



Bando - Ricerca biomedica condotta da giovani ricercatori 2019

ELENCO delle IDEE PROGETTUALI AMMESSE alla FASE 2

I responsabili scientifici delle idee progettuali ammesse riceveranno ulteriori comunicazioni in merito alla presentazione del progetto completo.

Rif. idea progettuale	Titolo	Organizzazione
2019-1436	Approaches to counteract mutant androgen receptor neurotoxicity in Spinal and Bulbar Muscular Atrophy	Università degli Studi di Milano
2019-1443	extracellular Nicotinamide Phosphoribosyltransferase (eNAMPT): role in the pathogenesis and progression of Inflammatory Bowel Diseases	Università degli Studi di Pavia
2019-1452	Role of RNA/DNA Hybrids and interferon alpha signalling in Aicardi-Goutières syndrome: cellular models and their correlation with clinical phenotypes	Azienda Socio Sanitari Territoriale Fatebenefratelli - Sacco
2019-1453	Unraveling the role of the Human Endogenous Retroviruses in the pathogenesis of the colorectal cancer (HEROIC)	Università degli Studi di Milano
2019-1475	Microvesicles: INTERsection between Dysbiosis and Multiple Sclerosis (MIND-MS)	Università degli Studi del Piemonte Orientale "Amedeo Avogadro"
2019-1481	Stathmin-2 in Spinal Muscular Atrophy (SMA): assessing molecular and therapeutic role in SMA human and murine models	Università degli Studi di Milano
2019-1482	Understanding the role of tubulin post-translational modification and mitochondrial impairment in bortezomib-induced peripheral neurotoxicity	Università degli Studi di Milano - Bicocca

2019-1494	Investigation of the response to nutritional stress as mechanism of resistance to the therapy of renal cell carcinoma	Università degli Studi di Milano - Bicocca
2019-1496	Unravelling the role of Hippo pathway in dystrophic cardiomyopathy.	Fondazione Istituto Europeo di Oncologia e Centro Cardiologico Monzino
2019-1497	Unveiling the mitochondrial Rab GTPases role in Parkinson's Disease	Università degli Studi dell'Insubria
2019-1498	Role of GM1 deficiency in the onset of Parkinson's disease — GoPARK	Università degli Studi di Milano
2019-1501	Repurposing of CXCR4 inhibitor to revert chemoresistance and immune suppressive properties of lung cancer metastasis initiating cells	Fondazione IRCCS Istituto Nazionale dei Tumori
2019-1502	Targeting the Notch pathway to overcome the resistance to therapy in ovarian cancer	Istituto di Ricerche Farmacologiche "Mario Negri"
2019-1505	An Endocytic-mediated solid-to-liquid-like switch promotes collective motility and invasive traits in early breast carcinoma lesion	Fondazione Istituto FIRC di Oncologia Molecolare
2019-1510	Study of the mechanisms underlying cognitive deficits in a model of Noonan Syndrome using induced pluripotent stem cells-derived neurons	Università degli Studi di Brescia
2019-1515	Role of dysfunctional HDL in cardiomyocytes injury during the acute coronary syndrome: defining the molecular and cellular mechanisms	Università degli Studi di Milano
2019-1536	Mitophagy as target for fenofibrate repositioning in cardiac hypertrophy	Università degli Studi di Milano
2019-1556	Acidosis and neuronal loss in neonatal stroke: dissecting the role and the mechanism of action of ASIC channels	Consiglio Nazionale delle Ricerche - Istituto di biofisica
2019-1558	Human Papillomavirus (HPV) detection in blood and HPV lineage variants analysis: new potential biomarkers for cancer prevention?	Università degli Studi di Milano - Bicocca
2019-1560	Molecular mechanisms of Tregulatory impairment in Familial Hypercholesterolemia: exploring cellular metabolic reprogramming as a tool to restore their suppressive function	Università degli Studi di Milano

2019-1567	Müller/endothelial cell cross talk in the pathogenesis of Proliferative Diabetic Retinopathy: a novel therapeutic target	Università degli Studi di Brescia
2019-1572	Expression profile of host and parasite miRNA in Cystic Echinococcosis infection	Università degli Studi di Pavia
2019-1595	Estrogen-dependent dysregulation of the macrophage-to-epithelium communication in endometriosis	Università degli Studi di Milano
2019-1605	HIRE MY BRAIN: molecular characterization of HIV REservoir of MYeloid origin in the BRAin and proviral INTegration sites	Università Vita-Salute San Raffaele
2019-1607	Exploring the pathogenic role of exosomal miRNAs in the development of cardiovascular complications of type 2 diabetes mellitus	Fondazione Multimedica ONLUS
2019-1609	Pancreatic ductal adenocarcinoma microenvironment: interplay between fibrosis and NK cells	Istituto di Ricerche Farmacologiche "Mario Negri"
2019-1615	Effect of methionine supplementation on mitochondrial function and metabolism in liver cancer	Università degli Studi di Milano - Bicocca
2019-1624	Smad9 Modulations To Improve Myogenic Potential in Adult and Pluripotent Progenitors.	Università degli Studi di Pavia
2019-1629	Smpx-deficient zebrafish embryos: a tool for studying human ciliopathies and deafness	Università degli Studi di Milano
2019-1632	Role of T-cells in injury evolution after aneurysmal subarachnoid hemorrhage. Clinical and experimental study	Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico
2019-1635	Unravelling the genome integrity in Spinal Muscular Atrophy with Respiratory Distress type 1 (SMARD1) to understand pathogenesis and identify therapeutic targets	Università degli Studi di Milano
2019-1644	Bitter taste receptors in airway smooth muscle cells: downstream mechanism and SNPs correlation with asthma	Università degli Studi del Piemonte Orientale "Amedeo Avogadro"
2019-1646	Molecular mechanism underlying the effect of eEF2K genetic deletion in Scn1a+/- mice: in search for a therapy for Dravet syndrome	Consiglio Nazionale delle Ricerche - Istituto di Neuroscienze

2019-1670	New mechanisms leading to aortic valve calcification: Exploring the role of plasma- and valve interstitial cell-associated PCSK9	Fondazione Istituto Europeo di Oncologia e Centro Cardiologico Monzino
2019-1677	Inflammation-induced accelerated brain aging in multiple sclerosis	Università Vita-Salute San Raffaele
2019-1682	Glioblastoma: new insight in the role of the Eph/ephrin system, identification and exploitation of new therapeutic targets	Università degli Studi di Brescia
2019-1686	Molecular insights on the transcriptional activity of NSD2 methyltransferase in Multiple Myeloma: structural/functional role of PHDv-C5HCH domain	Università Vita-Salute San Raffaele
2019-1691	Hidden molecular mechanisms of Long QT Syndrome: a system-wide trail with patient-specific induced pluripotent stem cells	Istituto Auxologico Italiano
2019-1698	Deciphering imprinting gene networks involving lncRNA and chromatin interactions in Beckwith-Wiedemann and Silver-Russell syndromes. (Acronym: INKLing)	Università degli Studi di Milano
2019-1705	A thorough understanding of the molecular players causing rare complement-mediated glomerular diseases	Istituto di Ricerche Farmacologiche "Mario Negri"
2019-1706	Defining cellular and molecular mechanisms of altered postprandial Neutrophil mobilization in Diabetes	Università degli Studi di Milano
2019-1708	Single cell map and therapeutic rewiring of the immune microenvironment associated with different mechanisms of leukemia post-transplantation relapse	Università Vita-Salute San Raffaele
2019-1721	Investigating the immune landscape of esophageal cancer in response to neoadjuvant chemo-radiation therapy	Università Vita-Salute San Raffaele
2019-1725	Impact of structural proteins targeting cardiac sarcoplasmic reticulum on susceptibility to life-threatening hereditary arrhythmias	Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione
2019-1733	Molecular basis and functional consequences of SUMOylation in blood brain barrier cells after ischemia	Istituto di Ricerche Farmacologiche "Mario Negri"

2019-1734	The role of oxidative stress and mitochondrial TERT in the progression and therapeutic resistance of papillary thyroid cancer.	Istituto Auxologico Italiano
2019-1737	Unraveling the molecular mechanisms by which S1P orchestrates the crosstalk between cancer stem cells, endothelium and platelets in glioblastoma	Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico
2019-1742	Investigation of the molecular and synaptic determinants of tourette syndrome	Università Vita-Salute San Raffaele
2019-1745	Age-related macular degeneration and innate immunity; molecular crosstalk between complement system and the long pentraxin PTX3	Humanitas University
2019-1747	Synapse-to-nucleus signalling in Alzheimer's disease	Università degli Studi di Milano
2019-1756	MelanomiX: Unravelling the oncogenic mechanisms involved in glycogen metabolism deregulation during melanoma progression.	Fondazione Istituto FIRC di Oncologia Molecolare
2019-1759	Assessing the functional role of non-coding HLA susceptibility variants in the pathogenesis of acquired TTP	Università degli Studi di Milano
2019-1760	Biomarker-driven single-cell lung pathology prediction of disease progression in idiopathic pulmonary fibrosis	Università degli Studi di Milano - Bicocca
2019-1767	The telomeric DNA damage in Alzheimer's disease: investigating its role and exploring its therapeutic potential	Fondazione Istituto FIRC di Oncologia Molecolare
2019-1778	Elucidating Nutrients Sensing Mechanisms in Alzheimer's Disease: a Molecular Epidemiology approach	IRCCS Fondazione Istituto Neurologico Nazionale C. Mondino
2019-1781	The proteinaceous etiology of Alzheimer's disease	Istituto di Ricerche Farmacologiche "Mario Negri"
2019-1785	An integrated approach to investigate the molecular substrates of Autism Spectrum Disorder/Intellectual Disabilities in the developing cerebral cortex	Humanitas University

2019-1788	Deciphering the role of long non-coding RNAs in shaping tumor infiltrating regulatory CD4+ T cell identity by single-cell perturbation analysis	Fondazione Istituto Nazionale di Genetica Molecolare
2019-1791	Molecular basis of osteoporosis and age-related bone diseases	Politecnico di Milano
2019-1792	Dissection of aggressiveness and chemoresistance pathways in dedifferentiated liposarcoma to identify new therapeutic targets	Fondazione IRCCS Istituto Nazionale dei Tumori
2019-1796	Role of the Gut Vascular Barrier and Microbiota in Autism Spectrum Disorders	Fondazione Humanitas per la Ricerca
2019-1800	Epithelial plasticity in the pathogenesis of IBD	Fondazione Humanitas per la Ricerca
2019-1804	The role of TET2 in Regulating Cardiomyocyte Proliferation	Humanitas University
2019-1807	TRACERY - Toward the understanding of the molecular basis of biofilm-like formation for the development of a bio-inspired antimicrobial therapy	Fondazione Istituto Italiano di Tecnologia - IIT
2019-1809	Structural studies on mechanosensation in the cancer-related Hv1 channel	Università degli Studi di Pavia
2019-1811	Neuroblastoma: the role of DNER in cancer onset and progression	Università degli Studi di Brescia
2019-1829	Pentraxin3-thrombospondin1 complex in neurodevelopmental diseases	Fondazione Humanitas per la Ricerca
2019-1832	The role of TAZ in cardiac homeostasis and hypertrophy: a potential therapeutic target for heart failure	Fondazione Humanitas per la Ricerca
2019-1834	Dissecting microRNA networks in tumor-associated macrophages	Università Vita-Salute San Raffaele
2019-1836	Genetic spectrum and functional mechanisms of the intronic aaggg repeat expansion in rfc1 causing canvas and late-onset ataxia	IRCCS Fondazione Istituto Neurologico Nazionale C. Mondino
2019-1849	Liquid biopsies to dissect the mechanisms of arterial remodeling in giant cell arteritis	Università degli Studi di Milano
2019-1852	Microbiota diversity in healthy elderly at different risk for cognitive decline: role of inflammatory status	Istituto di Ricovero e Cura a Carattere Scientifico "Centro San Giovanni di Dio-Fatebenefratelli"

2019-1892	Prevalence and significance of gut and airway microbiota in obstructive sleep apnoea: the microbiOSA study.	Istituto Auxologico Italiano
2019-1899	Functional proteomics of uremic retention solutes associated with immunosenescence and impaired adaptive stress response	Università degli Studi di Pavia
2019-1914	Mechanisms of mutagenesis in pre-cancerous kidney as a driving factor of von Hippel Lindau disease progression	Università Vita-Salute San Raffaele
2019-1923	Targeting protein aggregates as a new strategy to counteract cancer progression	Fondazione Istituto FIRC di Oncologia Molecolare
2019-1973	Interplay between immune molecules and the epigenetic factor MeCP2 in Autism Spectrum Disorder	Consiglio Nazionale delle Ricerche - Istituto di Neuroscienze
2019-2031	How mutant p53 isoforms alter the microenvironment of pancreatic ductal adenocarcinoma	Università degli Studi del Piemonte Orientale "Amedeo Avogadro"