



Area Ricerca Scientifica	Bando Ricerca biomedica condotta da giovani ricercatori	Ammessi a Fase 2 deliberati dal Cda del 27/06/2022
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Rif. idea progettuale	Titolo	Organizzazione
2022-0180	Exploring different p53 variants at the crossroads between functional and dysfunctional neurons: implication for Alzheimer's disease	Università degli Studi di Brescia
2022-0195	Beta-Klotho (KLB) deficiency features metabolomic disturbances driving the switching to steatohepatitis (NASH)-related fibrosis	Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico
2022-0200	Identification of specific miRNAs involved in allergic asthma and study of their role in etiopathogenesis of the disease	Università degli Studi di Milano
2022-0206	Gut-Derived Extracellular Vesicles as novel carriers of gut-to-brain communication in epilepsy: role in neuronal excitability and neuroinflammation	Consiglio Nazionale delle Ricerche - Istituto di Neuroscienze
2022-0228	Mucosal associated invariant T cells modulate the cross-talk between the gut and the brain in people with Multiple Sclerosis	Università degli Studi di Milano
2022-0231	Dissecting the role of synapsin III in alpha-synuclein seeding and spreading in Parkinson's disease	Università degli Studi di Brescia
2022-0232	SPECTR-AD: SPECTroscopic biomarkers discovering in tears of Alzheimer's disease (AD) patients	Università degli Studi di Milano - Bicocca
2022-0252	Investigating the neurobiological basis of FOXP1 syndrome using patient-specific iPSC-derived human brain organoids	Università degli Studi di Milano - Bicocca
2022-0277	The viRal sEnSor IFI16 at the crossroads between damage and Tolerance during human Coronavirus infection (RESISTANCE)	Università degli Studi del Piemonte Orientale "Amedeo Avogadro"
2022-0282	Dissecting the role of extracellular matrix in Frontotemporal Dementia using cortical organoids	IRCCS Fondazione Istituto Neurologico Nazionale C. Mondino
2022-0285	3D Bioprinted extracellular matrix mimetics to crack the effect of cell-cell and cell-matrix interactions in progressive fibrosing interstitial lung diseases	Università degli Studi di Milano - Bicocca
2022-0294	Molecular mechanisms of NLRP3-inflammasome inhibition by Leishmania infantum-derived factors in the neuropathogenesis of Alzheimer's disease.	Università degli Studi di Milano
2022-0298	Sex bias and genetic determinants in primary biliary cholangitis	Azienda Socio Sanitaria Territoriale (ASST) Di Monza



2022-0300	Dissecting the interplay between transposable elements and cell senescence reactivation in Dyskeratosis congenita	Università Vita-Salute San Raffaele (Milano)
2022-0303	Early life stress and the increased vulnerability for Depression: central and peripheral alterations mediated by FoxO1/ β -catenin complex	IRCCS "Centro San Giovanni di Dio-Fatebenefratelli" di proprietà e gestito dalla Provincia Lombardo-Veneta
2022-0309	G4StopPD. G-Quadruplex selective targeting for SNCA Tuning Overexpression as new therapeutic advance in Parkinson's Disease	Università degli Studi di Pavia
2022-0313	Sodium-calcium exchanger (NCX): pivotal elements leading to axonal damage in peripheral nerves?	Università degli Studi di Milano - Bicocca
2022-0314	UNDERSTANDING THE MOLECULAR MECHANISMS UNDERLYING THE HETEROGENEITY OF GBA-RELATED PARKINSON'S DISEASE PHENOTYPE: A KEY TO IMPROVE CARE AND PROGNOSIS	IRCCS Fondazione Istituto Neurologico Nazionale C. Mondino
2022-0315	New frontiers in treating alcoholism: are psychedelics the key?	Università Vita-Salute San Raffaele (Milano)
2022-0316	Role of the adipokine Gremlin-1 in the adipocyte-myofibroblast transition in obesity	Università degli Studi di Brescia
2022-0337	Unravelling molecular mechanisms of HDL reduction in Familial Combined Hypobetalipoproteinemia (FHBL2)	Università degli Studi di Milano
2022-0344	The role of neuroimaging in elucidating the pathophysiology of GBA-PD	Università Vita-Salute San Raffaele (Milano)
2022-0353	Immunopathogenesis of Facioscapulohumeral Muscular Dystrophy	Università Vita-Salute San Raffaele (Milano)
2022-0365	Cell-specific estrogen inhibitors: challenging the endocrine control of immunity in endometriosis - IMMENSIS	Università degli Studi di Milano
2022-0368	The role of trained immunity in systemic sclerosis	Università Vita-Salute San Raffaele (Milano)
2022-0369	The role of pro-migratory receptor GPR35 in granulocyte recruitment to inflamed lung mucosa upon fungal and viral infection.	Università Vita-Salute San Raffaele (Milano)
2022-0380	Dissecting the role of Ghrelin/GHSR in depression: a road from patients to in vitro models and back to find new pharmacological targets	Azienda Socio Sanitaria Territoriale (ASST) Di Monza
2022-0391	Bio-molecular pathogenesis of pelvic organ prolapse: how the detection could improve future health outcomes	Azienda Socio Sanitaria Territoriale (ASST) Di Monza
2022-0394	Unveiling the molecular basis of necrotizing enterocolitis in a neonatal mouse model to identify new potential preventive and therapeutic approaches	Università degli Studi di Milano
2022-0396	A minimal model to bridge the biogenesis, structure and functionality of Hepatitis C virus entry machinery	Università Vita-Salute San Raffaele (Milano)



2022-0409	The role of FGF23 in beta-thalassemia: molecular mechanisms and novel strategies to target bone and hematopoietic stem cell niche defects	Università Vita-Salute San Raffaele (Milano)
2022-0415	A multi-omic approach to unveil molecular mechanisms of Moyamoya disease pathogenesis	Fondazione IRCCS Istituto Neurologico Carlo Besta
2022-0417	New insight in the molecular mechanisms of diastrophic dysplasia to pave the way for developing innovative therapeutic strategies	Università degli Studi di Pavia
2022-0418	Human Vascular Endothelial Cells activation and dysfunction in COVID-19 pathogenesis: new insight on inflammation and thrombosis mechanisms	Università degli Studi di Milano
2022-0420	Evaluation of T cell and Innate lymphoid cell subsets in correlation with pre-clinical vascular damage indexes in a cohort of patients with systemic sclerosis at high cardiovascular risk.	Università degli Studi di Brescia
2022-0431	Investigating axonal defects and neuronal circuit maintenance in Frontotemporal dementia (FTD-AxCir)	Consiglio Nazionale delle Ricerche - Istituto di Neuroscienze
2022-0434	The KCC2 interactome: A structural approach to provide mechanistic understanding of GABAergic inhibition and therapeutic venues for neurodevelopmental disorders.	Università degli Studi di Pavia
2022-0435	TAVI-PRIME: Transcatheter Aortic Valve Implantation PRognostic assessment coupling Immunological profile and high-fidelity ModEling	Politecnico di Milano
2022-0438	Host extracellular matrix: a new target to tackle mycobacterial infections	Università degli Studi di Milano
2022-0440	Dissecting the role of the complement cascade in diabetic kidney disease by spatial multi-omics	Università degli Studi di Milano - Bicocca
2022-0443	Unraveling the role of wall vibrations in the formation of vascular stenosis	Università degli Studi di Bergamo
2022-0444	Understanding the correlation between microRNAs expression and regional lung tissue impairment after lung transplantation	Politecnico di Milano
2022-0460	Dissecting the role of Staphylococcus aureus in anti-IL-4/IL-13 and anti-JAK-treated atopic dermatitis patients	Università degli Studi del Piemonte Orientale "Amedeo Avogadro"
2022-0464	Humoral Innate Immunity molecules as biomarkers for COVID-19 complications.	Fondazione Humanitas per la Ricerca
2022-0469	Association of the TNFAIP3 genomic locus with immune-mediated TTP	Università degli Studi di Milano
2022-0471	Understanding the interplay between extracellular vesicles and alpha-synuclein in Parkinson's disease progression	Fondazione Don Carlo Gnocchi onlus
2022-0478	Looking for biomarkers: circular RNA profiling of monozygotic twins discordant for Parkinson's disease.	Humanitas University
2022-0481	Investigating the neuron–glia interactions in chemotherapy-induced peripheral neurotoxicity	Università degli Studi di Milano - Bicocca



2022-0496	L-type Calcium Channel in septic cardiomyopathy: a potential diagnostic and therapeutic target for management of septic heart	Consiglio Nazionale delle Ricerche - Istituto di ricerca genetica e biomedica
2022-0512	Coagulase-negative Staphylococci chronic periprosthetic joint infections: role of PIA/PNAG in the immune response evasion	Humanitas University
2022-0515	Unveiling the role of Triadin loss on cardiac proteostasis and structural rearrangements: impact on susceptibility to hereditary arrhythmias	Fondazione Salvatore Maugeri Clinica del Lavoro e della Riabilitazione
2022-0517	Study of the synaptic dysfunction in Alzheimer's disease through the detection of membrane proteins on neuronal extracellular vesicles	Fondazione Don Carlo Gnocchi onlus
2022-0519	Sensing the gut microenvironment: manipulation of macrophages for the therapy of IBD	Humanitas University
2022-0521	Beckwith-Wiedemann Syndrome and adverse reproductive outcome: role of Subcortical Maternal Complex gene variants on imprinting defects.	Istituto Auxologico Italiano
2022-0523	Dissecting inter-organ metabolic cross-talk in heart failure	Humanitas University
2022-0535	Amyloid deposition in the heart: mechanisms of targeting aortic valves and myocardium	Università degli Studi di Pavia
2022-0536	Interplay of viral infection, EBV genetic diversity, and virus-driven citrullination in the susceptibility and progression of multiple sclerosis	Associazione La Nostra Famiglia - Istituto di Ricovero e Cura a carattere scientifico Eugenio Medea
2022-0546	Transcorneal electrical stimulation as a neuroprotective and remyelinating treatment of optic neuritis - a preclinical study	Università Vita-Salute San Raffaele (Milano)
2022-0560	Looking for a blood epigenetic signature to predict female infertility	Humanitas University
2022-0561	Deciphering the source of cryptogenic stroke by the analysis of thrombo-inflammation in cerebral clots	Università Vita-Salute San Raffaele (Milano)
2022-0610	MESH: anatomical and functional MESocorticolimbic system characterization in Headache patients	Fondazione IRCCS Istituto Neurologico Carlo Besta
2022-0621	Identification of Flavivirus host factors using whole genome CRISPR screens in defined human pluripotent stem cell-derived cortical neurons	Fondazione Human Technopole
2022-0644	Dissecting immune exhaustion in non-tuberculous mycobacterial lung disease (NTM-LD) patients to identify novel prognostic and therapeutic targets. (DISINHIBIT)	Università degli Studi di Milano
2022-0663	The T cell landscape in SARS-CoV-2 vaccination and breakthrough infections	Fondazione Istituto Nazionale di Genetica Molecolare