

# UNESCO CHAIR REPORT FORM



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

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TITLE OF THE  
CHAIR

***Training and empowering human resources for  
health development in resource-limited  
countries***

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HOST  
INSTITUTION

**University of Brescia, Italy**

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DATE OF  
ESTABLISHMENT  
OF CHAIR

**Signature of the agreement is dated March  
2014**

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PERIOD OF  
ACTIVITY  
UNDER REPORT

**January – December 2015**

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REPORT  
ESTABLISHED BY

**Prof. Francesco Castelli - Chairholder**

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## 1. EXECUTIVE SUMMARY

Major outcomes, results and impact of the Chair, including on national policies, in relation to its objectives as stated in article 2 of the chair agreement (between the institution and UNESCO) (not exceeding 300 word)

The year 2015 has been very intense for the UNESCO Chair "*Training and empowering human resources for health development in resource-limited countries*" at the University of Brescia. In particular the following activities have been carried out:

- Undergraduate training and awareness-raising activities for medical students and the civil society (including NGOs)
- The international postgraduate training in the field of international cooperation has continued, strengthening the existing programme at the University of Brescia. A scholarship programme for physicians from developing countries has been funded by the Chair
- Organization of the national Conference of the Italian University Network for Cooperation for Development (CUCS), attended by nearly 400 professors and students, with the participation of high-level UNESCO staff (Mr Eric Falt) and representatives of the Italian Ministries of University and Education and of Foreign Affairs and International Cooperation. A 2-hour session of the conference has been completely devoted to Italian UNESCO Chairs
- Co-Organization of the International Meeting *Education, Research, Scientific Networking and Trust Building within International Cooperation* " held at the European Union Pavillion of EXPO-Milan on the 31<sup>st</sup> July 2015, the participation of high-level UNESCO staff (Mr Maciej Nalecz)
- Many article were published and many lectures were presented by the Chairholder, mainly focusing on international cooperation, training and migration issues
- The Chair has promoted the signature of a bilateral agreement between the University of Brescia and the Universidade Pedagogica of Mozambique (School of Life Sciences), aiming at training and research collaboration

## 2. ACTIVITIES

Overview of activities undertaken by the chair during the reporting period

### a) Education/training/research

<b>I) EDUCATION (LEADING TO CERTIFICATE)</b>	<p>The University of Brescia organizes since 1996 the Graduate Course on “Tropical Medicine and International Health”, that is recognized as the Core Course of the European Master in International Health. A University certificate is issued at the end of the Course. Prof. Francesco Castelli, UNESCO Chairholder, also acts as the Coordinator of the Course.</p> <p>The UNESCO Chairs in Brescia has open a yearly call to offer one scholarship to medical doctors from low-income countries. During the 2015 edition of the Course (February-may 2015), the scholarship was attributed to a young Burundian physician, Dr Eraste NIYONGABO – Burundi</p>
<b>II) TRAINING (SHORT TERM)</b>	<p>According to the approved plan of operation, the UNESCO Chair has organized a 10-hour elective course on “Tropical medicine and global health”, addressed to undergraduate medical students and staff from the civil society (NGOs, etc.). The course took place in 5 distinct 2-hour lectures in the period April –June 2015. University credits (CFU: <i>crediti formative universitari</i>) are offered to students attending 100% of the Course</p>
<b>III) RESEARCH</b>	<p>The Brescia UNESCO Chair carries out research in the following fields:</p> <ul style="list-style-type: none"> <li>- Medical and social aspects of poverty-related diseases, including tuberculosis and HIV/AIDS</li> <li>- Medical and social aspects of migration medicine</li> <li>- International health</li> <li>- Capacity building</li> </ul> <p>See box 2.D.II for the list of scientific publications by the Chairholder Prof. Francesco Castelli</p>

b) Conferences/Meetings												
<b>I) KEY CONFERENCES AND WORKSHOPS HOSTED BY THE CHAIR</b>	<p>The University of Brescia and the UNESCO Chair “Training and empowering human resources for health development in resource-limited countries”, in collaboration with the Catholic University of the Sacred Heart have organized the <b>IV National Congress of the Italian University network for development cooperation (CUCS)</b>, Brescia, 10-12 September 2015</p> <p>The congress has gathered more than 350 professors and students from over 30 universities in Italy to discuss issues related to cooperation for development in the most various fields (from medicine to engineering, from anthropology to human rights, from economics to law, etc.)</p> <p>Mr Eric Falt, UNESCO Assistant Director General for External Relations and Public Information addressed the Keynote speech during the opening Ceremony</p> <p>During the Congress, a specific session dedicated to Italian UNESCO Chairs and their commitment for international development was held, with the participation of Mr Falt and of the following Italian UNESCO Chairs</p> <ul style="list-style-type: none"> <li>- Training and Empowering human resources for health development in resource-limited countries, University of Brescia</li> <li>- Energy for sustainable development, Politecnico di Milano</li> <li>- Engineering for human and sustainable development, university of Trento</li> <li>- Human rights and ethics of international cooperation, university of Bergamo</li> <li>- Bioethics and human rights, European university, Rome</li> <li>- Urban and Regional Planning for Sustainable Local Development, University of Ferrara</li> </ul>											
<b>OTHER CONFERENCES/ORGANIZATIONAL ACTIVITIES UNDERTAKEN BY THE CHAIRHOLDER</b>	<p>The Chair actively contributed to the organization of the International Meeting “<b>Education, Research, Scientific Networking and Trust Building within International Cooperation</b>” held at the European Union Pavillion of EXPO-Milan on the 31<sup>st</sup> July 2015 under the aegis of the Directorate Sustainable Growth and Development of the European Union, the Italian Ministry of University and Research and the EXPO Scientific Committee. Mr Maciej Nalecz, Director of the Division of Science Policy and Capacity-Building UNESCO – Headquarters and Mr Casimiro Vizzini, from the same Division, actively participated to the meeting, as well as a significant number of Italian UNESCO Chairholders</p> <p>The Chair actively participated in the international colloquium “<b>Souveraineté populaire et coopération. La réalisation d’un bien commun</b>” organized in Bergamo (1-2 April 2015) by the UNESCO chairs human rights and ethics of international cooperation, University of Bergamo and human rights and democracy, University of Fribourg (Germany)</p>											
<b>III) A SELECTION OF CONFERENCE PRESENTATIONS BY THE CHAIRHOLDER AND OTHER COLLEAGUES</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Lecturer</th> <th style="text-align: left; padding: 2px;">Title</th> <th style="text-align: left; padding: 2px;">Congress/conference</th> <th style="text-align: left; padding: 2px;">Venue, date</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">Francesco CASTELLI</td> <td style="padding: 2px;"><i>Lecture: Epidemiologia, clinica e terapia della Malattia da Virus Ebola (Epidemiology, clinical aspects and therapy of Ebola)</i></td> <td style="padding: 2px;">Annual meeting at the Ambrosianeum Foundation</td> <td style="padding: 2px;">Milan, 14<sup>th</sup> January 2015</td> </tr> </tbody> </table>	Lecturer	Title	Congress/conference	Venue, date	Francesco CASTELLI	<i>Lecture: Epidemiologia, clinica e terapia della Malattia da Virus Ebola (Epidemiology, clinical aspects and therapy of Ebola)</i>	Annual meeting at the Ambrosianeum Foundation	Milan, 14 <sup>th</sup> January 2015			
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Francesco CASTELLI	<i>Lecture: Epidemiologia, clinica e terapia della Malattia da Virus Ebola (Epidemiology, clinical aspects and therapy of Ebola)</i>	Annual meeting at the Ambrosianeum Foundation	Milan, 14 <sup>th</sup> January 2015									

Francesco CASTELLI	<i>Lecture: Le ineguaglianze sanitarie e le malattie della povertà (Health inequalities and poverty-related diseases)</i>	Master in Tropical Surger, University of Verona	Verona, 19th January 2015
Francesco CASTELLI	<i>Lecture: Infezione da virus emergenti ed Ebola. Tra mito e realtà (Emerging infections and Ebola virus. Between myth and reality)</i>	Lecture delivered at the Conference "Africa is not Ebola"	Brescia, 17 <sup>th</sup> January 2015
Francesco CASTELLI	<i>Lecture: Capitale umano e sviluppo dei popoli (Human resources and people development)</i>	Key-note speech delivered at the "Ateneo di Brescia" (Academy of Science, art and culture)	Brescia, 6 <sup>th</sup> February 2015
Francesco CASTELLI	<i>Lecture: Infections with a long incubation period in travelling children</i>	XV National Congress of the Italian Society of pediatric infectious diseases	Florence, 20 <sup>th</sup> march 2015
Francesco CASTELLI	<i>Lecture: Ineguaglianze sanitarie e diritto alla salute (Health inequalities and right to care)</i>	CIVICAS Course	Trento, 22nd April 2015
Francesco CASTELLI	<i>Lecture: Alimentazione e salute nel mondo. Tendenze e criticità (Food and health in the world. Trends and critical issues)</i>	Seminar lecture delivered at the L. Lucchini College, Brescia, 23 <sup>rd</sup> April 2015	Brescia, 23 <sup>rd</sup> April 2015
Francesco CASTELLI	<i>Lecture: Screening in migrants</i>	XXV Congress of the European Society of Clinical Microbiology and Infectious Diseases (ECCMID)	Copenhagen 25 <sup>th</sup> April 2015
Francesco CASTELLI	<i>Lecture: Prospettive di vaccinazione anti-malarica (Trands in anti-malarial vaccination)</i>	XVIII Corso avanzato Patogenesi , Diagnosi , Terapia dell'infezione-malattia da HBV, HCV, HIV	Pavia, 13th May 2015
Francesco CASTELLI	<i>Lecture: Il futuro del malaria (The future of malaria)</i>	National Congress on Travel and Migration Medicine	Turin, 15 may 2015
Francesco CASTELLI	<i>Lecture: Le infezioni virali endemo-epidemiche: scenari e paure (Viral epidemic diseases: future scenarios)</i>		Mantova, 16th May 2015
Francesco CASTELLI	<i>Lecture: What is the intersection between Migrants' Health and Travel Medicine?</i>	XIV Conference of the International Society of Travel Medicine	Quebec City (Canada), 26 <sup>th</sup> May 2015
Francesco CASTELLI	<i>Lecture: Malnutrition and health in Africa (focus on Burkina Faso and Mozambique)</i>	University of Brescia Day at EXPO 2015	Milan, 4 <sup>th</sup> june 2015

Francesco CASTELLI	<i>Lecture: Brescia and Burkina Faso: together against AIDS</i>	Meeting organized by the National Institute of Health (EDCTP2)	Rome, 13 <sup>th</sup> July 2015
Francesco CASTELLI	<i>Lecture: From Alma Ata to MDGs to SDGs: Cronicle of a fight against diseases and inequalities in health</i>	Master in Tropical Disease, University of Parma	Parma, 26 <sup>th</sup> August 2015
Francesco CASTELLI	<i>Lecture: The UNESCO Chair "Training and empowering human resources for health development in resource-limited Countries</i>	Lecture delivered at the IV National Congress of the Italian University Network for Development Cooperation CUCS)	Brescia, 10 <sup>th</sup> September 2015
Francesco CASTELLI	<i>Lecture: Aggiornamenti in tema di malaria e profilassi antimalarica (Update on malaria therapy &amp; chemoprophylaxis)</i>	National Congress of the Italian Society of Travel and Migration Medicine	Milan, 18 <sup>th</sup> September 2015
Francesco CASTELLI	<i>Lecture: Le vecchie e nuove emergenze infettivologiche (Old and new emerging infectious diseases)</i>	Meeting organised by the Rasory Pavillon, Parma General Hospital	Parma, 2 <sup>nd</sup> October 2015
Francesco CASTELLI	<i>Lecture: Water and Health</i>	International Conference "Freshwater and Culture" organised by the UNESCO Chair on Water Resources Management and Culture, Perugia (Italy)	Milan, 7 <sup>th</sup> October 2015
Francesco CASTELLI	<i>Lecture: Università e agenda 2030 dell'ONU per lo sviluppo dei popoli. Il contributo dell'Università di Brescia (Universities and the 2030 UN agenda for peoples development. The contribution by the University of Brescia)</i>	Lecture delivered at the Soroptimist annual meeting,	26 <sup>th</sup> October 2015
Francesco Castelli	<i>Keynote lecture: Dalle Ande agli Appennini (Froms Andes to Appennins)</i>	Meeting of the Italian Association of Blood Donors: "Oltre confine. La donazione consapevole. Centro e Sud America".	Milan, 6 <sup>th</sup> November 2015
Francesco CASTELLI	<i>Lecture: Vaccini nei PVS (Vaccination in developing countries)</i>	XV National Congress of the Italian Society of Infectious and Tropical Diseases	Catania, 8 <sup>th</sup> November 2015

	Francesco CASTELLI	<i>Lecture: AIDS: storia di una epidemia (AIDS: the history of an epidemic)</i>	Lecture delivered at the occasion of the Students' conference to commemorate the World AIDS Day	Brescia, 1 <sup>st</sup> December 2015
	Francesco CASTELLI	<i>Lecture: Emergenza e sviluppo in sanità (Emergency and development in the health sector)</i>	Lecture delivered at the 12th International Congress "Emergenza e sviluppo. La tutela dell'ambiente nella cooperazione internazionale (Emergency and development.- Defending the environment in international cooperation activities"	Brescia, 18 dicembre 2015

### c) Interuniversity exchanges/partnerships

(Principals exchanges/partnerships between the chair and other institutions, including UNESCO chairs/UNITWIN networks)

During 2015, many exchanges have been held with other UNESCO Chairs, UNESCO Headquarters and International Institutions:

- The Brescia UNESCO Chair co-organized the International Meeting *Education, Research, Scientific Networking and Trust Building within International Cooperation* " held at the European Union Pavillion of EXPO-Milan on the 31<sup>st</sup> July 2015. Mr Maciej Nalecz, Director of the Division of Science Policy and Capacity-Building UNESCO – Headquarters, from the same Division, actively participated to the meeting, as well as a significant number of Italian UNESCO Chairholders
- A specific 2-hour session of the IV National Congress of the Italian University network for development cooperation, Brescia, 10-12 September 2015 has been devoted to the presentation of the international activities of the Italian UNESCO Chairs in the field of cooperation for development. Six UNESCO Chairs were present. Mr Eric Falt, UNESCO Assistant Director General for External Relations and Public Information actively participated to the discussion that followed each presentation
- The Chair actively participated in the international colloquium "*Souveraineté populaire et coopération. La réalisation d'un bien commun*" organized in Bergamo (1-2 April 2015) by the UNESCO Chair Human Rights and Ethics of International Cooperation, University of Bergamo and the UNESCO Chair Human Rights and Democracy, University of Fribourg (Germany)
- The Brescia UNESCO Chair actively interacted 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. Prof. Francesco Castelli, UNESCO Chairholder, also acted as the WHO CC Director until November 2015
- In 2015, the Chair continued its active role in the TropEd European network by offering the Core Course of the European Master in International Health. On the same line, the Chair collaborates with the Univesrity of Florence by co-organizing the Italian Master of Tropical Medicine and Global Health.
- The Brescia UNESCO Chair also had contacts with the UNESCO Chair "Santé Sexuelle et Droits Humains" of the University Paris Diderot, exploring the possibility to establish a UniTwin network in the near future

d) Publications/Multimedia Materials				
(Major publications and teaching/learning materials)				
Please tick relevant fields of output and indicate volume of output		[TICK]	[No]	
	BOOKS	<input type="checkbox"/>		
	BOOKS (EDITED)	<input type="checkbox"/>		
	BOOKS (CHAPTERS)	X	4	
	MONOGRAPHS	<input type="checkbox"/>		
	RESEARCH REPORTS	<input type="checkbox"/>		
	JOURNAL ARTICLES (REFEREED)	X	19	
	CONFERENCE PROCEEDINGS (INT.L)	X	15	
	OCCASIONAL PAPERS	<input type="checkbox"/>		
	TEACHING/LEARNING MATERIAL	<input type="checkbox"/>		
	MULTIMEDIA MATERIALS (CD-ROM)	<input type="checkbox"/>		
	MULTIMEDIA MATERIALS (VIDEO)	<input type="checkbox"/>		
	MULTIMEDIA MATERIALS (OTHER)	<input type="checkbox"/>		
Give details of major publications and materials including full citations				
<b>I) THESES (2015)</b>	<u>Thesis for medical students</u>			
	Title	Tutor/supervisor	Students	
	Global Health Education for Medical Students: International elective requirements	Prof. F. Donato Prof. F. Castelli	Federica Balzarini	
	Epidemia da virus ebola in Africa Occidentale. Prevenzione del contagio, attività di sanificazione e gestione terapeutica in un contesto a risorse limitate	Prof. F. Castelli Dr C. Concoreggi	Andrea Antonelli	
	<u>Thesis for specializing physicians (Infectious Diseases/Tropical Medicine/Public Health)</u>			
	Title	Supervisor	Student	Specialty
	Sopravvivenza per epatocarcinoma in pazienti con infezione da HIV	Prof. F. Castelli	Dott.sa Silvia Amadasi	Infectious Diseases
	Caratterizzazione clinica, epidemiologica e risposta precoce alla terapia antiretrovirale delle infezioni primarie da HIV.	Prof. F. Castelli	Dott. Davide Motta	Infectious Diseases
		Prof. F. Castelli	Dott. Pier Francesco Giorgetti	Tropical Medicine
		Prof. F. Castelli	Paola Rodari	Tropical Medicine
L'antibiotico profilassi in chirurgia elettiva	Prof. F. Castelli	Dott.sa Anna Merla	Public Health	



	pediatrica.			
	Implementazione delle linee guida sulla salute materno-infantile a livello comunitario in due distretti del sud della Tanzania	Prof. F. Castelli	Dott.sa Anna Caruana	Public Health
	<u>Thesis for PhD students</u>			
	<u>Title</u>	<u>Suupervisor</u>	<u>Student</u>	
	Progetti collaborativi internazionali per la realizzazione di studi clinici e raccomandazioni per la gestione di pazienti con anticorpi antifosfolipidi	Prof. F. Castelli	Dr Laura Andreoli	
	Significato prognostico e interazioni con la funzione renale del peggioramento dello scompenso cardiaco in pazienti ricoverati per insufficienza cardiaca acuta	Prof. F. Castelli	Dr Erika Benlodi	
	Impatto delle attività preventive sulla prevalenza di parassitosi in una zona rurale dell'Ecuador	Prof. F. Castelli	Dr Chiara Poppi	
	Caratteristiche cliniche ed epidemiologiche della malaria da Plasmodium Vivax nei viaggiatori internazionali provenienti dal Pakistan: l'esperienza del geosentinel, the Global Surveillance Network.	Prof. F. Castelli	Dr Silvia Odolini	
	<u>Thesis for health visitors students</u>			
	<u>Title</u>	<u>Supervisor/tutor</u>	<u>Student</u>	
	I richiedenti asilo in Italia. Approccio metodologico in ambito sanitario in un servizio di "microaccoglienza" di Brescia.	Prof. F. Castelli AS Rita Tacciani	Debora Pelleri	
	Indagine conoscitiva sulle dinamiche di trasmissione del virus HIV in una popolazione afferente ad un centro territoriale per le infezioni sessualmente trasmesse	Prof. F. Castelli Dr Issa El Hamad	Cristina Ierace	
<b>II)</b>	<b>PUBLICATIONS</b> (all the 2015 publications of the Brescia UNESCO Chairholder are listed in the box, many of whom many not have the UNESCO	<b>Books' chapters</b>		
		<ol style="list-style-type: none"> <li>1. Bettinzoli M., Caligaris S., <b>Castelli F.</b>, Sulis G. Diritti umani e salute. In <i>Diritti dell'uomo e sviluppo dei popoli</i>, Edizioni Studium, Brescia, 2015; pagg: 38-41</li> <li>2. <b>Castelli F.</b>, El Hamad I. Migranti e Malattie Infettive. In <i>Libro Bianco delle Malattie Infettive</i>, SIMIT, 2015; pag: 41-46</li> <li>3. Galli M., Bruno S., <b>Castelli F.</b>, Ippolito G., Magnani G., Matteelli A., Rezza G. Le Infezioni emergenti. In <i>Libro Bianco delle Malattie Infettive</i>, SIMIT, 2015; pagg: 65-130</li> <li>4. Castelli F., Giorgetti F., Pavli A. Southern Europe. In <i>eographical Medicine (E.</i></li> </ol>		

<p>Chair affiliation mentioned. Only peer-reviewed publications are listed)</p>	<p>Petersen, P. Schlagenhaut), 2nd edition, in press</p> <p><b>Peer-reviewed journal articles by the Chairholder</b></p> <ol style="list-style-type: none"> <li>1. MOYENGA I., ROGGI A., SULIS G, DIANDÉ S., TAMBOURA D., TAGLIANI E., CASTELLI F., MATTEELLI A. <b>Impact of Xpert MTB/RIF depends on service coordination: experience in Burkina Faso.</b> <i>Int. J. Tuberculosis and Lung Diseases</i>, 2015 Mar;19(3):285-7</li> <li>2. De Francesco MA, Gargiulo F, Spinetti A, Zaltron S, Giagulli C, Caccuri F, <b>Castelli F</b>, Caruso A. <b>Clinical course of chronic hepatitis B patients receiving nucleos(t)ide analogues after virological breakthrough during monotherapy with lamivudine.</b> <i>New Microbiol.</i> 2015 Jan;38(1):29-37 Epub 2015 Jan 1</li> <li>3. Andreoli A., Pietra V., Giorgetti P.F., Melzani A., Seni W., <b>Castelli F.</b>, Simpre J. <b>Evaluation of the Rapid Diagnostic Test Malaria Quick Test versus microscopy method, among HIV positive and unknown serology patients in Ouagadougou, Burkina Faso.</b> <i>American Journal of Tropical Medicine and Hygiene</i>, 2015; 92 (4): 834-7</li> <li>4. Lapadula G, Costarelli S, Chatenoud L, <b>Castelli F</b>, Astuti N, Di Giambenedetto S, Quiros-Roldan E, Sighinolfi L, Ladisa N, Di Pietro M, Zoncada A, Nasta P, Di Filippo E, Gori A, Torti C for the Italian MASTER Cohort. <b>Risk of Liver Enzyme Elevation during Treatment with Ritonavir-boosted Protease Inhibitors among HIV-monoinfected and HIV/HCV Coinfected Patients.</b> <i>JAIDS</i>, 2015 Feb 26. [Epub ahead of print]</li> <li>5. Rovida F, Sarasini A., Campanini G. Percivalle E., Gorini G., Mariani B., Pan A., Cuzzoli A., Possenti S., Costa P., <b>Castelli F.</b>, Bossini N., Grossi P.A., Castilletti C., Capobianchi M.R., Calzolari M., Lavazza A., Gramegna M., Baldanti F. <b>West Nile Virus out break in Lombardia region, Northern Italy, in summer 2013.</b> <i>Vector Borne Zoonotic Dis.</i> 2015 Apr;15(4):278-83. doi: 10.1089/vbz.2014.1711.</li> <li>6. Sulis G, Rodari P, Caligaris S, Tomasoni LR, <b>Castelli F</b>, Gulletta M. <b>A case of Rickettsia felis infection imported from Nepal.</b> <i>Journal of Travel Medicine, J Travel Med.</i> 2015 Apr 17. doi: 10.1111/jtm.12207. [Epub ahead of print]</li> <li>7. Ensoli F., Cafaro A., Casabianca A., Tripiciano A., Bellino S., Longo O., Francavilla V., Picconi O., Sgadari C., Moretti S., Pavone Cossut M.R., Arancio A., Orlandi C., Sernicola L., Maggiorella M.T., Paniccia G., Cristina Mussini C., Lazzarin A., Sighinolfi L., Palamara G., Gori A., Angarano G., Mazzotta F., Galli M., Mercurio V.S., <b>Castelli F.</b>, Di Perri G., Magnani M., Garaci E., Ensoli B. <b>HIV-1 Tat immunization restores immune homeostasis and attacks the HAART-resistant blood HIV DNA: results of a randomized phase II exploratory clinical trial.</b> <i>Retrovirology</i>, 2015 Apr 29;12(1):33.</li> <li>8. Raffetti E, Donato F, Castelnuovo F, Ladisa N, Paraninfo G, Di Filippo E, Segala D, Cologni G, Bandera A, Zacchi F, Digiambenedetto S, Di Pietro M, Castelli F Quiros-</li> </ol>
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	<p>Roldan <span style="float: right;">E</span></p> <p><b>The prognostic role of systemic inflammatory markers on HIV-infected patients with non-Hodgkin Lymphoma, a multicenter Cohort Study.</b> <i>J Transl Med.</i> 2015 Dec;13(1):446. doi: 10.1186/s12967-015-0446-8. Epub 2015 Mar 14</p> <p>9. Boggild AK, Esposito DH, Kozarsky PE, Ansdell V, Beeching N, Campion D, <b>Castelli F</b>, Chappuis F, Cramer J, Caumes E, Gkrania-Klotsas E, Grobusch M, Hagmann S, Hynes N, Lim PL, Lopez-Velez R, Malvy D, Mendelson M, Sotir M, Wu H, and Hamer D. for the GeoSentinel Surveillance Network. <b>Differential Diagnosis of Illness in Travelers Arriving From Sierra Leone, Liberia, or Guinea: A Cross-sectional Study From the GeoSentinel Surveillance Network.</b> <i>Annals of Internal Medicine</i>, 2015 May 12. doi: 10.7326/M15-0074. [Epub ahead of print]</p> <p>10. Lonroth K, Migliori GB, Abubakar I, D'Ambrosio L, de Vries G, Diel R, Douglas P, Falzon D, Gaudreau M-A, Goletti D, Ochoa ERG, LoBue P, Matteelli A, Njoo H, Solovic I, Story A, Tayeb T, van der Werf J, Weil D, Zellweger J-P, Aziz MA, Al Lawati MRM, Aliberti S, de Onate WA, Barreira D, Bhatia V, Blasi F, Bloom A, Bruchfeld J, <b>Castelli F</b>, Centis R, Chemtob D, Cirillo DM, Colorado A, Dadu A, Dahle UR, De Paoli L, Dias HM, Duarte R, Fattorini L, Gaga M, Getahun H, Glaziou P, Gogvadze L, del Granada M, Haas W, Jarvinen A, Kwon G-Y, Mosca D, Nahid P, Nishikiori N, Nuguer I, O'Donnell J, Pace-Asciak A, Pompa MG, Popescu GG, Cordeiro CR, Ronniung K, Ruhwald M, Sculier J-P, Simnovic A, Smith-Palmer A, Sotgiu G, Sulis G, Terres-Duque CA, Umeki K, Uplekar M, van weekenbeek C, Vasankari T, Vitillo RJ, Voniatis C, Wanlin M, Raviglione MC. <b>Towards tuberculosis elimination: an action framework for low-incidence countries.</b> <i>Eur Respir J</i>, 2015; 45: 928-52</p> <p>11. Raffetti E, Donato F, Pezzoli C, Digiambenedetto S, Bandera A, Di Pietro M, Di Filippo E, Maggiolo F, Sighinolfi L, Fornabaio C, Castelnuovo F, Ladisa N, <b>Castelli F</b>, Quiros Roldan E. <b>Systemic Inflammation-Based Biomarkers and Survival in HIV-Positive Subject With Solid Cancer in an Italian Multicenter Study.</b> <i>J Acquir Immune Defic Syndr.</i> 2015 Aug 15;69(5):585-92. doi: 10.1097/QAI.0000000000000682. PMID: 26167619</p> <p>12. Lapadula G., Chatenoud L., Gori A., Di Giambenedetto S., Fabbiani M., Maggiolo F., <b>Castelli F.</b>, Focà E., Ladisa N., Sighinolfi L., Di Pietro M., Pan A., Torti C. for the Italian MASTER Cohort. <b>Risk of Severe Non AIDS Events Is Increased among Patients Unable to Increase their CD4+ T-Cell Counts &gt;200+/<math>\mu</math>l Despite Effective HAART.</b> <i>PLoS One.</i> 2015 May 28;10(5):e0124741. doi: 10.1371/journal.pone.0124741. eCollection 2015.</p> <p>13. Motta D., Bonito A., Casari S., Brianese N., El Hamad I, Pezzoli M.C., Forleo M.A., Ferraresi A., Scalzini A., Quiros Roldan E, Torti C., <b>Castelli F.</b>, Focà E. <b>Effectiveness of routine lumbar puncture in patients with HIV-associated Dementia (HAD) receiving suppressive antiretroviral treatment.</b> <i>Infect Dis Trop Med</i> 2015; 5 (1): E41</p> <p>14. Baiocchi G., D'Ugo D., Coit D., Kassab P., Nashimoto A., Marreelli D., Allum W., Berruti A., Chandramohan M.S., Coburn N., Gonzales-Moreno S., Hardwick R.,</p>
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16. Torti C, Raffetti E, Donato F, **Castelli F**, Maggiolo F, Angarano G, Mazzotta F, Gori A, Sighinolfi L, Pan A, Cauda R, Scalzini A, Quiros-Roldan E, Nasta P, Gregis G, Benatti S, Digiambenedetto S, Ladisa N, Giralda M, Saracino A, Castelnuovo F, Di Pietro M, Lo Caputo S, Lapadula G, Costarelli S, Lorenzotti S, Mazzini N, Parainfo G, Casari S, Focà E, Pezzoli C, Fabbiani M, Monno L, Pierotti P, Ble C, Leone S, Postorino M, Fornabaio C, Zacchi F, Zoncada A, Carosi G. **Cohort Profile: Standardized Management of Antiretroviral Therapy Cohort (MASTER Cohort).** *Int J Epidemiol*. 2015 Oct 7. pii: dyv192. [Epub ahead of print]

17. Raffetti E, Donato F, **Castelli F**, Maggiolo F, Carosi G, Quiros-Roldan E. **The predictive role of NLR and PLR for solid non-AIDS defining cancer incidence in HIV-infected subjects: a MASTER cohort study.** *Infect Agent Cancer*. 2015 Oct 5;10:34. doi: 10.1186/s13027-015-0032-y. eCollection 2015. PMID: 26442127

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19. Seminari E, De Silvestri A, Ravasio V, Ludovisi S, Utili R, Petrosillo N, Castelli F, Bassetti M, Barbaro F, Grossi P, Barzaghi N, Rizzi M, Minoli L. **Infective endocarditis in patients with hepatic diseases.** *Eur J Clin Microbiol Infect Dis*. 2015 Dec 21. [Epub ahead of print]

#### **Conference Proceedings (International only) by the Chairholder**

1. Leone S.; Prospero M., Costarelli S., Castelli F., Maggiolo F., Di Giambenedetto S., Saracino A., Di Pietro M., Zacchi F., Gori A. **Incidence of Extrahepatic Complications in HIV/HCV Patients Who Achieved SVR.** Proceedings of CROI 2015, Seattle 23-26 february 2015, Abs n. 655, pag. 390

2. Re A., Casari S., Cattaneo C., Peli A., Dal Ceggio D., Castelli F., Scalzini A., Rossi G. **Treating HIV-related Lymphoma in severely immunocompromised patients in the cART era. A single Center experience.** European Haematology Congress, 6-8

	<p>march 2015, Lisbon, submitted</p> <ol style="list-style-type: none"> <li>3. Tomasoni LR, Ngassam P, Riccardi N, Giorgetti PF, Urbinati L, Apostoli A, Bigoni S, Rodari P, Sulis G, Gulletta M, Caligaris S, <b>Castelli F.</b> Follow-up of luetic infection in pregnancy and newborns. <b>A retrospective analysis of pregnant population referred to an infectious diseases out-patient department over 7 years period.</b> XXV ECCMID, Copenaghen, 25-28 april 2015, abs EV0392</li> <li>4. Seminari E, De Silvestri A, Ludovisi S, Utili R, Petrosillo N, <b>Castelli F,</b> Bassetti M, Barbaro F, Grossi P, Barzaghi N, Minoli L, Ravasio V. <b>Infectious endocarditis in patients with hepatic disease.</b> XXV ECCMID, Copenaghen, 25-28 april 2015, P0005</li> <li>5. Suardi LR, Signorini L, Gotti D, Chiari E, Van Hauwermeiren E, Moioli G, Motta D, Stellini R, Paraninfo G, <b>Castelli F.</b> <b>A new perspective on serum lactate and MEWS score in patients with severe sepsis or septic shock.</b> XXV ECCMID, Copenaghen, 25-28 april 2015, P0011</li> <li>6. Suardi LR, Signorini L, Gotti D, Van Hauwermeiren E, Chiari E., Moioli G, Motta D, Stellini R, Paraninfo G, <b>Castelli F.</b> <b>Recognition and management of severe sepsis and septic shock after hospital staff education on sepsis.</b> XXV ECCMID, Copenaghen, 25-28 april 2015, P0014</li> <li>7. Zanotti P., Tomasoni L.R., Caligaris S., Gulletta M., Matteelli A., Urbinati L., Rodari P., Giorgetti P.F., Apostoli A., Sulis G., <b>Castelli F.</b> <b>Imported malaria: epidemiological and clinical features of 394 cases observed in the last 6 years in Brescia, Northern Italy.</b> European Conference on Tropical Medicine and International Health, Basel (CH), 6-10 september 2015, Abs. 2.107</li> <li>8. Giorgetti P.F., Matteelli A., Gulletta M., Caligaris S., Tomasoni L.R., Urbinati L., Rodari P., Apostoli A., Sulis G., Zahalka F., <b>Castelli F.</b> <b>Access to health care facility and treatment outcome for tuberculosis in natives regular and irregular migrants in a clinic in northern Italy.</b> European Conference on Tropical Medicine and International Health, Basel (CH), 6-10 september 2015, Abs 2.106</li> <li>9. Raffetti E., Brianese N., Mangioni D., Ferraresi A., Casari S., Pezzoli M.C., Focà E., Bonito A., Castelnuovo F., Forleo M.A., Donato F., <b>Castelli F.,</b> Quiros-Roldan E. <b>Cardiovascular Events in HIV-positive Patients over the Last Decade. The Experience of Brescia from 2000 to 2012,</b> EACS 2015, Barcellona, 18-21 october 2015, Abstract PE12/16.</li> <li>10. Costarelli S., Bernasconi D., Lapadula G., <b>Castelli F.,</b> Casari S., Maggiolo F., Grisolia A., Saracino A., Baldin G.M., Di Pietro M., Segala D., Fornabaio C., Mazzini N., Gori A. Italian MASTER Cohort. <b>Persistent HIV Low-level Viremia and Cardiovascular Risk.</b> EACS 2015, Barcellona, 18-21 october 2015, Abstract PE12/10.</li> <li>11. De Luca A., Lorenzini P., Castagna A., Puoti M., Giannotti N., <b>Castelli F.,</b></li> </ol>
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	<p>Mastroianni C., Maggiolo F., Antinori A., Guaraldi G., Lichtner M., D'Arminio Monforte A., ICONA Foundation Study. <b>Active HCV replication is associated with incident and prevalent type 2 diabetes in persons living with HIV.</b> EACS 2015, Barcellona, 18-21 october 2015, abstract PE15/80</p> <p>12. Scognamiglio P., Shanyinde M., Gori A., Lichtner M., Di Biagio A., Lo Caputo S., <b>Castelli F.</b>, Cozzi-Lepri A., Antinori A., Puoti M., d'Arminio Monforte A., Girardi E., Icona Foundation Study. <b>Determinants and Impact of Late HCV Diagnosis among Persons with Newly Diagnosed HIV Infection.</b> EACS 2015, Barcellona, 18-21 october 2015, Abstract: PE13/19</p> <p>13. Lapadula G., Bernasconi D., <b>Castelli F.</b>, Maggiolo F., Cauda R., Sabbatini F., Di Pietro M., Soria A., Ladisa N., Costarelli S., Sighinolfi L., Del Zoppo S., Torti C., Valsecchi M.G., Gori A, Italian MASTER Cohort. <b>Risk of chronic kidney disease among patients developing mild renal impairment during tenofovir-containing antiretroviral treatment.</b> EACS 2015, Barcellona, 18-21 october 2015, Abstract: PS11/1</p> <p>14. Di Giambenedetto S., Fabbiani M., Quiros-Roldan E., Latini A., D'Ettorre G., Antinori A., Castagna A., Orofino G., Francisci D., Chinello P., Madeddu G., Grima P., Rusconi S., Del Pin B., Mondì A., Borghetti A., <b>Castelli F.</b>, Colafigli M., De Luca A., Cauda R., ATLAS Study Group. <b>Simplification to atazanavir/ritonavir + lamivudine versus maintaining atazanavir/ritonavir + 2 NRTI in virologically suppressed HIV-infected patients: 48-weeks data of the ATLAS-M trial.</b> EACS 2015, Barcellona, 18-21 october 2015, Abstract: BPD1/6</p> <p>15. Nasta P, Spinetti A, Urbinati L, Lanza P, Maggiolo F, Gagliardini R, Segala D., Blanc P, Ladisa N, Zacchi F, <b>Castelli F.</b> <b>Genotype 3 HCV infection, lower CD4 cell count and higher liver stiffness are related with bone mineral reduction in HIV/HCV co-infected patients (MASTER cohort).</b> Proceeding of the viral hepatitis congress, 10–12 September 2015, Kap Europa, Frankfur t, Germany, Abs P11</p>
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## e) Cooperation with UNESCO Headquarters, Field Offices

The Brescia UNESCO chair was in continuous contact with Mr. Casimiro Vizzini, focal point of the Chair at the Division of Science Policy and Capacity-Building, UNESCO Headquarters

The UNESCO Chair invited two high level officers from UNESCO Headquarters in Paris to actively attend high level meetings:

- Mr Macjei NALECZ attended the International Meeting “ *Education, Research, Scientific Networking and Trust Building within International Cooperation* “ held at the European Union Pavillion of EXPO-Milan on the 31<sup>st</sup> July 2015
- Mr Eric Falt, UNESCO Assistant Director General for External Relations and Public Information addressed the Keynote speech during the opening Ceremony of the IV National Congress of the Italian University Network for development cooperation (CUCS), Brescia, 10-12 September 2015

## f) Other

(any other activity to report)

The Chair organized a students' workshop on HIV/AIDS together with the Italian Medical Students' Association (SISM) on the 1<sup>st</sup> of December 2015 (World AIDS Day)

## 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 (not exceeding 300 word)

During the first 2 years of activity, the UNESCO Chair has pursued in particular training and advocacy objectives in Italy. These activities have contributed to a higher visibility of UNESCO in our area and the global challenges to reach the Millennium Development Goals. We intend to continue with these activities and in particular:

- to continue the undergraduate training in tropical medicine and global health;
- to continue the post-graduate training in tropical medicine and global health;
- to continue the scholarship program to allow young physicians from resource-poor countries to attend the core-course of the TropEd master in international health in Brescia;
- to organize the 48-hour course on International Cooperation, together with UNESCO Chair on "Human rights and ethics of international cooperation" (Bergamo), funded by the Tovini and Museke Foundation, Brescia
- to organize a complete set of monthly seminars over 24 months, addressed to University students, to deal with the newly launched Sustainable Development Goals

Furthermore, we would like to extend our training and scientific activities on a greater international scale by:

- by implementing the collaborative teaching activities at the School of Health Sciences of the Universidade Pedagogica of Mozambique, with which a didactic and scientific agreement has been signed in September 2015;
- by collaborating with other UNESCO chairs to build-up UNITWIN consortiums. In this respect, preliminary discussions have been undertaken with the Paris UNESCO Chair on "Sexual health and human rights" at Paris Diderot University to build a possible SPOC training course on "Training and empowering human resources for sexual health and human rights"

Finally, fund raising activities with public and private partners need to be reinforced

Appendix:

## 1) Human resources

The following staff of the University of Brescia have contributed to the UNESCO Chair achievements:

### 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 Gianni Gilioli, Assistant Professor of Vegetal Pathology and Entomology, University of Brescia
- dr Silvio Caligaris, head, unit for tropical diseases, Spedali Civili general hospital, Brescia
- dr Lina R. Tomasoni, unit for tropical diseases, Spedali Civili general hospital, Brescia
- dr Giorgia Sulis, resident in infectious disease, University of Brescia
- dr Liliana Praticò, PhD doctorate students in methodologies and appropriate techniques for international cooperation for development

### 2) at the School of Engineering

- prof. Carlo Collivignarelli, professor of health engineering, university of Brescia
- prof. Sabrina Sorlini, associate professor of health engineering, university of Brescia

The appointment of a formal Scientific Advisory Board of the Chair is under consideration for the next year



2) Financial resources			
Please tick sources of financial contribution and specify the amount in US dollars		[TICK]	[AMOUNT (\$)]
	HOST INSTITUTION	<input type="checkbox"/>	in kind
	PARTNER INSTITUTION	<input type="checkbox"/>	
	GOVERNMENT BODY	<input type="checkbox"/>	
	OTHER PUBLIC INSTITUTION/BODY (including research councils)	<input type="checkbox"/>	
	UNESCO	<input type="checkbox"/>	
	OTHER UN AGENCIES	<input type="checkbox"/>	
	IGO	<input type="checkbox"/>	
	NGO	<input type="checkbox"/>	
	INDUSTRY	<input type="checkbox"/>	
	OTHER PRIVATE	X	46.000 EUROS
Give details of financial contributions, material resources and space			
The Brescia UNESCO Chairs was donated the sum of 48.000,00 euros in 2013-2014, as follows:			
-	Private donation, 2014		40.000,00 euros
-	Private donation, 2014		6.000,00 euros
No donation was received in 2015			
<u>Expenses in 2014</u>			
-	Euro 1.292,36 (travel to Ouagadougou of Dr Fontana from 7 to 22 December 2014 in the context of the Ebola epidemic)		
At the end of 2014, the balance was 44.707,64 euros			
Expenses in 2015:			
-	Scholarship Dr Eraste Niyongabo (Burundi) to attend the Graduate Course in Tropical Medicine and International Health, Brescia: 5.399.42		
At the end of 2015, the balance was 39.308,24 euros			
A more active fund-raising activity is scheduled in 2016, on both the private and institutional sides			