

Project ID	Principal Investigator	Host Institute	Call ID	Project Title	PI category	Physical Access
1761030	FRANCOLINI, MAURA	Università degli Studi di MILANO	24-LI-PILOT	Near InfraRed Branding with Two-Photon Microscopy for Precise relocation of regions of interest in Correlative Light and Electron Microscopy	Established PI	Yes
1769370	MAPELLI, MARINA	IEO - Istituto Europeo di Oncologia - Milano	24-SB-PILOT	Biochemical and structural characterization of Wnt-enhanceosome complexes	Established PI	No
1770774	MUSCO, GIOVANNA	Ospedale San Raffaele s.r.l.	24-SB-PILOT	Structural Insights into HMGB1-CXCL12-CXCR4 ternary complex	Established PI	Yes
1771263	ACCONCIA, FILIPPO	Università degli Studi ROMA TRE	24-SB-PILOT	Preparation of biomass for the purification of the wild type and point-mutated ERO in HEK293F cells	Established PI	No
1771558	RAMAZZOTTI, DANIELE	Università degli Studi di MILANO-BICOCCA	24-G-PILOT	Evolutionary Dynamics and Genotype-Phenotype Mapping for Precision Medicine in Lung Cancer	Junior PI	No
1777959	STEINER, ROBERTO	Università degli Studi di PADOVA	24-SB-PILOT	Cross-linking mass spectrometry analysis of the Drip1-KLC1 complex	Established PI	Yes
1790741	MONTINARO, FRANCESCO	Università degli Studi di BARI ALDO MORO	24-G-PILOT	BioSUD prime: A whole genome biobank for the study of Substance Use Disorders	Junior PI	No
1790801	SAPONARO, ANDREA COSIMO	Università degli Studi di MILANO	24-SB-PILOT	Structural pharmacology of chronic pain: cryo-EM of HCN2 channel	Junior PI	No
1798911	CAPRANICO, GIOVANNI	Alma Mater Studiorum - Università di BOLOGNA	24-G-PILOT	Definition of Top1cc-induced mutational signatures in cancer and neurodegenerative disease cell models	Established PI	No
1803683	BARCHI, MARCO	Università degli Studi di ROMA "Tor Vergata"	24-G-PILOT	Exploring the molecular mechanism behind meiotic X-Y nondisjunction in mammals	Established PI	No
1804543	PAGANI, LUCA	Università degli Studi di PADOVA	24-G-PILOT	What stays local, what migrates? A space/time surveys of human genomic haplotypes in Italy	Established PI	No
1807974	CURRÀ, CHIARA	Istituto Superiore di Sanità - ISS	24-SB-PILOT	Discovery of the interactome in walled forms Apicomplexa parasites by a co-fractionation mass spectrometry-based method approach.	Junior PI	Yes
1811475	CAPELLI, CRISTIAN	Università degli Studi di PARMA	24-G-PILOT	The genomic profile of a captive colony of baboons, a model organism in biomedical research – GEB	Established PI	No
1822216	CARRELLA, SABRINA	Stazione Zoologica "ANTON DOHRN"	24-G-PILOT	OxymIRs modulation effect on in vitro model of Age-d-macular degeneration (AMD)	Junior PI	No
1829306	MOLOGNI, LUCA	Università degli Studi di MILANO-BICOCCA	24-G-PILOT	Integrative multi-omics analysis of treatment resistance and disease progression in chronic lymphocytic leukemia	Junior PI	No
1841274	BIANCHI, ENRICA	Università degli Studi di ROMA "Tor Vergata"	24-LI-PILOT	Molecular dynamics of the egg membrane during fertilization	Junior PI	Yes
1852455	MOROSINOTTO, TOMAS	Università degli Studi di PADOVA	24-G-PILOT	A Transcriptomic Approach to Decode Fundamental Mechanisms of Plant Metabolism Regulation	Established PI	No
1853459	PASINI, DIEGO	IEO - Istituto Europeo di Oncologia - Milano	24-SB-PILOT	STRUCTURAL AND TOPOLOGICAL CHARACTERISATION OF POLYCOMB COMPLEXES	Established PI	No
1855482	FIORITI, LUANA	Istituto di ricerche farmacologiche Mario Negri - Milano, Bergamo, Ranica	24-G-PILOT	Cell type-specific vulnerability to the toxic effect of Tau in animal models of FTD	Established PI	No
1856511	CHIESA, ROBERTO	Istituto di ricerche farmacologiche Mario Negri - Milano, Bergamo, Ranica	24-GEDM-PILOT	Generation of induced pluripotent stem cells (iPSCs) from carriers of the fatal familial insomnia (FFI) mutation and non-carrier relatives, and gene editing of selected FFI iPSC lines	Established PI	No
1862761	SOBACCHI, CRISTINA	Istituto Clinico Humanitas - Rozzano (Milano)	24-GEDM-PILOT	Mechanistic insights into AFFN1-associated genetic variants through human iPSC-derived organoids	Junior PI	No
1864272	IACOBUCCI, CLAUDIO	Università degli Studi dell'AQUILA	24-SB-PILOT	Defining components of the VPS13D lipid transfer machinery	Junior PI	No
1864991	CARRA, SERENA	Università degli Studi di MODENA e REGGIO EMILIA	24-G-PILOT	HSPB3 as a candidate to promote postnatal differentiation of motor neurons and skeletal muscle cells, maintaining the neuromuscular junction plasticity	Established PI	No
1865827	VANONI, MARIA ANTONIETTA	Università degli Studi di MILANO	24-SB-PILOT	Characterization of the MICAL1/F-actin binding interaction	Established PI	Yes
1866916	CONTI, VALERIO	Azienda ospedaliero-universitaria Meyer - Firenze	24-GEDM-PILOT	Exploring pathophysiological consequences of TMEM63B variants in human neurons and brain organoids	Junior PI	No
1867156	FUMAGALLI, STEFANO	Istituto di ricerche farmacologiche Mario Negri - Milano, Bergamo, Ranica	24-G-PILOT	Spatial transcriptomic landscape of ischemic stroke clots	Junior PI	No
1868243	DE PINTO, VITO NICOLA	Università degli Studi di CATANIA	24-SB-PILOT	Identification of the amino acid residues involved in VDAC1-HK1 interaction using cross-linking mass spectrometry	Established PI	Yes
1870593	PERCESEPE, ANTONIO	Università degli Studi di PARMA	24-G-PILOT	IMPRINT: Spatial transcriptomic Profiling for the Identification of genomic signatures in rare Tumors	Established PI	No
1872468	BERTOLINI, GIULIA	Fondazione IRCCS Istituto Nazionale dei tumori - Milano	24-G-PILOT	Single-cell dissection of phenotypic and genotypic determinants of metastasis founder cells in lung cancer	Junior PI	No
1873317	HUBER, VERONICA BARBARA	Fondazione IRCCS Istituto Nazionale dei tumori - Milano	24-G-PILOT	Plasma Extracellular Vesicle RNA as predictive biomarker of immunotherapy outcome in a pan-cancer setting	Established PI	No
1873916	FASANO, MAURO	Università degli Studi INSUBRIA Varese-Como	24-LI-PILOT	Real-Time Visualization of G-Quadruplexes in Living Cells: Unraveling Dynamic DNA Structures for Therapeutic Insights	Established PI	Yes
1874869	DAVERI, ELENA	Fondazione IRCCS Istituto Nazionale dei tumori - Milano	24-G-PILOT	Spatial transcriptomics of tumor microenvironment to unravel the role of dyslipidemic macrophages in promoting disease progression of colorectal cancer patients	Junior PI	No
1877928	TRIVELLIN, GIAMPAOLO	HUMANITAS University	24-GEDM-PILOT	Deciphering molecular and phenotypic alterations in X-Linked Acroggiantism through human iPSC-derived 3D pituitary cultures	Junior PI	No
1879141	LOVISA, SARA	Istituto Clinico Humanitas - Rozzano (Milano)	24-G-PILOT	Unraveling the role of epithelial plasticity and inflammatory memory in chronic tissue injury	Junior PI	No
1887116	SCOTTI, CLAUDIA	Università degli Studi di PAVIA	24-G-PILOT	Decoding the complexity of cancer amino acid dependency through single-cell sequencing of two adenocarcinoma cell lines	Established PI	No
1891352	MORONI, ANNA	Università degli Studi di MILANO	24-SB-PILOT	Structural pharmacology of HCN4 pacemaker channels	Established PI	No
1891676	MATTEOLI, MICHELA	Istituto Clinico Humanitas - Rozzano (Milano)	24-SB-PILOT	Mapping the TREM2 interactome to discover the communication mechanisms between microglia, neurons and brain vessels	Established PI	No
1891879	LOLICATO, MARCO GAETANO	Università degli Studi di PAVIA	24-SB-PILOT	Structural characterization of the neuronal transporter KCC2 and its cytoskeleton partners	Junior PI	No
1891935	ANGI, MARTINA	Fondazione IROCS Istituto Nazionale dei tumori - Milano	24-G-PILOT	Eyes on the Map: Exploring human Uveal Melanoma by Spatial Transcriptomics from primary tumor to liver metastasis to identify new molecular targets involved in tumor-immune contexture	Junior PI	No
1893793	MAZZONE, MASSIMILIANO	HUMANITAS University	24-G-PILOT	Decoding PDAC dynamics: harnessing genomic, transcriptomic, and epigenetic insights for precision immunotherapy	Established PI	No
1893882	DI MITRI, DILETTA	Istituto Clinico Humanitas - Rozzano (Milano)	24-G-PILOT	Leveraging spatial transcriptomics to decode mechanisms of cancer resistance to immunotherapy	Established PI	No
1894097	NALDINI, ANTONELLA	Università degli Studi di SIENA	24-GEDM-PILOT	Genome engineering strategy to validate the role of the Hippo pathway as a novel regulator of dendritic cell physiology	Established PI	No

1895699	BUTI, SEBASTIANO	Università degli Studi di PARMA	24-G-PILOT	Exploring Cholesterol's Role in Immune Checkpoint Inhibitor Response: Identification of Metabolic Biomarkers and Mechanisms of Resistance in advanced renal cell carcinoma and non-small cell lung cancer	Established PI	No
1922732	GIACHIN, GABRIELE	Università degli Studi di PADOVA	24-SB-PILOT	Structural elucidation of the mitochondrial Complex I-ACAD9 assembly using cross-linking mass spectrometry and cryo-EM	Junior PI	Yes
1950816	AZZONI, EMANUELE	Università degli Studi di MILANO-BICOCCA	24-LI-PILOT	From prenatal origins to novel therapeutic strategies targeting inflammatory pathways: leveraging pre-clinical models of Juvenile Myelomonocytic Leukemia (JMML)	Junior PI	Yes
1953250	DE CURTIS, IVAN MATTEO	UNISR - Università Vita Salute San Raffaele	24-SB-PILOT	Crosslinking mass spectrometry to identify inter-molecular interactions that promote the assembly of plasma membrane-associated networks.	Established PI	No
1956219	CENDRON, LAURA	Università degli Studi di PADOVA	24-SB-PILOT	Unveiling the structural details of the mouse serum albumin recycling process	Established PI	Yes
1961553	GENTILUOMO, MANUEL	Università di PISA	24-G-PILOT	Harnessing Long-Read Sequencing for Unveiling Structural Variants in Pancreatic Cancer: A Step Toward Precision Medicine	Junior PI	No
1967222	VALENTI, LUCA VITTORIO CARLO	Fondazione Ca'Granda - Ospedale Maggiore Policlinico - Milano	24-G-PILOT	DETECTIVE: Defining the genomic landscape of metabolic steatotic liver disease	Established PI	No
1969473	TUTINO, MARIA LUISA	Università degli Studi di Napoli Federico II	24-SB-PILOT	BRINGING TO INDUSTRIAL LEVEL THE RECOMBINANT PRODUCTION OF HUMAN CDKL5 IN THE ANTARCTIC MARINE BACTERIA PSEUDOMONAS HALOPLANKTIS TAC125	Established PI	Yes
1970486	RAMPELLI, SIMONE	Alma Mater Studiorum - Università di BOLOGNA	24-G-PILOT	Evolutionary dynamics of microbial genomes in human microbiome - CoEvolve	Junior PI	No
1972470	BARDELLI, ALBERTO	Università degli Studi di TORINO	24-G-PILOT	Analyses of repetitive Elements and DNA fragmentomic profiling to monitor immune-surveillance in tissue and blood	Established PI	No
1972478	RUSSO, MARIANGELA	Università degli Studi di TORINO	24-G-PILOT	Genetic and non-genetic landscape of drug tolerant persister cells: from multi-omic characterization to therapeutic opportunities.	Junior PI	No
1984588	ZAMPELLI, BARBARA	Alma Mater Studiorum - Università di BOLOGNA	24-SB-PILOT	Drug screening on NDRG1, a protein involved in nickel-driven lung cancer	Established PI	Yes
1984952	COSTANTINI, FEDERICA	Alma Mater Studiorum - Università di BOLOGNA	24-G-PILOT	CORAL4BIO: Exploring Coral Diversity to Strengthen Marine Biodiversity Conservation	Junior PI	No
1984997	PANICO, CRISTINA	HUMANITAS University	24-GEDM-PILOT	Determining the Pathogenicity of Genomic Variants of Uncertain Significance in Cardiomyopathies Using CRISPR/Cas9 and Human-Induced Pluripotent Stem Cells	Junior PI	No
1985169	POLO, SIMONA LAURA ANNA	Università degli Studi di MILANO	24-SB-PILOT	Illuminating the mechanism of substrate-assisted catalysis of NEDD4 through CRYO-EM and biophysical analysis'	Established PI	Yes
1986348	ONELLI, ELISABETTA	Università degli Studi di MILANO	24-SB-PILOT	The role of lipid rafts in trans golgi network and golgi bodies cooperation in tobacco pollen tubes	Established PI	No
1987080	CALORE, MARTINA	Università degli Studi di PADOVA	24-G-PILOT	Cardiac single-nucleus chromatin and transcriptome profiling in models for arrhythmogenic cardiomyopathy	Established PI	No
1987235	GABRIELI, PAOLO	Università degli Studi di MILANO	24-SB-PILOT	SIP - Hidden Structure and Innervation of the mosquito Proboscis revealed by volume electron microscopy	Established PI	No
1987648	DANIELLI, ALBERTO	Alma Mater Studiorum - Università di BOLOGNA	24-G-PILOT	Hi-Fur - The ferric uptake regulator Fur mediates distal iron-dependent chromatin interactions and DNA looping in Helicobacter pylori	Established PI	No
1987895	DI MARCOTULLIO, LUCIA	Università degli Studi di ROMA "La Sapienza"	24-G-PILOT	Characterization of meningioma by Whole Genome Sequencing to identify new molecular subtypes and biological drivers.	Established PI	No
1988438	BALLARINO, MONICA	Università degli Studi di ROMA "La Sapienza"	24-LI-PILOT	Ion Imaging in Neuro-Muscular Organoids (INEMO)	Established PI	Yes
1988793	GENTILE, ANTONIETTA	Università degli Studi di ROMA "Tor Vergata"	24-LI-PILOT	Confocal and super-resolution microscopy to study neuron-microglia cross-talk in a genetic model of Autism Spectrum Disorder	Junior PI	Yes
1989146	ABSINTA, MARTINA	HUMANITAS University	24-GEDM-PILOT	Unraveling the role of microglial C1q in neuroinflammation in multiple sclerosis using hiPSC-derived models	Junior PI	No
1990387	KRENN, VERONICA	Università degli Studi di MILANO-BICOCCA	24-GEDM-PILOT	Dissecting TGF-β1 Signaling and Microglia-Organoid Co-Culture Dynamics Using TGFB2-Knockout hPSCs	Junior PI	No
1990606	DIVITO, CLARA	Istituto Clinico Humanitas - Rozzano (Milano)	24-G-PILOT	Disclosing the role of NKG2A checkpoint in regulating human NK cell differentiation and licensing in vivo	Junior PI	No
1990614	CAMPA, DANIELE	Università di PISA	24-G-PILOT	Discovering the genetic architecture of pancreatic cancer through whole genome sequencing	Established PI	No
1990835	ACHILLI, ALESSANDRO	Università degli Studi di PAVIA	24-G-PILOT	ArchaeoGenita: Archaeogenomics of Italy	Established PI	No
1991653	ROTI, GIOVANNI	Università degli Studi di PARMA	24-G-PILOT	Single cells multimomics ATLAS of Early T-cell Acute Lymphoblastic Leukemia	Established PI	No
1992240	RONCHI, DARIO	Fondazione Ca'Granda - Ospedale Maggiore Policlinico - Milano	24-G-PILOT	Comprehensive Genomic Analysis of Undiagnosed Muscular Disorders: From Novel Variants to Disease Mechanisms	Established PI	No
1992738	LAZZARI, SARA	Ospedale Casa Sollievo della Sofferenza - San Giovanni Rotondo (FG)	24-GEDM-PILOT	GLUT1 Dysregulation: From Mechanisms to Clinical Implications	Junior PI	No
1994496	MATTOSCO, DOMENICO	Università degli Studi "G. d'Annunzio" CHIETI-PESCARA	24-G-PILOT	UNDERSTANDING THE ROLE OF PLATELET-CD8 IN CYSTIC FIBROSIS LUNG INFLAMMATION	Junior PI	No
1994766	MUSCO, GIOVANNA	IRCCS Ospedale San Raffaele - Milano	24-SB-PILOT	Kinetics and Thermodynamics of HMG81-CXCL12-CXCR4 ternary complex	Established PI	Yes
1995431	NG, KIU YAN CHARLOTTE	HUMANITAS University	24-G-PILOT	Investigating Metastatic Progression from Primary Colorectal Cancer to Liver Metastasis	Junior PI	No
1996951	COSTANZO, VINCENZO	Università degli Studi di MILANO	24-SB-PILOT	Understanding the molecular mechanisms of homologous recombination proteins in DNA abasic sites recognition, protection and repair	Established PI	Yes
1997301	CAPRA, EMANUELE	Consiglio Nazionale delle Ricerche (CNR) - Istituto di Biologia e Biotecnologia Agraria	24-LI-PILOT	Epigenetic profiling of bovine sperm cell through flow cytometry sorting	Established PI	Yes
1998517	COMI, GIACOMO PIETRO	Fondazione Ca'Granda - Ospedale Maggiore Policlinico - Milano	24-G-PILOT	Decoding Disease Heterogeneity in Becker Muscular Dystrophy: A Multi-Spatial-Omics Analysis for Therapeutic Target Discovery and Patient Stratification	Established PI	No
1998690	SEMINO, ORNELLA	Università degli Studi di PAVIA	24-G-PILOT	Exploring human genomic diversity across sub-Saharan Africa, the Middle East, and the Mediterranean Basin to unveil Northern African history	Established PI	No
1999044	DEMICHIELIS, FRANCESCA	Università degli Studi di TRENTO	24-SB-PILOT	Cryo-electron microscopy analysis of extracellular vesicles from the plasma of prostate cancer patients with differential response to enzalutamide	Established PI	No
2000583	ALBORESI, ALESSANDRO	Università degli Studi di PADOVA	24-G-PILOT	FLAMoTo - Flavodiron Proteins from Moss in Tobacco: Expression and Signaling Analysis	Established PI	No
2000769	GUARDAVIACCARO, DANIELE	Università degli Studi di VERONA	24-SB-PILOT	Biomass production and purification of two ubiquitin E3 ligases, RNF32 and HECW1	Established PI	No
2001733	RONCARATI, DAVIDE	Alma Mater Studiorum - Università di BOLOGNA	24-G-PILOT	Integrated study of bacterial OMV-RNAs role as inter-kingdom messengers driving host-pathogen interaction outcomes - COMVeance	Junior PI	No
2002176	CONDORELLI, GIANLUIGI	HUMANITAS University	24-G-PILOT	Identification of hallmarks of myocardial aging: a single cell RNA approach	Established PI	No
2002559	GIANNELLI, GIANLUIGI	Ente Ospedaliero specializzato in gastroenterologia Saverio De Bellis - Castellana Grotte (BA)	24-G-PILOT	Study on the integration of single-cell transcriptomic profiles to identify novel predictive biomarkers for perioperative treatment in Gastroesophageal Adenocarcinomas	Established PI	No

2002670	TRIVELLIN, GIAMPAOLO	HUMANITAS University	24-GEDM-PILOT	Deciphering molecular and phenotypic alterations in X-Linked Acrogigantism through human iPSC-derived 3D pituitary cultures	Junior PI	No
2002732	PASINI, DIEGO	IEO - Istituto Europeo di Oncologia - Milano	24-SB-PILOT	BIOCHEMICAL CHARACTERIZATION OF PRC1 SUBCOMPLEXES	Established PI	No
2003273	LUGLI, ENRICO	Istituto Clinico Humanitas - Rozzano (Milano)	24-G-PILOT	The tumor microenvironment at the single cell level and the risk of early relapse in non-small cell lung cancer	Established PI	No
2003944	MAZZA, MASSIMILIANO	Istituto scientifico romagnolo per lo studio e la cura dei tumori - Meldola (FC)	24-SB-PILOT	PACECOR: Pre-targeting ACE2-binding of CORonavirus	Established PI	No
2004077	RENI, MICHELE	IRCCS Ospedale San Raffaele - Milano	24-LI-PILOT	Systemic maintenance with Cyclophosphamide Associated or not to Vinorelbine after induction chemotherapy in metastatic Pancreatic Ductal Adenocarcinoma (PDAC) to Enhance tumor Growth Eradication (SCAVENGER - PACT-35 trial): rationale and clinical trial design	Established PI	Yes
2004143	CATTANEO, ELENA	Università degli Studi di MILANO	24-G-PILOT	MAPPING SPATIAL PATTERNS OF TRANSCRIPTIONAL DYSREGULATION DURING BRAIN DEVELOPMENT IN HUNTINGTON'S DISEASE MICE	Established PI	No
2004301	CORTI, STEFANIA PAOLA	Fondazione Ca'Granda - Ospedale Maggiore Policlinico - Milano	24-G-PILOT	Spatial Multi-omics Analysis of Neural Stem Cell-Based Therapy in ALS/FTD Chimeric Organoids: Decoding Disease-Modifying Mechanisms and Non-Cell Autonomous Death	Established PI	No
2004310	BELLIN, MILENA	Università degli Studi di PADOVA	24-G-PILOT	MASTERMIND: Human cardiac microtissues to capture epigenetic and transcriptomic modifications in cardiomyopathies	Established PI	No
2004390	MAZZETTI, SAMANTA	Fondazione Istituto Neurologico Carlo Besta - Milano	24-LI-PILOT	INNOVATIVE APPROACHES TO QUANTIFY AN ESTABLISHED BIOMARKER: AI APPLIED TO PHOSPHORYLATED-ALPHA-SYNUCLEIN IN SKIN BIOPSY	Junior PI	Yes
2006403	CHIABRANDO, DEBORAH	Università degli Studi di TORINO	24-GEDM-PILOT	Generation of a cellular model to study the function of FLVCR1 in human brain development	Junior PI	No
2008206	KALLIKOURDIS, MARINOS	Istituto Clinico Humanitas - Rozzano (Milano)	24-G-PILOT	TCR sequencing of Pre-Eclampsia patient T cells in the context of a study of autoimmune components of the disease	Established PI	No
2008641	EPIS, SARA	Università degli Studi di MILANO	24-G-PILOT	Genomic insights into the spread of the alien and invasive mosquito Aedes koreicus	Established PI	No
2009390	FANTIN, ALESSANDRO	Università degli Studi di MILANO	24-G-PILOT	Dissecting the role of tumor-associated macrophages in breast cancer angiogenesis	Established PI	No
2009821	CORTESE, MIKO	Università degli Studi della Campania "Luigi Vanvitelli"	24-DHA-PILOT	Establishment of a cell-based platform to identify inhibitors of viral replication organelles formation	Junior PI	No
2011257	BAGNI, CLAUDIA	University of Rome Tor Vergata	24-LI-PILOT	High-resolution Spine Morphology Analysis and FMRP brain distribution upon mRNA Therapy	Established PI	Yes
2011399	RESCIGNO, MARIA	HUMANITAS University	24-G-PILOT	Tracing Gut-Brain Immune Connectivity: A Single-Cell Atlas of Choroid Plexus Modulation upon Immunization and Microbial Challenge	Established PI	No
2011410	MAZZARELLA, LUCA	IEO - Istituto Europeo di Oncologia - Milano	24-SB-PILOT	Characterization of the NFL1 role in microtubule dynamics through Cryo-EM and Crosslinking-Mass Spec: rediscovering a tumor suppressor	Junior PI	Yes