

Finanziati
Bando Prin 2022

| | PI Unibs | Dip | TITOLO | RESPONSABILE UNDER 40 | Contributo MUR TOT | CONTRIBUTO MUR - UNIBS | Settore | Ruolo Unibs |
|----|------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------|---------------------------|---------|-----------------|
| 1 | SALVI Valentina | DMMT | The use of Pattern Recognition Receptor (PRR) agonists to develop novel combinatorial de-escalation strategy for the treatment of HPV-associated cancers | Under 40 | 211,480 | 114,680 | LS6 | capofila |
| 2 | CACCURI Francesca | DMMT | SARS-CoV-2-induced endothelial cell dysfunction: mechanisms and therapeutic approaches | Under 40 | 202,023 | 74,204 | LS6 | capofila |
| 3 | BADOLATO Raffaele | DSCS | STAT3-related inborn errors of immunity: unraveling disease mechanisms and potential targets | | 202,483 | 41,240 | LS6 | capofila |
| 4 | SARDINI Emilio | DII | New sensors and measurement techniques for underground monitoring and mapping | | 198,331 | 71,274 | PE7 | capofila |
| 5 | LOCATELLI Andrea | DII | Dielectric Optical acceleratorS for hEalth (DOSE) | | 200,001 | 40,001 | PE7 | capofila |
| 6 | VISIOLI Antonio | DIMI | ACTIVA - Automatic Control of Total IntraVenous Anesthesia | | 197,832 | 105,164 | PE7 | capofila |
| 7 | CAMPI Marco Claudio | DII | The Scenario Approach for Control and Non-Convex Design | | 199,680 | 98,560 | PE7 | capofila |
| 8 | VINCENTI Maria Antonietta | DII | all-optical ultrafast meta-modulatorS (PILLARS) | Under 40 | 199,613 | 65,048 | PE7 | capofila |
| 9 | MANGINI Fabio/subentro Michela Borghetti Unibs | DII | SAFE, Spiral And Focused Electromagnetic fields | Under 40 | 199,972 | 24,995 | PE7 | Unità Operativa |
| 10 | PARIS Ivan | DEM | Trademarking Made in Italy. Trademarks and industrialization in Italy (1860s-1960s) | | 199,563 | 41,983 | SH6 | capofila |
| 11 | LEA Ramona | DIMI | CHiral SYmmetry REStoration in heavy ion collisions - CHISYRE | Under 40 | 184,253 | 98,853 | PE2 | capofila |
| 12 | PLIZZARI Giovanni | DICATAM | NEW PERSPECTIVES FOR THE ASSESSMENT, CONTROL AND RETROFITTING OF DAMAGED REINFORCED CONCRETE BRIDGES | | 157,748 | 82,265 | PE8 | capofila |
| 13 | REBAY Stefano | DIMI | Machine-learned RANS modelling for transitional and turbulent flows based on High-Fidelity simulations and measurements (MILESTONE) | | 194,815 | 66,070 | PE8 | capofila |
| 14 | BERTANZA Giorgio | DICATAM | - 3D effect-based assessment of direct emissions for the eco-sustainability of wastewater management strategies (3D WWTP TOX) | | 197,410 | 161,651 | PE8 | capofila |
| 15 | Di Marcoberardino Gioele | DIMI | Accurate turbulence modeling for non-ideal compressible fluid dynamics based on high-fidelity simulations and measurements (NICTURB) | Under 40 | 197,500 | 98,750 | PE8 | Unità Operativa |
| 16 | GINESTRA Paola Serena | DIMI | - Micro-manufacturing technologies for structured organ-on-chip (MITO) | Under 40 | 193,176 | 50,080 | PE8 | capofila |

| | | | | | | | | |
|----|------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------|-----|-----------------|
| 17 | COCCA Paola | DIMI | - iSafety: Leveraging artificial intelligence techniques to improve occupational and process safety in the iron and steel industry | Under 40 | 197,281 | 104,828 | PE8 | capofila |
| 18 | SPERANZA Maria Grazia | DEM | Time-dependent optimization for sustainable transportation | | 149,521 | 84,521 | PE1 | capofila |
| 19 | COLOMBO Rinaldo Mario | DII | Modeling, Control and Games through Partial Differential Equations | | 187,484 | 46,867 | PE1 | capofila |
| 20 | PASSANANTE Luca | DIGI | Edu 4 Just | | 214,298 | 78,953 | SH2 | capofila |
| 21 | PIANTONI Silvia | DSCS | Deciphering the role of glycogenome in familial forms of Undifferentiated Connective Tissue Disease by combined genome and miRNome analysis | | 200,154 | 14,424 | LS6 | Unità Operativa |
| 22 | DEL PRETE Annalisa | DMMT | Role of innate lymphocytes in lung cancer immunosurveillance: effector properties, functional interactions with dendritic cells and therapeutic potential | | 201,837 | 65,000 | LS6 | Unità Operativa |
| 23 | BARONIO Fabio | DII | Extreme wave phenomena in quadratic optical crystals | | 199,981 | 88,417 | PE7 | Unità Operativa |
| 24 | CARLETTI Luca | DII | NOnlinear LiThium niobate MetaSurfaces for Integrated THz generation (NO LIMITHz) | | 175,200 | 62,800 | PE7 | Unità Operativa |
| 25 | COMINI Elisabetta | DII | Sarcopenia-on-chip: an integrated platform based on chemical sensors, microfluidic devices, and machine learning algorithms for the development and testing of personalized treatment for sarcopenia disease (SELENE) | | 180,648 | 72,149 | PE7 | Unità Operativa |
| 26 | FAGLIA Guido | DII | SENSEPLANET - Optical and olfactory SENSorial dEVICES to investigate PLAnt microbiE nTeraCTions in a model horticultural crop | | 187,901 | 65,825 | PE7 | Unità Operativa |
| 27 | GNUTTI Alessandro | DII | AI-powered LiDAR fusion for next-generation smartphone cameras (LICAM) | 4/12/1988 | 199,709 | 95,821 | PE7 | Unità Operativa |
| 28 | ROCCO Davide | DII | - Integrated THz platform for 6G applications (GRACE6G) | 24/11/1989 | 200,000 | 70,000 | PE7 | Unità Operativa |
| 29 | SIGNORONI Alberto | DSMC | QT-SEED Quality-of-life Technological and Societal Exploitation of ECG Diagnostics | | 195,667 | 63,701 | PE7 | Unità Operativa |
| 30 | FERRARI Marco | DII | - DIMIN- Digital twins of nonlinear Microstructures with iNnovative model-order reduction strategies | | 195,886 | 59,390 | PE8 | Unità Operativa |
| 31 | FERRETTI Ivan | DICATAM | Prescriptive digital twins for cognitive-enriched competency development of workforce of the future in smart factories (RESILIENCE) | 6/3/1978 | 197,233 | 47,716 | PE8 | Unità Operativa |
| 32 | IORA Paolo Giulio | DIMI | High-medium temperature closed power cycles for waste heat recovery and renewable sources | | 197,184 | 127,258 | PE8 | Unità Operativa |
| 33 | Adrodegari Federico | DIMI | Toward net-zero infrastructure: advancing the environmental and economic appraisal of power plants | 8/9/1989 | 193,000 | 93,017 | PE8 | Unità Operativa |
| 34 | Maria Grazia Pilotelli | DIMI | Sustainable Thermal and Acoustic self-made solutions for buildings refurbishment in disadvantaged social contexts by Reusing poor materials (STAR) | | 195,933 | 45,334 | PE8 | Unità Operativa |
| 35 | PICCHI Davide | DIMI | Predictive forecasting and risk assessment for CO2 transport in pipelines | 2/2/1988 | 197,168 | 96,806 | PE8 | Unità Operativa |
| 36 | RULA Anisa | DII | NEXTCART – Nutritional- and EXternalities- driven food shopping CART | 5/9/1984 | 195,094 | 72,792 | PE8 | Unità Operativa |

| | | | | | | | | |
|----|--------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------|------|-----------------|
| 37 | VALERIO Giulia | DICATAM | Spatially Resolved velocity and waves from SAR images in lakes (SARLAKES) | | 199,994 | 47,218 | PE10 | Unità Operativa |
| 38 | BORSANI Giuseppe | DMMT | Emerging role of digenic or pseudo-digenic inheritance models in Mendelian diseases: implication of hypomorphic variants in Noonan syndrome's pathogenetic mechanisms and in RAS pathway deregulation | | 202,201 | 54,370 | LS2 | Unità Operativa |
| 39 | BOSISIO Daniela | DMMT | Physical Activity and Healthy aging: fighting low grade chronic inflammation to put out the oncologic risk (PhActHealth) | | 221,901 | 63,231 | LS2 | Unità Operativa |
| 40 | CALZA Stefano | DMMT | Predictive models in biomedical research: innovative statistical methods for driving personalized medicine | | 180,018 | 67,148 | LS2 | Unità Operativa |
| 41 | COLLO Luigia | DMMT | Translational genomics of a major schizophrenia risk factor: from cellular to clinical phenotype | | 216,793 | 98,323 | LS2 | Unità Operativa |
| 42 | VALERIO Alessandra | DMMT | Role of non coding RNAs in the modulation of mitochondrial metabolism during aging | | 202,041 | 88,233 | LS2 | Unità Operativa |
| 43 | GASTALDI Lucia | DICATAM | Full and Reduced order modelling of coupled systems: focus on non-matching methods and automatic learning (FaReX) | | 219,200 | 64,000 | PE1 | Unità Operativa |
| 44 | ZUCCOLOTTO Paola | DEM | Statistical Models and Algorithms in sports (SMARTsports). Applications in professional and amateur contexts, with able-bodied and disabled athletes | 25/12/1971 | 184,223 | 58,995 | PE1 | Unità Operativa |
| 45 | LOMBARDI Paola | DIGI | Looking for Legislative Intent in Judicial Reasoning: An Empirical Account | | 209,435 | 42,168 | SH2 | Unità Operativa |
| 46 | MASERA Luca | DIGI | Global value chains, human rights and the law. Subtitle: The Italian, European and international path towards accountability | | 160,721 | 48,860 | SH2 | Unità Operativa |
| 47 | PICCIAU CHIARA | DIGI | Testing contractual freedom in limited liability companies: An empirical investigation of crowd-funded and State-owned firms | 27/5/1988 | 206,900 | 78,446 | SH2 | Unità Operativa |
| 48 | RAVAGNANI Luisa | DIGI | Early release from a custodial sentence: an investigation in Italian prisons | | 124,067 | 36,360 | SH2 | Unità Operativa |
| 49 | VASSALINI Irene | DII | - PolyDopamine functional surfaces for SERS monitoring of FOOD contamination (DrFOOD) | | 236,392 | 104,012 | PE11 | Unità Operativa |
| 50 | GASBARRO Federica | DEM | Carbon Transition in the Automotive Industry (CATAI) | | 124,496 | 92,589 | SH1 | capofila |
| 51 | GENNARI Francesca | DEM | A Multidimensional Model for the Transition of SMEs to the Circular Economy | | 123,035 | 30,991 | SH1 | capofila |
| 52 | FALBO Paolo | DEM | Compensation Rules Among Members of Heterogeneous Energy Communities | | 203,463 | 90,181 | SH1 | capofila |
| 53 | BAZZANA Davide | DEM | Green policy shocks, Economic transition, and Distributive Conflicts (GREDO) | | 232,501 | 28,272 | SH1 | Unità Operativa |
| 54 | DONADELLI Michael | DEM | Communicable diseases and economic activity: individual behavior, social interactions and macroeconomic outcomes | 23/8/1982 | 201,898 | 57,500 | SH1 | Unità Operativa |
| 55 | MARCHIORI Carmen | DEM | Information Diffusion, Networks and Polarization (INFONET) | | 219,999 | 70,400 | SH1 | Unità Operativa |
| 56 | VERGALLI Sergio | DEM | Are we Fit-for-55? Climate policy, actual and perceived distribution effects in Italy | | 208,758 | 64,691 | SH1 | Unità Operativa |

| | | | | | | | | |
|----|--------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|-----|-----------------|
| 57 | GIAGULLI Cinzia | DMMT | HACKING EXTRACELLULAR VESICLES (HACK-V): ENGINEERED EXTRACELLULAR VESICLES AS EMPOWERED NANO-SHUTTLES FOR ANGIOGENIC PROTEINS | | 187,375 | 90,020 | LS3 | Unità Operativa |
| 58 | SALVI Alessandro | DMMT | Characterization of extracellular vesicle biogenesis and content in Hepatocellular Carcinoma: circulating biomarkers of tumorigenesis and progression | 8/6/1972 | 187,500 | 52,500 | LS3 | Unità Operativa |
| 59 | LOCORO Angela | DEM | Characterizing and Measuring Visual Information Literacy | | 187,200 | 110,200 | PE6 | capofila |
| 60 | CERUTTI Federico | DII | ACRE: AI-Based Causality and Reasoning for Deceptive Assets | | 214,714 | 73,202 | PE6 | capofila |
| 61 | BARONI Pietro | DII | Empowering Public Interest Communication with Argumentation (EPICA) | | 213,999 | 58,164 | PE6 | capofila |
| 62 | FEDERICI Stefania | DIMI | Assessment of nano/microplastics impacts | | 208,000 | 66,560 | PE4 | capofila |
| 63 | FUSE' Marco | DMMT | Enhancing Circularly Polarised Emitters Quantum Efficiency Exploiting Single-Triplet Inversion - INVESTCPE | Under 40 | 219,811 | 72,020 | PE4 | Unità Operativa |
| 64 | GRISANTI Salvatore | DSMC | Multiparametric characterization of adreno-cortical tumors (radiomic, immune and proteomic profiles) and association with extra-adrenal neoplasms (IMPROVE STUDY) | DM 856 | 193,109 | 64,130 | LS7 | capofila |
| 65 | BIASIOTTO Giorgio | DMMT | AppenDectomy Vs Anti TNF- α in inducing Clinical and EnDoscopic remission in left-sided Ulcerative Colitis, implication for anemia and iron metabolism – A Randomized Clinical Trial and preclinical evaluation of nutraceuticals | | 194,938 | 48,734 | LS7 | Unità Operativa |
| 66 | MAJORANA Alessandra | DSMC | L-AIPAD: Lung-Advanced Imaging in Primary Antibody Deficiency | 1965 | 169,875 | 17,025 | LS7 | Unità Operativa |
| 67 | BORRONI Barbara | DSCS | Characterization of pharmacological approaches to counteract the neuropathological, morphological and behavioral alterations induced by anti-GluA3 IgG in Frontotemporal Dementia | | 222,463 | 62,263 | LS7 | Unità Operativa |
| 68 | FERRARI Federico Giorgio | DSCS | Customization of treatment in ovarian cancer, from laparoscopy to organoids and back to laparoscopy: a translational medicine journey | DM 856 | 194,919 | 1,000 | LS7 | Unità Operativa |
| 69 | MAZZAROTTO Francesco | DMMT | EXosome MicroRNA ProfiLing to identify biosignatures of mood disorders and treAtment Response (EXEMPLAR) | Under 40 | 194,922 | 77,922 | LS7 | Unità Operativa |
| 70 | SPECCHIA Claudia | DMMT | Assessing efficacy, toxicity, and quality of life in individuals with cancer treated with immune checkpoint inhibitors. Design and development of an open meta-research tool for a living systematic summary of evidence from randomized clinical trials | | 194,580 | 33,415 | LS7 | Unità Operativa |
| 71 | MARTINI Paolo | DMMT | Behavioural, molecular and neuroanatomical characterization of two models of autism in domestic chicks and zebrafish | 1975 | 199,219 | 58,200 | SH4 | Unità Operativa |
| 72 | ABATE Giulia | DMMT | Combined effect of gamma-oryzanol and probiotics in counteracting the hallmarks of pathological aging (ORPHEA) | Under 40 | 187,412 | 94,385 | LS1 | Unità Operativa |

| | | | | | | | | |
|----|----------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|-----|-----------------|
| 73 | ASPERTI Michela | DMMT | Characterization and possible biological functions of ferritin and exosome ferritin in different models of iron metabolism alterations | Under 40 | 187,410 | 87,005 | LS1 | Unità Operativa |
| 74 | TIBONI Michela | DICATAM | Urban parks' biodiversity to enhance city dwellers' health. URBioPark | | 202,120 | 97,964 | SH7 | capofila |
| 75 | ARENGHI Alberto | DICATAM | A STATIC AND DYNAMIC DATABASE FOR HISTORIC URBAN CONTEXTS ACCESSIBILITY | | 200,464 | 74,000 | SH7 | capofila |
| 76 | VACCARI Mentore | DICATAM | Sustainable Occupational Health and Safety (SOHS) in waste treatment plants: a gamified training tool for workers | | 201,886 | 50,735 | SH7 | Unità Operativa |
| 77 | BENUSSI Stefano | DSCS | THE IMPACT OF CARDIAC CALCITONIN IN HUMANS AS A NEW PARACRINE SIGNALING TO CONTROL ATRIAL FIBROGENESIS AND ARRHYTHMIA: A CLINICO-PATHOLOGICAL INVESTIGATION IN PATIENTS WITH SEVERE MITRAL-VALVE REGURGITATION AND ATRIAL FIBRILLATION OR IN SINUS RHYTHM | | 224,558 | 50,558 | LS4 | Unità Operativa |
| 78 | BERNARDI Simona | DSCS | Establishing the mechanisms of C-C Chemokine-Receptor 2 (CCR2) overexpression in myelofibrosis: implications for CCL2-mediated disease progression and preclinical validation of CCR2-blockage as a novel therapeutic strategy | Under 40 | 183,896 | 50,030 | LS4 | Unità Operativa |
| 79 | BERRUTI Alfredo | DSMC | LIFT, Liquid biopsy and Functional imaging for hormone sensitive prosTate cancer patients | | 225,000 | 45,372 | LS4 | Unità Operativa |
| 80 | DE CIUCEIS Carolina | DSCS | The role of inflammaging in neoangiogenesis during metabolic disease | | 188,000 | 94,000 | LS4 | Unità Operativa |
| 81 | ELIA Leonardo | DMMT | Atlas of human aortic aneurysms defined by spatial single-cell RNA- and ATAC- sequencing: identification of new molecular markers and therapeutic targets | | 225,000 | 190,000 | LS4 | capofila |
| 82 | FERRETTI GUIDO | DMMT | Energetic, cardiopulmonary and neuromuscular characteristics of eccentric exercise and the effects of training in healthy young subjects, in the perspective of defining accurate training principles for the prevention of chronic diseases and ageing deterioration | | 187968 | 94,747 | LS4 | capofila |
| 83 | LORENZI LUISA | DMMT | Integrated clinical-pathological and molecular characterization of relapsed/refractory diffuse large B cell lymphoma | Under 40 | 188000 | 91,150 | LS4 | Unità Operativa |
| 84 | MARENGONI Alessandra | DSCS | Exploiting patterns of FRAILTY biomarkers for the early IDentification of older adults at risk of severe COVID-19: FRAILTY-ID | | 187199 | 81,222 | LS4 | capofila |
| 85 | PERON GREGORIO | DMMT | We all eat microbes: diet as reservoir of microorganisms that preserve the ecosystem services of the human gastrointestinal microbiota (the µbEat project) | | 224,963 | 69,500 | LS4 | Unità Operativa |
| 86 | PILOTTO Andrea | DSCS | SUBcortical - cortical pathWAY (SUBWAY) in Frontotemporal Dementia: a computational model based on multimodal data | Under 40 | 205,250 | 99,315 | LS5 | Unità Operativa |
| 87 | BONO Federica | DMMT | New molecular pathways responsible for mitochondrial derangement and synapses dysregulation in Parkinson's Disease: focus on SIAH-alphaSynuclein interaction | Under 40 | 205,250 | 102,000 | LS5 | Unità Operativa |

| | | | | | | | | |
|----|---------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------|---------|-----|-----------------|
| 88 | NEGRO Francesco | DSCS | The neuromechanics of the ACL injury: implications of the loss of ligament sensory afferents on motor control and movement biomechanics in patients who underwent surgical reconstruction | | 205,248 | 61,000 | LS5 | Unità Operativa |
| 89 | PADOVANI Alessandro | DSCS | 3B4D Blood-Based Biomarkers for Dementia: Using blood-based biomarkers to improve diagnostic discrimination between Alzheimer's disease and Frontotemporal Lobar Degeneration through Bayesian statistics | | 204,562 | 101,124 | LS5 | Unità Operativa |
| 90 | PIZZI Marina | DMMT | A novel therapeutic compound to hinder alpha-synuclein pathology in Parkinson's disease | | 205,765 | 123,421 | LS5 | capofila |
| 91 | BACCHETTI Andrea | DIMI | Farming Data Implementation: definition of smart solutions for the effective implementation of Agriculture 4.0 in winery production | | 206,731 | 45,480 | LS9 | Unità Operativa |
| 92 | GIAGNONI LAURA | DICATAM | Control release fertilization for smart climate farming (CONTROL FERT) | | 205,344 | 60,942 | LS9 | Unità Operativa |
| 93 | ABBIATI Giovanni | DEM | Coming to terms not only with the pandemic. Mathematics learning loss in primary school: underlying factors and interventions | | 202,472 | 17,825 | SH3 | Unità Operativa |
| 94 | BORIN Paolo | DICATAM | CoenoBI(u)M. Art and architecture of the Cassinese Benedictine Congregation (XV-XVIII centuries): digital and | | 187,890 | 75,229 | SH5 | Unità Operativa |
| 95 | ALESSANDRI Ivano | DII | HOT-carrier METasurfaces for Advanced photonics(HOTMETA)" | | 69,507 | 69,507 | PE3 | Unità Operativa |