
Francesco CASTELLI	The UN Sustainable Development agenda and Universities	ASEA Network Annual Meeting	Brescia, Italy 11/11/2019
Francesco CASTELLI	La fragilità e la vulnerabilità in sanità	Prendersi cura della fragilità in Malattie infettive:SSR a confronto	Milan, Italy 15/11/2019
Francesco CASTELLI	Le nuove sfide in Pronto Soccorso: Le nuove (o	Congresso Nazionale AcEMC	Brescia, Italy 21/11/2019

Francesco CASTELLI, Virginia QUARESIMA	vecchie) infezioni Are malaria risk factors based on gender? A mixed- methods survey in a malaria holo-endemic country in Western Africa	XVIII National Conference of the Italian Society of Infectious and Tropical Diseases	Palermo, Italy 25/11/2019
Francesco CASTELLI	Migrazioni, viaggi internazionali e nuovi scenari geopolitici ed ambientali	Conference of the Italian Society of Tropical Medicine and Global Health (SIMET)	Florence, 28/11/2019
Francesco CASTELLI	Malattie da vettori: quali prospettive di immunizzazione?	National Course on vaccinology, University of Ferrara	Ferrara, Italy 13/12/2019
Francesco CASTELLI	Ambiente, clima e malattie infettive	XVI Convegno CETAMB “Sostenibilità dei progetti ambientali di cooperazione allo sviluppo”	Brescia, Italy 18/12/2019
Francesco CASTELLI	Il diritto alla salute dei minori	Giornata Mondiale Diritti dei Bambini	Brescia, Italy 23/11/2019

Key conference - 2018

Lecturer	Title (in the language the lecture has been delivered)	Congress/conference	Venue, date
Francesco CASTELLI	Salute e povertà in Africa	Conference of the University College "Santa Caterina"	University of Pavia, January 15th, 2018
Francesco CASTELLI	In attesa dei vaccini in fila sotto il baobab	UniVax Day, organized by the Italian Society of Clinical Immunology and Allergology (SIICA)	University of Brescia, February 11 th , 2018
Francesco CASTELLI	Medici (personale sanitario) in campo. L'incontro con l'altro	Meeting promoted by the students' Association "Inoltre"	University of Brescia, March 7th, 2018
Francesco CASTELLI	HIV/AIDS: il panorama internazionale della epidemia	Lecture at the Interuniversity Master in Tropical Medicine and Global Health	University of Florence, March 13 th , 2018
Francesco CASTELLI	I determinanti del fenomeno migratorio	Meeting organized by the Unione Giornalisti Italiani Scientifici (UGIS)	Brescia, April 16th, 2018
Francesco CASTELLI	I determinanti delle migrazioni le migrazioni come determinante di salute	Opening Lecture of the National Congress of the Italian Society of Migration Medicine (SIMM)	Catania, April 18th, 2018
Francesco CASTELLI	How to design refugee and migrant healthcare services upon and after arrival?	28 th Congress of the European Society of Clinical Microbiology and Infectious Diseases (ECCMID)	Madrid, April 21st-24th, 2018
Francesco CASTELLI	L'infezione da HIV a 30 anni dalla prima diagnosi: dalle categorie a rischio ai comportamenti a rischio	Congress "Le Malattie Trasmesse Sessualmente: non solo HIV", organized by the Local Health Authority of Brescia	Brescia, May 30th, 2018
Francesco CASTELLI	Sviluppo sostenibile e cooperazione. Il ruolo del partenariato universitario e la sfida dello sviluppo sanitario	Festival dello Sviluppo Sostenibile	University of Pavia, May 31st, 2018
Francesco CASTELLI	Malaria di importazione: manifestazioni cliniche e terapia	Conference "SORVEGLIANZA DELLA MALARIA IN ITALIA: CRITICITA' E PROSPETTIVE"	Roma, National Institute of Health, June 6–7th, 2018

Francesco CASTELLI	Malaria Eradication. Successes and Challenges	XXX National Congress of the Italian Society of Parasitology (SOIPA)	University of Milan, June 26-28 th , 2018
Francesco CASTELLI	La malaria grave: una emergenza medica	XXI Advanced Course: "Patogenesi, diagnosi e terapia della infezione-malattia da HBV, HCV, HIV"	Pavia, June 27-28 th , 2018
Francesco CASTELLI	Access to health and how to do it inclusively	International Conference on Migration Health, organized by the International Society of Travel Medicine (ISTM)	Hotel Ergife, Rome, October 1-3, 2018
Francesco CASTELLI	Prendersi cura delle povertà	Conference "Le povertà, lo sviluppo sostenibile, le tecnologie. Formazione, giovani, adattamento climatico", organized by the Catholic University of the Sacred Heart	Catholic University of the Sacred Heart, Brescia, October 10-11 th , 2018
Francesco CASTELLI	Migrazioni e accoglienza. Dei diritti e delle responsabilità Quale cooperazione all'epoca delle grandi migrazioni?	Conference "A SUD DEL MEDITERRANEO L'accoglienza oltre i confini del mare "	University of Genoa, October 16 th , 2018
Francesco CASTELLI	Health impact assessment and mitigation multidisciplinary approach. The role of Universities	ASPEN Conference: Climate change = economic change	Milan, October 26 th , 2018
Francesco CASTELLI	Infezione da HIV e trasfusione. Nuovi scenari	Courses of the Italian Society of Transfusional Medicine (SIMT)	Milan, November 6 th , 2018 Rome, December 4 th , 2018
Francesco CASTELLI	National immunization program in rural area of Mozambique. Evaluation of immunization coverage rates in child population accessed to a health service	Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the University of Florence	University of Florence, November 16 th , 2018
Agnese COMELLI	Retention in care of newly diagnosed HIV patients.	Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the	University of Florence, November 16 th , 2018

	Similarities and differences among Italian health system and mobile-TARV strategy in Morrumbene, Mozambique	University of Florence	
Virginia QUARESIMA	Is Plasmodium falciparum malaria incidence and severity in holo-endemic areas influenced by gender?	Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the University of Florence	University of Florence, November 16 th , 2018
Valentina MARCHESE	Addressing tuberculosis in vulnerable populations in Europe: the EDETECT-TB project and its activities in Brescia	Interdisciplinary meeting of the Italian UNESCO Chairs, Group 1, organized by the University of Florence	University of Florence, November 16 th , 2018
Francesco CASTELLI	I nuovi flussi migratori ed il rischio infettivo	XVII National Congress of the Italian Society for Infectious and Tropical Diseases (SIMIT) – Opening Lecture	Turin, December 2-5, 2018
Francesco CASTELLI	Salute, sviluppo e globalizzazione	Training Course in “Tropical Medicine”, Medicus Mundi Italia	Brescia, Medicus Mundi Italia headquarters, November 5 th , 2018
Francesco CASTELLI	Malattie da vettori: quali prospettive di immunizzazione?	Course on Vaccinology, organized by the University of Ferrara	Ferrara, December 14 th , 2018
Francesco CASTELLI	Da Alma Ata al Sustainable Development Goal n. 3	15° Convegno “Obiettivi di Sviluppo Sostenibile in campo ambientale”	University of Brescia, December 18 th , 2018



Ai Dirigenti Scolastici, Scuole UNESCO delle Province di Bergamo, Brescia, Mantova e Cremona

Prof.ssa V. Migani (I.C. Albino, BG) - bgic818002@istruzione.it

Prof.ssa N. Vitali (I.C. Donadoni, BG) - bgic81300v@istruzione.it

Prof. L. Russo (I.S. Galli, BG) - bgis03800b@istruzione.it

Prof. I. Chiappa (I.S. Mamoli, BG) - bgis026005@istruzione.it

Prof.ssa V. Migani (I.I.S.S. Solari, BG) - bgic818002@istruzione.it

Prof.ssa M. Aliprand (Ist. Sacra Famiglia, BG) - segreteriabg@efpsacrafamiglia.it

Prof. L. Mastrorocco (Liceo Suardo, BG) - bgpm010002@pec.istruzione.it

Prof.ssa C. Ducoli (I.C. Passirano, BS) - postmaster@ic-passiranopaderno.it

Prof. N. Speciale (I.S. Meneghini, Edolo, BS) - bsis007008@istruzione.it

Prof. S. Retali (I.I.S. Beretta, Gardone Val Trompia, BS) - bsis00600c@istruzione.it

Prof. M. Tarolli (Liceo Calini, BS) - bsps01000d@istruzione.it

Prof.ssa D. Preti (Liceo Carli, BS) - segreteria@liceoguidocarli.eu

Prof. C. Venturelli (I.I.S.S. Racchetti da Vinci, CR) - cris013001@istruzione.it

Prof. A. Panini (I.C. Goito, MN) - _mnic805003@istruzione.it

p/c

Dirigenti Ufficio Scolastico Territoriale, Province di Bergamo, Brescia, Mantova e Cremona

Prof.ssa Patrizia Graziani - usp.bg@istruzione.it

Prof. Giuseppe Alfredo Bonelli - uso.bs@istruzione.it

Prof.ssa Novella Caterina - usp.mn@istruzione.it

Prof. Franco Gallo - usp.cr@istruzione.it

p/c

Prof. Franco Bernabé

Presidente Commissione Nazionale UNESCO, Roma - comm.unesco@esteri.it

Brescia, 9 ottobre 2018 settembre 2018

Pregiati Dirigenti,

presso la Università degli Studi di Bergamo, la Università degli Studi di Brescia e la Università Cattolica (sede di Brescia) sono rispettivamente attive le Cattedre UNESCO:



- *Diritti dell'uomo ed etica della Cooperazione internazionale* (Università di Bergamo)
- *Training and empowering human resources for health development in resource-limited Countries (Formare e rinforzare le risorse umane per lo sviluppo sanitario dei Paesi a risorse limitate* -Università di Brescia)
- *L'educazione per lo sviluppo integrale dell'uomo e per lo sviluppo solidale dei popoli* (Università Cattolica del Sacro Cuore – sede di Brescia)

Considerando la estesa presenza di Scuole secondarie operanti sul territorio di pertinenza delle Università di Brescia e di Bergamo che hanno ottenuto il riconoscimento di scuole associate UNESCO, le scriventi Cattedre UNESCO ritengono opportuno verificare la possibilità di stabilire progetti collaborativi nell'ottica di una sempre maggiore condivisione in rete delle esperienze educative.

In particolare, è nostra intenzione verificare la possibilità di intraprendere insieme un percorso conoscitivo ed educativo su due tematiche di estremo interesse culturale e sociale: (i) il **fenomeno migratorio**, (ii) gli **Obiettivi di Sviluppo Sostenibile** delle Nazioni Unite (Agenda 2030 e (iii) riflessione sul Documento UNESCO "Ripensare la educazione".

Informati anche i Dirigenti degli Uffici Scolastici Provinciali delle Province di Brescia, Bergamo, Mantova e Cremona, cui la presente è inviata in copia, siamo dunque a proporre un incontro con le SS.LL. ed i rispettivi referenti UNESCO e per la Formazione/aggiornamento di codesti Istituti in data 6 novembre alle ore 15.00 presso la aula S della ex-Facoltà di Medicina e Chirurgia della Università di Brescia in Via Europa 11 (raggiungibile anche mediante Metro – Stazione Viale Europa)

Per fini organizzativi, chiediamo una conferma di partecipazione da inviare alla attenzione del Prof. Francesco Castelli all'indirizzo mail francesco.castelli@unibs.it (tel. 030.3995664 / 3996628 / 338.8742619)

Con viva cordialità

Prof. Francesco Castelli (francesco.castelli@unibs.it)

Cattedra UNESCO Formare e rinforzare le risorse umane per lo sviluppo sanitario dei Paesi a risorse limitate

Anche a nome di:

Prof.ssa Stefania Gandolfi (stefania.gandolfi@unibg.it)

Cattedra UNESCO Diritti dell'uomo ed etica della Cooperazione internazionale, Università di Bergamo

Prof. Domenico Simeone (domenico.simeone@unicatt.it)

Cattedra UNESCO L'educazione per lo sviluppo integrale dell'uomo e per lo sviluppo solidale dei popoli, Università Cattolica del Sacro Cuore, sede di Brescia

THESIS - 2021		
Title	Supervisor	Candidate
Relazione tra fragilità ed esiti clinici in pazienti anziani affetti da COVID-19: risultati preliminari dello studio fracovid-19	Prof. F. Castelli	Vito Ciluffo (Medical Doctor)
Impatto della pandemia di COVID-19 sulla qualità della vita dei pazienti con infezione cronica da HIV: caratteristiche psicologiche, resilienza ed efficacia della telemedicina.	Prof. F. Castelli	Maria Chiara Vetrano (Medical Doctor)
Superinfezioni batteriche e fungine in pazienti COVID-19 positivi in terapia intensiva: confronto tra la prima e la seconda ondata del 2020.	Prof. F. Castelli	Serena Traversi (Medical Doctor)
Risultati di un programma di screening per la displasia anale in soggetti HIV-positivi omosessuali e bisessuali: uno studio retrospettivo di coorte	Prof. F. Castelli	Roberta Gerami (Medical Doctor)
STUDIO ESPLORATIVO SULL'ESITAZIONE AL VACCINO ANTINFLUENZALE IN UN GRUPPO DI PAZIENTI POSITIVI AD HIV	Prof. Quiros Roldan	Claudia Morganti (Medical Doctor)
Impatto dell'epidemia di COVID sulla epidemiologia e sulla presentazione clinica della tubercolosi nella provincia di Brescia.	Prof. A. Matteelli	Federica Bona (Medical Doctor)
Strongyloides stercoralis infection: an underlying cause of invasive bacterial infections of enteric origin in elderly Italians, migrants and international travelers. Results from a prospective cross-sectional study of a Northern Italian tertiary hospital, complemented by the results of a survey on traditional remedies for intestinal helminths.	Prof. Matteelli	Dott. Giulia Gardini (Resident in Infectious Diseases and Tropical Medicine)
L'impatto di Covid-19 sull'antibiotico-resistenza nell'Ospedale di Cremona	Prof. Matteelli	Dott. Giulia Zambolin (Resident in Infectious Diseases and Tropical Medicine)
THESIS - 2020		
Title	Supervisor	Candidate

Sospensione di Abacavir in pazienti con infezione da HIV per tossicità: relazione con HLA-B*57:01	Prof. Quiros Roldan	Alessandro Marchi (Medical Doctor)
Polmonite da SARS-COV-2: caratteristiche clinico-strumentali e correlazione con gli indicatori di outcome in pazienti trattati con Tocilizumab	Prof. F. Castelli	Stefania Arsuffi (Medical Doctor)
Studio dei telomeri in un gruppo di giovani adulti con infezione da HIV: correlazione con marcatori immunologici	Prof. Quiros Roldan	Federica Cavalleri (Medical Doctor)
Analisi dell'outcome viro-immunologico e clinico dell'inizio immediato vs ritardo della terapia antiretrovirale nel paziente con nuova diagnosi di HIV	Prof. F. Castelli	Giulio Faletti (Medical Doctor)
Evoluzione clinica ed immunologica di una coorte di pazienti affetti da HIV di tipo2: particolarità di un'infezione sottostimata	Prof. F. Castelli	Trocchia Riccardo Mario Renato (Medical Doctor)
Epidemia di polmoniti da Legionella Pneumophila nella provincia di Brescia nel periodo settembre-ottobre 2018: caratteristiche cliniche, approccio terapeutico e fattori legati all'outcome	Prof. Matteelli	Dott. Claudia Chirico (Resident in Infectious Diseases and Tropical Medicine)
Immunosenescence in hiv-infected young adults after durable efficient antiretroviral therapy	Prof. Matteelli	Dott. Martina Properzi (Resident in Infectious Diseases and Tropical Medicine)
Effetti di un integratore a base di pomodoro e acqua di vegetazione delle olive (Lygprozen) sui markers dell'ossidazione lipidica e dell'infiammazione in pazienti HIV+ con ipertrofia prostatica benigna	Prof. Matteelli	Dott. Canio Carriero (Resident in Infectious Diseases and Tropical Medicine)
Crioglobulinemia mista e sindrome crioglobulinemica HCV- correlate nell'era dei farmaci antivirali ad azione diretta: outcome clinico ed immunologico nei soggetti trattati periodo 2015-2019	Prof. Matteelli	Dott. Davide Coletto (Resident in Infectious Diseases and Tropical Medicine)
Infezioni da batteri MDR nei pazienti covid19 ricoverati in terapia intensiva	Prof. Matteelli	Dott. Gianluca Zuglian (Resident in Infectious Diseases and Tropical Medicine)
Analysis of clinical and epidemiological characteristics associated with serological	Prof. Matteelli	Dott. Agnese Comelli

response to SARS-CoV-2 in health care workers employed at ASST Spedali Civili during the outbreak

(Resident in Infectious Diseases and Tropical Medicine)

THESIS - 2019

Title	Supervisor	Candidate
Trasmissione verticale dell'HIV in un paese ad alta endemia e risorse limitate: studio osservazionale retrospettivo su una popolazione rurale in Mozambico.	Prof. Castelli	Letizia Previtali (Medical Doctor)
Terapia eradicante dell'epatite C con i nuovi farmaci antivirali ad azione diretta (DAA): analisi costo-beneficio e impatto sul sistema sanitario regionale.	Prof. Castelli	Luca Molinero (Medical Doctor)
Epidemia di legionellosi dell'autunno 2018: studio epidemiologico dei pazienti valutati presso l'ASST Spedali Civili di Brescia	Prof. Castelli	Alessandro Peri (Medical Doctor)
Studio osservazionale dell'andamento dei markers infiammatori in pazienti HIV positivi dopo l'inizio della terapia antiretrovirale.	Prof. Quiros Roldan / Prof. Castelli	Bergognini Samuele (Medical Doctor)
Cascade of care of HIV treatment and follow-up in a cohort of patients admitted in three different points of care in the province of Inhambane, Mozambique	Prof. Matteelli	Dott. Paola Magro (Resident in Infectious Diseases and Tropical Medicine)
Caratteristiche cliniche, viro-immunologiche e terapeutiche e fattori associati all'outcome clinico in giovani pazienti con trasmissione verticale dell'infezione da HIV	Prof. Matteelli	Dott. Anna Celotti (Resident in Infectious Diseases and Tropical Medicine)
Progetto S.C.I.M.M.I.A (saper come impostare al meglio il miglior antimicrobico): implementazione e valutazione dell'impatto di un programma di antimicrobial stewardship agli Spedali Civili di Brescia (triennio 2016-2018)	Prof. Matteelli	Dott. Erika Chiari (Resident in Infectious Diseases and Tropical Medicine)
Epidemia di Serratia marcescens in TIN: quale il ruolo dell'infettivologo	Prof. Matteelli	Dott. Barbara Sacconi (Resident in Infectious Diseases and Tropical Medicine)

Vademecum di terapia antibiotica: valutazione di appropriatezza sulla base degli isolamenti microbici dell'ASST Spedali Civili di Brescia nel periodo 2016-2019	Prof. Matteelli	Dott. Ester Pollastri (Resident in Infectious Diseases and Tropical Medicine)
THESIS - 2018		
Title	Supervisor	Candidate
Epidemiologia e risposta viro-immunologica alla terapia antiretrovirale di prima linea di una coorte di pazienti con infezione da HIV di sottotipo Non-B; esperienza delle malattie infettive degli ospedali Civili di Brescia	Prof. F. Castelli	Francesco Invernici (Medical Doctor)
Caratteristiche cliniche, viro-immunologiche e terapeutiche in pazienti con infezione da HIV a trasmissione verticale	Prof. F. Castelli	Davide Filippini (Medical Doctor)
Impatto dei nuovi farmaci ad azione antivirale diretta (DAAs) su qualità di vita e su performance neurocognitive nei pazienti con infezione cronica da HCV. Studio prospettico osservazionale,	Prof. F. Castelli	Sara Volpi (Medical Doctor)
La malaria di importazione nel paziente pediatrico: la casistica di Brescia.	Prof. F. Castelli	Agnese Fanetti Zamboni (Medical Doctor)
Differenze di genere nella gestione cronica dell'infezione da HIV.	Prof. F. Castelli	Andrea Piazzoli (Medical Doctor)
Monitoraggio epidemiologico e outcome clinico delle infezioni del torrente circolatorio: studio osservazionale prospettico.	Prof. F. Castelli	Chiara Bolcato (Medical Doctor)
Prevalenza delle patologie tiroidee nel paziente con infezione da HIV	Prof. M.Eugenia Quiros Roldan (co-supervisor: Prof. Francesco Castelli)	Tommaso Della Giustina (Medical Doctor)
Tasso di completamento del trattamento dell'infezione tubercolare latente nei richiedenti asilo e analisi delle cause di interruzione.	Prof. Alberto Matteelli (co-supervisor: Prof. Francesco Castelli)	Ester Lovato (Medical Doctor)

Diagnostic stewardship nel paziente critico: analisi retrospettiva di un modello di risk stratification e multi-level management	Prof. F. Castelli	Dott. Davide Mangioni (Resident in Infectious Diseases and Tropical Medicine)
Screening della malattia tubercolare e dell'infezione tubercolare latente nei richiedenti asilo a Brescia: accesso, aderenza e completamento del percorso diagnostico-terapeutico	Prof. F. Castelli	Dott. Paola Zanotti (Resident in Infectious Diseases and Tropical Medicine)