

Graduatoria GR-TE Bando RF2021

Rank	MDC	Codice progetto	Tipologia ricerca	Destinatario Istituzionale	Titolo progetto	Valid Score	Budget Richiesto	Budget Residuo
1	Neurologia E Psichiatria	GR-2021-12373993	Theory-enhancing	MONDINO	EXPLORING BRAIN MOLECULAR IMAGING AND BLOOD BIOMARKERS IN SUBJECTS WITH GLUCOCEREBROSIDASE MUTATIONS: TOWARD A PRECISION MEDICINE APPROACH TO CHARACTERIZE PARKINSON'S DISEASE CLINICAL TRAJECTORIES	<b>7,00</b>	450.000,00 €	25.790.873,76 €
2	Ematologia e Immunologia	GR-2021-12374094	Theory-enhancing	SAN RAFFAELE MILANO	Targeting pathogenic inflammation in pancreatic cancer	<b>7,00</b>	450.000,00 €	25.340.873,76 €
3	Neurologia E Psichiatria	GR-2021-12373876	Theory-enhancing	HUMANITAS	Role of Pentraxin 3 in prenatal inflammation on foetal neurodevelopment and increased risk of neurodevelopmental disorders.	<b>7,50</b>	450.000,00 €	24.890.873,76 €

4	Malattie Infettive	GR-2021-12372615	Theory-enhancing	Toscana	Dynamics of T and B cell responses to SARS-CoV-2 and cross-protection against variants of concern	<b>7,50</b>	450.000,00 €	24.440.873,76 €
5	Oncologia	GR-2021-12372771	Theory-enhancing	FONDAZIONE GEMELLI	Pharmacological reactivation of the protein phosphatase PP2A as a novel therapy for gynecological cancers	<b>7,50</b>	450.000,00 €	23.990.873,76 €
6	Neurologia E Psichiatria	GR-2021-12373337	Theory-enhancing	NEUROMED	Targeting the gut dysbiosis to treat inflammation-driven synaptopathy in multiple sclerosis	<b>8,00</b>	450.000,00 €	23.540.873,76 €
7	Veterinaria	GR-2021-12373543	Theory-enhancing	IZSPLV	The steroid biological signature in cattle: an holistic approach to strengthen doping monitoring through innovative multi-omics big data integration.	<b>8,00</b>	450.000,00 €	23.090.873,76 €

8	Neurologia E Psichiatria	GR-2021-12372863	Theory-enhancing	Associazione Oasi Maria SS	Translational correlates of multimodal electrophysiological markers of disease process in REM Sleep Behavior Disorder (RBD) and its progression into neurodegenerative disorders: diagnostic hints and therapeutic implications	<b>8,50</b>	400.000,00 €	22.690.873,76 €
9	Neurologia E Psichiatria	GR-2021-12372698	Theory-enhancing	SAN RAFFAELE MILANO	Novel gene therapy platform for $\alpha$ on demand $\alpha$ release of therapeutic cytokines for Parkinson $\alpha$ s disease.	<b>8,50</b>	450.000,00 €	22.240.873,76 €
10	Neurologia E Psichiatria	GR-2021-12374851	Theory-enhancing	SAN RAFFAELE MILANO	Discovering the functional role of the glymphatic system in the genesis of the migraine attack	<b>8,50</b>	450.000,00 €	21.790.873,76 €
11	Cardiologia-Pneumologia	GR-2021-12374492	Theory-enhancing	MARIO NEGRI	Microvascular thrombosis and inflammation induced by SARS-CoV-2 infection: the complement system as a novel target for therapy in COVID-19	<b>9,00</b>	320.000,00 €	21.470.873,76 €

12	Ortopedia	GR-2021-12372257	Theory-enhancing	RIZZOLI	THE VERTEBRAL BONE MARROW CLOT AS AUTOLOGOUS CELL-THERAPY AND MULTIFUNCTIONAL BIO-SCAFFOLD TARGETING THE KEY CHALLENGES FOR SPINAL FUSION SURGERY - MORE_ FOR_SPINE	<b>9,00</b>	426.800,00 €	21.044.073,76 €
13	Neurologia E Psichiatria	GR-2021-12372019	Theory-enhancing	CARLO BESTA	Exploring the olfactory mucosa, blood and urine for the identification of early biomarkers of Parkinson's disease, atypical parkinsonisms and neurocognitive disorders due to Lewy body disease	<b>9,00</b>	450.000,00 €	20.594.073,76 €
14	Oncologia	GR-2021-12373325	Theory-enhancing	Ospedale Policlinico San Martino	Evaluation of new therapies for brain tumor: trained immunity and oncolytic virotherapy targeting EGFRvIII driven glioblastoma	<b>9,00</b>	450.000,00 €	20.144.073,76 €
15	Neurologia E Psichiatria	GR-2021-12372966	Theory-enhancing	GASLINI	GLUT-1 DEFICIENCY: NEW THERAPEUTIC STRATEGIES TO INCREASE GLUCOSE TRANSPORT ACROSS THE BLOOD BRAIN BARRIER	<b>9,50</b>	420.000,00 €	19.724.073,76 €

16	Neurologia E Psichiatria	GR-2021-12374046	Theory-enhancing	SAN RAFFAELE MILANO	Astrocyte functions in the regulation of copper trafficking in multiple sclerosis	<b>9,50</b>	450.000,00 €	19.274.073,76 €
17	Geriatrics	GR-2021-12374128	Theory-enhancing	MARIO NEGRI	Hippuric acid as a marker of frailty: characterization of the causative role of diet and gut microbiota in Italian older adults longitudinal population	<b>9,50</b>	450.000,00 €	18.824.073,76 €
18	Neurologia E Psichiatria	GR-2021-12374436	Theory-enhancing	MONDINO	From healthy aging to dementia: study of RNA metabolism, DNA methylation, extracellular vesicles and Neurofilament chains.	<b>10,00</b>	450.000,00 €	18.374.073,76 €
19	Oncologia	GR-2021-12374878	Theory-enhancing	HUMANITAS	Architectural landscape and molecular regulation of hyperactivated regulatory T (Treg) cells in human intrahepatic cholangiocarcinoma (iCCA)	<b>10,00</b>	450.000,00 €	17.924.073,76 €

20	Neurologia E Psichiatria	GR-2021-12372680	Theory-enhancing	Istituto Superiore di Sanita'	Exploring the interplay among expression of endogenous retroviruses, immune dysregulation and behavioral alterations in Autism Spectrum Disorder: from animal models to human in vitro studies	<b>10,00</b>	435.000,00 €	17.489.073,76 €
21	Endocrinologia	GR-2021-12374645	Theory-enhancing	Lazio	Dissecting the contribution of the Dipeptidyl peptidase 3 in type 2 Diabetes-induced Osteopathy and its predictive ability to estimate FRActure risk: DOFRA study	<b>10,00</b>	450.000,00 €	17.039.073,76 €
22	Nefrologia e Urologia	GR-2021-12374235	Theory-enhancing	Lombardia	A digital pathology platform for molecular onconeurology: the PROFOUND project	<b>10,00</b>	450.000,00 €	16.589.073,76 €
23	Neurologia E Psichiatria	GR-2021-12372429	Theory-enhancing	MONDINO	Unraveling the Spectrum of migraine resistant to treatments: searching for novel biological PHEnotypes and theRApeutic approaches (SPHERA project)	<b>10,00</b>	422.000,00 €	16.167.073,76 €

24	Gastroenterologia	GR-2021-12374664	Theory-enhancing	Veneto	Histone acetylation/deacetylation changes in patients with inflammatory bowel diseases treated with biological therapies	<b>10,00</b>	339.000,00 €	15.828.073,76 €
25	Neurologia E Psichiatria	GR-2021-12373657	Theory-enhancing	FONDAZIONE GEMELLI	LEVERAGING GENETICALLY ENCODED ENGINEERED PROTEINS FOR NEXT-GENERATION ALZHEIMER'S THERAPEUTICS	<b>10,50</b>	447.700,00 €	15.380.373,76 €
26	Cardiologia-Pneumologia	GR-2021-12371950	Theory-enhancing	MONZINO	Study of alphaV integrin role in the pathogenesis of thoracic aortic aneurysm in Marfan syndrome	<b>10,50</b>	450.000,00 €	14.930.373,76 €
27	Neurologia E Psichiatria	GR-2021-12372306	Theory-enhancing	FONDAZIONE GEMELLI	Exploring biomarkers in hereditary transthyretin amyloidosis: from clinical severity assessment to new disease mechanisms	<b>10,50</b>	430.000,00 €	14.500.373,76 €

28	Neurologia E Psichiatria	GR-2021-12373376	Theory-enhancing	FONDAZIONE GEMELLI	Exploring novel molecular determinants of Dravet syndrome phenotype heterogeneity	<b>10,50</b>	450.000,00 €	14.050.373,76 €
29	Dermatologia	GR-2021-12373884	Theory-enhancing	ISTITUTO DERMOPATICO DELL'IMMACOLATA	Study of the role of the extracellular nicotinamide phosphoribosyltransferase (eNAMPT) in the pathogenic networks underlying psoriasis and the comorbid condition of obesity	<b>10,50</b>	450.000,00 €	13.600.373,76 €
30	Oncologia	GR-2021-12374415	Theory-enhancing	OSPEDALE BAMBINO GESU'	Targeting resistance to BET inhibitors to dissect and overcome fusion-addicted oncogenic enhancer adaptation mechanisms in pediatric PAX3-FOXO1 rhabdomyosarcoma	<b>10,50</b>	446.860,00 €	13.153.513,76 €
31	Diagnostica	GR-2021-12375397	Theory-enhancing	Veneto	An integrated Imaging platform based on <sup>23</sup> Na-MR for highly sensitive and non-invasive detection of hydrodynamic and inflammatory Edema (ImagiNaRE)	<b>11,00</b>	449.000,00 €	12.704.513,76 €



32	Neurologia E Psichiatria	GR-2021-12372536	Theory-enhancing	HUMANITAS	Investigating the role of Oligophrenin-1 sumoylation in the etiology and treatment of X-Linked Intellectual Disability.	<b>11,00</b>	450.000,00 €	12.254.513,76 €
33	Ematologia e Immunologia	GR-2021-12372172	Theory-enhancing	SAN RAFFAELE MILANO	Neuron-specific humoral and cellular immune correlates of structural and functional brain connectomics in neuropsychiatric lupus	<b>11,00</b>	450.000,00 €	11.804.513,76 €
34	Gastroenterologia	GR-2021-12372165	Theory-enhancing	FONDAZIONE GEMELLI	Evaluation of the performance of direct portal pressure measurement by endoscopic ultrasound in a large cohort of patients with advanced chronic liver disease of different etiologies and newly diagnosed clinically significant portal hypertension.	<b>11,00</b>	430.000,00 €	11.374.513,76 €
35	Neurologia E Psichiatria	GR-2021-12375527	Theory-enhancing	Toscana	NEURO-CHECKMATE. A multidimensional approach for a better diagnosis and management of patients with neurological events following immune checkpoint inhibitors: defining predictive clinical and immunological biomarkers.	<b>11,00</b>	440.000,00 €	10.934.513,76 €

36	Neurologia E Psichiatria	GR-2021-12373134	Theory-enhancing	Istituto Scienze Neurologiche	Autoimmune Dementia: predictors of neuronal synaptic antibodies in patients with new-ONset cognitive Impairment and their relevance in non-encephalitic formS. The ADONIS Study	<b>11,00</b>	450.000,00 €	10.484.513,76 €
37	Pediatria	GR-2021-12374579	Theory-enhancing	FONDAZIONE GEMELLI	MAP THE SMA: a Machine-learning based Algorithm to Predict THERapeutic response in Spinal Muscular Atrophy	<b>11,50</b>	450.000,00 €	10.034.513,76 €
38	Oncologia	GR-2021-12374957	Theory-enhancing	Piemonte	NF-kB positively regulates Fatty Acid Oxidation in cancer cells, which hinders CD8+ T lymphocytes and promotes tumor progression	<b>11,50</b>	305.000,00 €	9.729.513,76 €
39	Veterinaria	GR-2021-12373930	Theory-enhancing	IZSSI	Uncontrolled growth of wild ungulates in Sicily: is the environment-ticks-zoonotic pathogens balance still guaranteed?	<b>11,50</b>	330.000,00 €	9.399.513,76 €

40	Pediatria	GR-2021-12375473	Theory-enhancing	MAGGIORE	Necrotizing enterocolitis: investigating the preventive and therapeutic potential of postbiotics and human bone marrow-derived mesenchymal stem cells in a neonatal mouse model.	<b>11,50</b>	450.000,00 €	8.949.513,76 €
41	Neurologia E Psichiatria	GR-2021-12374630	Theory-enhancing	Ospedale Policlinico San Martino	Therapeutic application of novel membrane-targeted photoactive neuronal modulators for the treatment of retinal dystrophies.	<b>11,50</b>	300.000,00 €	8.649.513,76 €
42	Oncologia	GR-2021-12374267	Theory-enhancing	C.R.O. AVIANO	The theranostic value of STARD3 in colorectal cancer	<b>11,50</b>	380.000,00 €	8.269.513,76 €
43	Pediatria	GR-2021-12375102	Theory-enhancing	MEDEA	Gene x environment interplay in developmental dyslexia treatment: A round-trip translation between humans and animal	<b>11,50</b>	450.000,00 €	7.819.513,76 €

44	Neurologia E Psichiatria	GR-2021-12372494	Theory-enhancing	S. CAMILLO	Unravelling the role of astrocyte-mediated phagocytosis in brain tumors	<b>11,50</b>	450.000,00 €	7.369.513,76 €
45	Neurologia E Psichiatria	GR-2021-12372323	Theory-enhancing	NEUROMED	Targeting the motor cortex in Parkinson's disease by gamma-transcranial alternating current stimulation: pathophysiological and therapeutic implications	<b>12,00</b>	370.000,00 €	6.999.513,76 €
46	Oncologia	GR-2021-12372877	Theory-enhancing	Istituto Scientifico Romagnolo	Nanotechnology-based Platforms for the improvEment of therapeutic strateGies in soft tissue sArcoma and melanoma leSiOns (PEGASO)	<b>12,00</b>	450.000,00 €	6.549.513,76 €
47	Geriatrics	GR-2021-12375341	Theory-enhancing	NEUROMED	Exploring the role of inflammaging in age-related psychiatric conditions: building bridges among nutrition, inflammasome, cognitive and mood decline	<b>12,00</b>	450.000,00 €	6.099.513,76 €

48	Ematologia e Immunologia	GR-2021-12374166	Theory-enhancing	HUMANITAS	Phenotypic and molecular characterization of innate lymphoid cells in Myelodysplastic syndromes: towards the comprehension of their role in disease etiology and prognosis	<b>12,00</b>	450.000,00 €	5.649.513,76 €
49	Oncologia	GR-2021-12375316	Theory-enhancing	Istituto Oncologico Candiolo	Investigating the mitotic checkpoint in patient-derived models for effective (immuno)therapy against colorectal cancer	<b>12,00</b>	450.000,00 €	5.199.513,76 €
50	Neurologia E Psichiatria	GR-2021-12374049	Theory-enhancing	Istituto Scienze Neurologiche	Long-term outcomes of shunt surgery for Normal Pressure Hydrocephalus: looking for clinical, neuroradiological and biochemical markers as prognostic predictors	<b>12,00</b>	314.820,00 €	4.884.693,76 €
51	Ematologia e Immunologia	GR-2021-12374097	Theory-enhancing	MAGGIORE	Developing improved vaccine adjuvants for the generation of long-lasting immunity (ALLY)	<b>12,00</b>	450.000,00 €	4.434.693,76 €

52	Neurologia E Psichiatria	GR-2021-12372496	Theory-enhancing	NEUROMED	Role of perineuronal nets in molecular and cellular mechanisms underlying nociceptive sensitization in mouse models of neuropathic pain.	<b>12,00</b>	299.000,00 €	4.135.693,76 €
53	Veterinaria	GR-2021-12375051	Theory-enhancing	IZSUM	Cyanotoxins in freshwater and marine ecosystems: toxins' identification, biological effects, trophic transfer and risk for the human health (CYANOBIO)	<b>12,00</b>	305.000,00 €	3.830.693,76 €
54	Riabilitazione	GR-2021-12375174	Theory-enhancing	SAN RAFFAELE PISANA	Persistent pain in pharmacologically or surgically treated osteoarthritis: the role of the Mu-Lympho-Marker as a candidate innovative diagnostic tool.	<b>12,00</b>	450.000,00 €	3.380.693,76 €
55	Neurologia E Psichiatria	GR-2021-12373348	Theory-enhancing	MONDINO	A drug repositioning approach for the discovery of Lamin B1 regulators: towards a treatment for adult-onset Autosomal Dominant LeukoDystrophy (ADLD)	<b>12,50</b>	450.000,00 €	2.930.693,76 €

56	Diagnostica	GR-2021-12373308	Theory-enhancing	Emilia-Romagna	A new diagnostic algorithm to non-invasively track fibrotic changes in myeloproliferative neoplasms based on C-C Chemokine Receptor 2 detection. From flow cytometry to the development of targeted Positron Emission Tomography molecular imaging. Pre-clinical studies and first in-human proof of concept.	<b>12,50</b>	430.000,00 €	2.500.693,76 €
57	Veterinaria	GR-2021-12374932	Theory-enhancing	IZSPLV	Public health issues associated to wildlife in North Italy: One Health approach	<b>12,50</b>	415.000,00 €	2.085.693,76 €
58	Ostetricia e Ginecologia	GR-2021-12374894	Theory-enhancing	FONDAZIONE GEMELLI	Validation of a three-gene signature predictive of response to neoadjuvant chemoradiotherapy in cervical cancer	<b>12,50</b>	427.100,00 €	1.658.593,76 €
59	Neurologia E Psichiatria	GR-2021-12374594	Theory-enhancing	Marche	The PRognosis Of Status Epilepticus: exploring the role of NeuroDegeneration and Inflammation on Chronic outcome (PREDICT)	<b>12,50</b>	400.000,00 €	1.258.593,76 €

60	Ematologia e Immunologia	GR-2021-12372864	Theory-enhancing	Emilia-Romagna	Exploring the role of Notch2 in mediating drug resistance in Chronic Lymphocytic Leukemia	<b>12,50</b>	318.000,00 €	940.593,76 €
61	Oncologia	GR-2021-12373198	Theory-enhancing	Toscana	Clinical testing of augmented reality navigation for brain tumor surgery.	<b>12,50</b>	450.000,00 €	490.593,76 €
62	Neurologia E Psichiatria	GR-2021-12373946	Theory-enhancing	Istituto Superiore di Sanita'	Primary astrocyte defects in MLC leukodystrophy: searching for shared pathological mechanisms of myelin degeneration in astrocytopathies	<b>12,50</b>	295.000,00 €	195.593,76 €
63	Pediatria	GR-2021-12373341	Theory-enhancing	GASLINI	Dissecting the synaptic phenotypes of Rett syndrome and related disorders	<b>13,00</b>	425.000,00 €	NON FINANZIATO



64	Oncologia	GR-2021-12371949	Theory-enhancing	MARIO NEGRI	AT THE CROSSROAD BETWEEN CANCER AND AGING: MIRNA MIMICS-BASED STRATEGIES TO REVERT THE MALIGNANT EPIGENETIC REJUVENATION OF ENDOCRINE-RELATED TUMORS.	<b>13,00</b>	450.000,00 €	NON FINANZIATO
65	Ematologia e Immunologia	GR-2021-12373641	Theory-enhancing	Istituto Oncologico Candiolo	Development of a high-throughput CRISPR/Cas12a platform for in vivo discovery of immunotherapy targets	<b>13,00</b>	450.000,00 €	NON FINANZIATO
66	Oncologia	GR-2021-12374891	Theory-enhancing	Toscana	SIAMESE: Sensorized Instruments for Advanced Manipulation in Endoscopic Surgical Environments	<b>13,00</b>	450.000,00 €	NON FINANZIATO
67	Pediatria	GR-2021-12372390	Theory-enhancing	FONDAZIONE GEMELLI	CLINICAL AND IMMUNOLOGICAL MECHANISMS OF LONG COVID SYNDROME AMONG CHILDREN AND CROSS-VARIANT IMMUNITY INDUCED BY VACCINATION OR INFECTION	<b>13,00</b>	450.000,00 €	NON FINANZIATO

68	Neurologia E Psichiatria	GR-2021-12372910	Theory-enhancing	Lombardia	Combining high-density EEG with cortical stimulation and intracerebral recordings to identify the epileptogenic zone in patients with refractory epilepsy: improving diagnosis to reduce surgical costs and increase treatment efficacy	13,00	449.500,00 €	NON FINANZIATO
69	Nefrologia e Urologia	GR-2021-12373919	Theory-enhancing	MARIO NEGRI	The molecular mechanisms underlying complement dysregulation by nephritic factors in C3 Glomerulopathy (C3G) and Immune Complex-mediated Membranoproliferative Glomerulonephritis (IC-MPGN) and their impact on treatment	13,00	180.000,00 €	NON FINANZIATO
70	Ematologia e Immunologia	GR-2021-12372943	Theory-enhancing	SAN RAFFAELE MILANO	Triggering antitumor immunity through the CXCR4 receptor	13,00	450.000,00 €	NON FINANZIATO
71	Ematologia e Immunologia	GR-2021-12371924	Theory-enhancing	OSPEDALE BAMBINO GESU'	Managing hematopoietic stem cell (HSC) transplantation recipients with glucocorticoids: impact on HSC differentiation trajectory towards Innate Lymphoid Cells and clinical consequences	13,00	450.000,00 €	NON FINANZIATO

72	Oncologia	GR-2021-12372883	Theory-enhancing	SAN RAFFAELE MILANO	Kidney metabolism as a possible target to reduce the somatic second hits responsible for cyst formation in Autosomal Dominant Polycystic Kidney Disease	<b>13,00</b>	450.000,00 €	NON FINANZIATO
73	Diagnostica	GR-2021-12373027	Theory-enhancing	Istituto Oncologico Candiolo	A radiopathomics artificial intelligent system to predict treatment outcomes of locally advanced rectal cancer: a multicenter study.	<b>13,50</b>	355.300,00 €	NON FINANZIATO
74	Diagnostica	GR-2021-12372069	Theory-enhancing	SAN MATTEO	ASAP: A Sepsis Advanced Predictor - Development of a real-time sepsis prediction framework based on machine learning and culture-free pathogen characterization	<b>13,50</b>	400.000,00 €	NON FINANZIATO
75	Cardiologia-Pneumologia	GR-2021-12372181	Theory-enhancing	Piemonte	MACHINE-LEARNING-BASED PREDICTION OF ISCHEMIC AND BLEEDING EVENTS FOLLOWING AN ACUTE CORONARY SYNDROME TO GUIDE SECONDARY PREVENTION TREATMENT STRATEGIES  The PRAISE-GUIDED-ACS-MANAGEMENT randomized clinical trial	<b>13,50</b>	450.000,00 €	NON FINANZIATO

76	Nefrologia e Urologia	GR-2021-12373871	Theory-enhancing	Campania	Early Biomarkers Of Obstructive congenital anomalies of the Kidney and urinary tract.	<b>13,50</b>	411.360,00 €	NON FINANZIATO
77	Neurologia E Psichiatria	GR-2021-12374272	Theory-enhancing	OSPEDALE BAMBINO GESU'	Biomarkers in children with Drug Resistant Epilepsy: dissecting the pathogenic role of oxidative stress and neuro-inflammation throughout the seizures. Correlations among biochemical, pharmacological and clinical measures.	<b>13,50</b>	444.000,00 €	NON FINANZIATO
78	Neurologia E Psichiatria	GR-2021-12372809	Theory-enhancing	HUMANITAS	Understanding the role of alternative splicing in generating novel epitopes in multiple sclerosis (ReASSess)	<b>14,00</b>	450.000,00 €	NON FINANZIATO
79	Cardiologia-Pneumologia	GR-2021-12372303	Theory-enhancing	MONZINO	Ca <sup>2+</sup> - handling dysfunction in Arrhythmogenic Cardiomyopathy: a translational therapeutic approach for target-based drug repurposing	<b>14,00</b>	447.430,00 €	NON FINANZIATO

80	Neurologia E Psichiatria	GR-2021-12372402	Theory-enhancing	Sicilia	Laboratory and Instrumental Predictors of Mild Cognitive Impairment in Parkinson's Disease: a data driven approach.  LabIn-PACOS	<b>14,00</b>	450.000,00 €	NON FINANZIATO
81	Malattie Infettive	GR-2021-12371967	Theory-enhancing	DON CALABRIA - NEGRAR	Discrimination of bacterial from non-bacterial acute febrile illness: circulating extracellular vesicles as novel early biomarkers	<b>14,00</b>	450.000,00 €	NON FINANZIATO
82	Oncologia	GR-2021-12374370	Theory-enhancing	SAN RAFFAELE MILANO	Cytokine-induced killer cells for the treatment of glioblastoma: a pre-clinical model to accelerate clinical translation	<b>14,00</b>	450.000,00 €	NON FINANZIATO
83	Oncologia	GR-2021-12373797	Theory-enhancing	I.O.V.	Universal CAR Modified off-the-shelf NK-92 cells for targeted therapy	<b>14,00</b>	448.900,00 €	NON FINANZIATO

84	Oncologia	GR-2021-12374153	Theory-enhancing	CROB	Patient-derived organoids and liquid biopsy to assess advanced gastric cancer neo-adjuvant therapy response	<b>14,00</b>	450.000,00 €	NON FINANZIATO
85	Ematologia e Immunologia	GR-2021-12372684	Theory-enhancing	OSPEDALE BAMBINO GESU'	Characterization of the complex inhibitory and differentiative pathways exerted by MDSC on the NK cell effector function	<b>14,00</b>	450.000,00 €	NON FINANZIATO
86	Cardiologia-Pneumologia	GR-2021-12372012	Theory-enhancing	MONZINO	Evaluation of CyPA/EMMPRIN axis as new target for thoracic aortic aneurysm in Marfan Syndrome patients	<b>14,00</b>	450.000,00 €	NON FINANZIATO
87	Ematologia e Immunologia	GR-2021-12373282	Theory-enhancing	SAN RAFFAELE MILANO	Circulating hematopoietic stem cells and T lymphocytes as key players in autologous transplant of gene-modified cells for the treatment of osteopetrosis	<b>14,00</b>	450.000,00 €	NON FINANZIATO

88	Neurologia E Psichiatria	GR-2021-12373022	Theory-enhancing	CARLO BESTA	Immune infiltrate: a novel perspective for personalized medicine in meningioma	<b>14,00</b>	203.940,00 €	NON FINANZIATO
89	Ematologia e Immunologia	GR-2021-12373612	Theory-enhancing	SAN RAFFAELE MILANO	Transposable elements reactivation and cell senescence as new molecular players in Dyskeratosis congenita	<b>14,50</b>	450.000,00 €	NON FINANZIATO
90	Ematologia e Immunologia	GR-2021-12373860	Theory-enhancing	SAN RAFFAELE MILANO	New insights in the treatment Systemic Lupus Erythematosus: from regulatory T cells to CAR-T Cell Strategies	<b>14,50</b>	450.000,00 €	NON FINANZIATO
91	Dermatologia	GR-2021-12374452	Theory-enhancing	Lazio	Exposome and risk of melanoma skin cancer in the Lazio Region: a cohort approach in an administrative and clinical-based population	<b>14,50</b>	300.000,00 €	NON FINANZIATO

92	Diagnostica	GR-2021-12372518	Theory-enhancing	RIZZOLI	MRI-based radiomics for predicting response to TNF inhibitors and digital synovial biopsy in rheumatoid arthritis.	<b>14,50</b>	430.000,00 €	NON FINANZIATO
93	Oncologia	GR-2021-12372272	Theory-enhancing	Istituto Scientifico Romagnolo	Predictive markers and signatures of response and autologous ex vivo 3D and zebrafish PDX therapy platform for acute myeloid leukemia patients receiving venetoclax and hypomethylating agents	<b>14,50</b>	450.000,00 €	NON FINANZIATO
94	Neurologia E Psichiatria	GR-2021-12375048	Theory-enhancing	I.N.R.C.A.	Understanding the risk of developing Alzheimer's disease in older patients hospitalized due to COVID-19: a prospective study	<b>14,50</b>	450.000,00 €	NON FINANZIATO
95	Ortopedia	GR-2021-12372084	Theory-enhancing	GALEAZZI	Next generation spheroid technology with low-density cultured chondrocytes expanded in platelet lysate (PCART) for the surgical treatment of large cartilage lesions	<b>14,50</b>	450.000,00 €	NON FINANZIATO



96	Cardiologia-Pneumologia	GR-2021-12372502	Theory-enhancing	HUMANITAS	Dissecting the Cardio-Inflammatory Mechanisms Driving Heart Failure with Preserved Ejection Fraction in Metabolic Stress: a Multi-Omic Approach	15,00	450.000,00 €	NON FINANZIATO
97	Neurologia E Psichiatria	GR-2021-12374043	Theory-enhancing	AUXOLOGICO	Neural mechanisms of aversive reactions in obesity: A translational study.	15,00	296.920,00 €	NON FINANZIATO
98	Neurologia E Psichiatria	GR-2021-12372948	Theory-enhancing	MAGGIORE	Human 3D spino-cerebellar assembloids: a new tool to study neurodegenerative disorders due to ATXN2 expansion	15,00	450.000,00 €	NON FINANZIATO
99	Trapiantologia	GR-2021-12373067	Theory-enhancing	MAGGIORE	Development of an innovative modular Ex-Vivo Lung Perfusion (EVLV) platform for long-term conservation and recovery of marginal organs: animal experiments and preliminary human tests.	15,00	450.000,00 €	NON FINANZIATO

100	Riabilitazione	GR-2021-12372797	Theory-enhancing	DON GNOCCHI	A multidisciplinary pilot study for the identification of new biomolecular markers to evaluate the responsiveness to motor rehabilitation in people with Parkinson's disease (BI-MORE)	<b>15,00</b>	450.000,00 €	NON FINANZIATO
101	Oncologia	GR-2021-12373624	Theory-enhancing	SAN RAFFAELE MILANO	Deciphering the role of cancer stem cells in driving resistance to T cell receptor-based immunotherapies in recurrent epithelial ovarian cancer	<b>15,00</b>	450.000,00 €	NON FINANZIATO
102	Neurologia E Psichiatria	GR-2021-12372840	Theory-enhancing	DON GNOCCHI	NLRP3-inflammasome inhibition by Leishmania-derived factors in neuropathogenesis of Alzheimer's disease (AD): assessing molecular and therapeutic role in AD human and murine models.	<b>15,00</b>	450.000,00 €	NON FINANZIATO
103	Neurologia E Psichiatria	GR-2021-12372871	Theory-enhancing	Istituto Scienze Neurologiche	BIOMarking MITochondrial Encephalomyopathy lactic acidosis and Stroke-like episodes (MELAS) syndrome: natural history and acute events. BIOMITES Project	<b>15,00</b>	450.000,00 €	NON FINANZIATO

104	Gastroenterologia	GR-2021-12372409	Theory-enhancing	OSPEDALE BAMBINO GESU'	Immunological effect of food allergens in Eosinophilic Esophagitis: esophageal organoid model as a predictor of the nutritional approach.	<b>15,00</b>	450.000,00 €	NON FINANZIATO
105	Neurologia E Psichiatria	GR-2021-12374132	Theory-enhancing	Emilia-Romagna	Targeting auto/mitophagy pathway in Leber's hereditary optic neuropathy to counteract maternally inherited mtDNA mutations-dependent visual loss	<b>15,50</b>	380.000,00 €	NON FINANZIATO
106	Neurologia E Psichiatria	GR-2021-12374246	Theory-enhancing	MONDINO	"MEF-OMICS": Study of the causes of stillbirths with central nervous system anomalies by an integrated multi-omic approach	<b>15,50</b>	450.000,00 €	NON FINANZIATO
107	Oncologia	GR-2021-12373375	Theory-enhancing	Veneto	Tumor ablation breaks immune tolerance in pancreatic cancer patients - A phase II study	<b>15,50</b>	450.000,00 €	NON FINANZIATO

108	Oncologia	GR-2021-12375280	Theory-enhancing	Istituto Superiore di Sanita'	A deeper insight on melanin as new prognostic predictor for melanoma: relationship with gender, aggressiveness and response to therapies	<b>15,50</b>	446.500,00 €	NON FINANZIATO
109	Cardiologia-Pneumologia	GR-2021-12374742	Theory-enhancing	SAN DONATO	Identification of novel peripheral biomarkers for the diagnosis and the risk stratification of Brugada Syndrome.	<b>15,50</b>	447.700,00 €	NON FINANZIATO
110	Endocrinologia	GR-2021-12374023	Theory-enhancing	Calabria	Role of intestinal ER stress/FXR signaling in type 2 diabetes and cardiovascular disease	<b>15,50</b>	442.800,00 €	NON FINANZIATO
111	Ematologia e Immunologia	GR-2021-12372145	Theory-enhancing	HUMANITAS	ICARUS: an ImmunogenomiC Approach to define the relationship between the gut, RUnx3 and ankylosing Spondylitis	<b>16,00</b>	450.000,00 €	NON FINANZIATO

112	Cardiologia-Pneumologia	GR-2021-12373606	Theory-enhancing	MARIO NEGRI	Mitochondrial quality control as potential therapeutic target for heart and brain protection after cardiac arrest	<b>16,00</b>	450.000,00 €	NON FINANZIATO
113	Geriatrics	GR-2021-12374667	Theory-enhancing	Toscana	Clinical and biochemical markers of frailty and their interaction with cortical atrophy/white matter disease on Behavioural and Psychological Symptoms in Dementia (BPSD).	<b>16,00</b>	450.000,00 €	NON FINANZIATO
114	Oncologia	GR-2021-12373123	Theory-enhancing	FONDAZIONE GEMELLI	Role of CD147-mediated exosome-cell interaction in tumor microenvironment: from tumorigenesis to clinical setting	<b>16,00</b>	350.000,00 €	NON FINANZIATO
115	Dermatologia	GR-2021-12372474	Theory-enhancing	OSPEDALE BAMBINO GESU'	EPICs (EPIgenetic Changes) underpinning skin fibrosis: from pathogenetic mechanisms to novel therapeutic targets in recessive dystrophic epidermolysis bullosa as a disease model	<b>16,00</b>	398.000,00 €	NON FINANZIATO

116	Oncologia	GR-2021-12372713	Theory-enhancing	Istituto Oncologico Candiolo	Exploiting metabolic vulnerability of glutamine pathway in non-small cell lung cancer	<b>16,00</b>	240.000,00 €	NON FINANZIATO
117	Neurologia E Psichiatria	GR-2021-12374911	Theory-enhancing	FONDAZIONE GEMELLI	Identifying the role of neuroinflammation in synaptic plasticity alterations in Parkinson's disease: a translational approach	<b>16,00</b>	430.000,00 €	NON FINANZIATO
118	Oncologia	GR-2021-12373886	Theory-enhancing	Istituto Scientifico Romagnolo	ORIGAMI: PrOpagation of esophagogastric ciRculatinG tumor cells in an Autologous bioreactor for the investigation of their Metastatic behaviour and Interaction with immune cells	<b>16,00</b>	450.000,00 €	NON FINANZIATO
119	Endocrinologia	GR-2021-12373253	Theory-enhancing	Toscana	Recovery of beta-cell secretory function and remission of recent-onset diabetes through patient-tailored weight-loss interventions	<b>16,50</b>	450.000,00 €	NON FINANZIATO

120	Malattie Infettive	GR-2021-12372836	Theory-enhancing	SPALLANZANI	Host-directed therapies to fight lung infections in Cystic Fibrosis: Transglutaminase 2 dependent STING signalling a novel target to modulate the Interferon response	<b>16,50</b>	410.000,00 €	NON FINANZIATO
121	Oncologia	GR-2021-12372867	Theory-enhancing	REGINA ELENA	Can we learn about recurrence insurgence of head & neck cancer decoding genomic and transcriptomic changes at resection margin?	<b>16,50</b>	450.000,00 €	NON FINANZIATO
122	Ortopedia	GR-2021-12372201	Theory-enhancing	SAN DONATO	Pharmacological modulation of HIF-1a as a new therapeutical approach to counteract the loss of glycolytic fibers in sarcopenic patients.	<b>16,50</b>	312.270,00 €	NON FINANZIATO
123	Pediatria	GR-2021-12373244	Theory-enhancing	Lombardia	Improving treatment efficacy of acute lymphoblastic leukemic pediatric patients following hematopoietic stem cell transplantation using a novel high-throughput immune-monitoring and clonal tracking	<b>16,50</b>	450.000,00 €	NON FINANZIATO

124	Malattie Infettive	GR-2021-12374193	Theory-enhancing	SAN RAFFAELE MILANO	Soluble factors modulating mucosal HIV-1 transmission in human semen.	<b>16,50</b>	380.000,00 €	NON FINANZIATO
125	Gastroenterologia	GR-2021-12375240	Theory-enhancing	OSPEDALE BAMBINO GESU'	Urinary microRNAs as novel biomarkers to monitor the adherence to gluten-free diet in pediatric patients affected by celiac disease	<b>16,50</b>	447.700,00 €	NON FINANZIATO
126	Oncologia	GR-2021-12372047	Theory-enhancing	I.E.O.	Characterization of sex-based differences in the molecular mechanisms that govern anticancer immune-response and resistance to anti-PD1 treatment in advanced melanoma.	<b>16,50</b>	435.000,00 €	NON FINANZIATO
127	Diagnostica	GR-2021-12372293	Theory-enhancing	BURLO GAROFOLO	The role of natural Human Knockouts and deep clinical evaluation of Italian genetic isolated populations	<b>17,00</b>	400.000,00 €	NON FINANZIATO



128	Endocrinologia	GR-2021-12375010	Theory-enhancing	OSPEDALE BAMBINO GESU'	Study of direct and indirect factors affecting the increased incidence of type 1 Diabetes in children and adolescents during COVID-19 outbreak	17,00	450.000,00 €	NON FINANZIATO
129	Malattie Infettive	GR-2021-12373857	Theory-enhancing	SAN RAFFAELE MILANO	Innovative hybrid Next Generation Sequencing strategies to improve drug resistance surveillance and transmission monitoring of antimicrobial-resistant bacteria	17,00	450.000,00 €	NON FINANZIATO
130	Oncologia	GR-2021-12372119	Theory-enhancing	Toscana	DEPICKT: Defining EPIgenetic-based biomarkers of CDK4/6 inhibitors resistance and potential therapeutic Targets in advanced hormone receptor positive breast cancer.	17,00	450.000,00 €	NON FINANZIATO
131	Neurologia E Psichiatria	GR-2021-12373839	Theory-enhancing	FONDAZIONE GEMELLI	Effects of intranasal administration of amniotic mesenchymal stromal cell-derived exosomes on Alzheimer's disease	17,00	442.000,00 €	NON FINANZIATO

132	Oncologia	GR-2021-12374385	Theory-enhancing	PASCALE	Re-educating a dysfunctional Tumor Microenvironment for an innovative therapeutic approach in sarcoma	<b>17,00</b>	400.000,00 €	NON FINANZIATO
133	Oncologia	GR-2021-12373556	Theory-enhancing	Emilia-Romagna	Role of the mitochondrial permeability transition pore in the tumor transformation of malignant pleural mesothelioma	<b>17,00</b>	400.000,00 €	NON FINANZIATO
134	Oncologia	GR-2021-12372594	Theory-enhancing	AUSL RE Ist. Tecnologie Avanzate	Leveraging whole-transcriptome signature for prognostic prediction and drug repurposing in metastatic thyroid cancer	<b>17,00</b>	450.000,00 €	NON FINANZIATO
135	Diagnostica	GR-2021-12374121	Theory-enhancing	FONDAZIONE GEMELLI	Exploring novel biomarkers for amyotrophic lateral sclerosis: integrated application of multi-omics strategies	<b>17,00</b>	380.000,00 €	NON FINANZIATO

136	Oncologia	GR-2021-12372188	Theory-enhancing	ONCOLOGICO DI BARI	Resolving Diffuse Large B-cell Lymphoma heterogeneity by integrating 4D approach to identify early predictors of outcome and new therapeutic strategies	<b>17,00</b>	400.000,00 €	NON FINANZIATO
137	Oncologia	GR-2021-12373523	Theory-enhancing	CROB	Liquid biopsy in non-small-cell lung cancer: serum extracellular vesicles as novel predictive biomarkers for response to immunotherapy	<b>17,00</b>	350.000,00 €	NON FINANZIATO
138	Cardiologia-Pneumologia	GR-2021-12375151	Theory-enhancing	MAUGERI	Cardiovascular Sympathovagal modulation based on Sex: Biological male-female differences and the influence of Gender-Related Factors	<b>17,00</b>	378.250,00 €	NON FINANZIATO
139	Oncologia	GR-2021-12372517	Theory-enhancing	AUSL RE Ist. Tecnologie Avanzate	Natural Killer and B-lymphocyte cooperation in Triple Negative Breast Cancer: a turning point in neoadjuvant chemotherapy failure?	<b>17,00</b>	450.000,00 €	NON FINANZIATO

140	Diagnostica	GR-2021-12374569	Theory-enhancing	CASA SOLLIEVO SOFFERENZA	Improving the diagnostic yield of mitochondrial disorders by modelling and interpreting the functional effects of epistatic variants (DYMMIE-EV)	17,50	450.000,00 €	NON FINANZIATO
141	Neurologia E Psichiatria	GR-2021-12372605	Theory-enhancing	SANTA LUCIA	CELLULAR AND MOLECULAR NETWORKS INVOLVED IN THE MAINTENANCE OF NEUROMUSCULAR JUNCTION	17,50	450.000,00 €	NON FINANZIATO
142	Neurologia E Psichiatria	GR-2021-12372242	Theory-enhancing	CARLO BESTA	Unraveling the molecular bases of missing heritability: the role of STUB1 and protein quality control genes as digenic/modifying players in neurodegenerative disorders	17,50	450.000,00 €	NON FINANZIATO
143	Oncologia	GR-2021-12375382	Theory-enhancing	Ospedale Policlinico San Martino	Reproductive issues in young BRCA carriers with breast cancer	17,50	387.222,22 €	NON FINANZIATO

144	Oncologia	GR-2021-12373169	Theory-enhancing	Veneto	A novel integrated multi-omics tool for prognosis and response to treatment in pancreatic cancer	<b>17,50</b>	420.000,00 €	NON FINANZIATO
145	Gastroenterologia	GR-2021-12373607	Theory-enhancing	FONDAZIONE GEMELLI	GUT MICROENVIRONMENT AS REGULATOR OF AUTOIMMUNITY: A MULTI-OMICS APPROACH	<b>17,50</b>	450.000,00 €	NON FINANZIATO
146	Diagnostica	GR-2021-12374690	Theory-enhancing	Toscana	Towards an optimized treatment of interstitial lung disease patients: multiparametric differentiation between Inflammatory and fibrotic lung Involvement/progression	<b>17,50</b>	400.000,00 €	NON FINANZIATO
147	Ortopedia	GR-2021-12374978	Theory-enhancing	RIZZOLI	EXPLOITING THE EFFICACY OF ORTHOBIOLOGICAL ADJUVANTS FOR MENISCAL REGENERATION: FROM ADVANCED MODELS TO CLINICAL APPLICATION- ROMEO	<b>17,50</b>	387.800,00 €	NON FINANZIATO

148	Oncologia	GR-2021-12373030	Theory-enhancing	ISTITUTO TUMORI MILANO	BRAnched-chain amino acid sUpplementation plus fastiNg-mimiCking diet to improve the efficacy of platinum-based cHemotherapy in triple-negative breast cancer: the BRUNCH study	<b>18,00</b>	450.000,00 €	NON FINANZIATO
149	Neurologia E Psichiatria	GR-2021-12374761	Theory-enhancing	SAN RAFFAELE MILANO	MODULATING IMMEDIATE EARLY GENES TO IMPROVE SYNAPTIC CONNECTIVITY IN DEMENTIAS: FROM BASIC SCIENCE TO CLINICAL VALIDATION	<b>18,00</b>	450.000,00 €	NON FINANZIATO
150	Neurologia E Psichiatria	GR-2021-12372280	Theory-enhancing	SAN RAFFAELE MILANO	The additive effect of ketamine in combination with electroconvulsive stimulation (ECS) in major depressive disorder (MDD): a translational study	<b>18,00</b>	450.000,00 €	NON FINANZIATO
151	Neurologia E Psichiatria	GR-2021-12375156	Theory-enhancing	SAN RAFFAELE MILANO	Integration of multimodal "omics" data for the definition of pathways of pathology progression in the ALS/FTD spectrum	<b>18,00</b>	450.000,00 €	NON FINANZIATO

152	Neurologia E Psichiatria	GR-2021-12372271	Theory-enhancing	HUMANITAS	IDENTIFICATION OF A NOVEL NON-PHARMACOLOGICAL THERAPEUTIC STRATEGY FOR PTSD	<b>18,00</b>	450.000,00 €	NON FINANZIATO
153	Pediatria	GR-2021-12374629	Theory-enhancing	SAN MATTEO	Paediatric testicular prostheses are safe? An immunological and clinical point of view	<b>18,00</b>	450.000,00 €	NON FINANZIATO
154	Gastroenterologia	GR-2021-12374201	Theory-enhancing	FONDAZIONE GEMELLI	CIRCULAR DNA AS PREDICTIVE MARKER OF RESPONSE TO FECAL MICROBIOTA TRANSPLANTATION IN ULCERATIVE COLITIS	<b>18,00</b>	450.000,00 €	NON FINANZIATO
155	Oncologia	GR-2021-12372561	Theory-enhancing	ISTITUTO TUMORI MILANO	Assessment of mechanisms of resistance to Trastuzumab-deruxtecan in HER2-positive gastric cancer: implications for combinatorial therapeutic options	<b>18,00</b>	443.000,00 €	NON FINANZIATO

156	Oncologia	GR-2021-12372798	Theory-enhancing	C.R.O. AVIANO	Clonal evolution and plasticity of CD49d-expressing chronic lymphocytic leukemia cells using Artificial Intelligence: novel insight of clinical relevance	<b>18,00</b>	450.000,00 €	NON FINANZIATO
157	Neurologia E Psichiatria	GR-2021-12372286	Theory-enhancing	FONDAZIONE GEMELLI	Development of Artificial Intelligence-powered prediction models of disease progression in facioscapulohumeral muscular dystrophy: DEAL-FSHD	<b>18,00</b>	378.400,00 €	NON FINANZIATO
158	Oncologia	GR-2021-12374411	Theory-enhancing	Toscana	Multiomic approach integrated with artificial intelligence for the optimal management of oncogene addicted, drug resistant NSCLC	<b>18,50</b>	450.000,00 €	NON FINANZIATO
159	Neurologia E Psichiatria	GR-2021-12373280	Theory-enhancing	GALEAZZI	Impact of acute orthopedic injuries and cardiovascular events in frail old people: a study of the efficacy of a novel personalized neuropsychological and motor training to prevent the decay of Functional Integrity and long-term institutionalization	<b>18,50</b>	405.000,00 €	NON FINANZIATO



160	Oncologia	GR-2021-12374171	Theory-enhancing	REGINA ELENA	Generation of human breast cancer metastases organoids to unveil driver genes and effective treatments	<b>18,50</b>	400.000,00 €	NON FINANZIATO
161	Malattie Infettive	GR-2021-12372350	Theory-enhancing	Toscana	Latent parasitic infections in patients with drug-induced immunosuppression: improving microbiological and immunological tools to prevent risk of reactivation	<b>18,50</b>	450.000,00 €	NON FINANZIATO
162	Neurologia E Psichiatria	GR-2021-12373415	Theory-enhancing	MAGGIORE	GLYmphatic system in DEMentia (GLYDEM): towards new mechanisms for neurodegeneration.	<b>18,50</b>	425.000,00 €	NON FINANZIATO
163	Ostetricia e Ginecologia	GR-2021-12374496	Theory-enhancing	FONDAZIONE GEMELLI	SPATIAL PROFILING IN ENDOMETRIOSIS-RELATED DISEASES: THE ROLE OF THE IMMUNE MICROENVIRONMENT	<b>18,50</b>	450.000,00 €	NON FINANZIATO

164	Oculistica	GR-2021-12372487	Theory-enhancing	BIETTI	PROFILING THE REPERTOIRE OF UBIQUITYLATED PROTEINS IN EYE FLUIDS AND IN CELL-BASED EXPERIMENTAL MODELS TO INVESTIGATE INTO GLAUCOMA PATHOGENESIS AND TO SEARCH FOR BIOMARKERS RELATED TO UBIQUITIN HETEROGENEITY	19,00	425.000,00 €	NON FINANZIATO
165	Oncologia	GR-2021-12373751	Theory-enhancing	Istituto Superiore di Sanita'	Aptamer-based strategy in glioblastoma: investigating the molecular mechanisms underlying endothelial trans-differentiation potential of glioblastoma stem-like cells to target tumor angiogenesis	19,00	450.000,00 €	NON FINANZIATO
166	Cardiologia-Pneumologia	GR-2021-12375019	Theory-enhancing	Campania	The impact of endothelial dysfunction and inflammatory profile on long term health status and their potential improvements by exercise training in Covid-19 survivors	19,00	450.000,00 €	NON FINANZIATO
167	Diagnostica	GR-2021-12374251	Theory-enhancing	GASLINI	HUNTME - HunTing bacteria: looking for early bioMarkers of infEction	19,00	450.000,00 €	NON FINANZIATO

168	Ematologia e Immunologia	GR-2021-12374834	Theory-enhancing	Veneto	Exposure to polyfluoroalkyl substances (PFASs) and their effects on adrenocortical and T cell function: impact on blood pressure regulation	<b>19,00</b>	440.000,00 €	NON FINANZIATO
169	Neurologia E Psichiatria	GR-2021-12374010	Theory-enhancing	Piemonte	Tackling brain metastases from solid tumors through Microenvironment targeting and exploration: a phase II clinical trial and translational study (TAMING)	<b>19,50</b>	450.000,00 €	NON FINANZIATO
170	Oncologia	GR-2021-12373981	Theory-enhancing	Istituto Superiore di Sanita'	EMT in oncogene-induced cell transformation and drug-response: in search of therapeutic synergies against lung cancer	<b>19,50</b>	450.000,00 €	NON FINANZIATO
171	Gastroenterologia	GR-2021-12372452	Theory-enhancing	SAN RAFFAELE MILANO	Patient's tailored onco-surgical management of cholangiocarcinoma: translational protocol for risk stratification	<b>19,50</b>	450.000,00 €	NON FINANZIATO

172	Diagnostica	GR-2021-12375023	Theory-enhancing	Emilia-Romagna	Big Data analysis to identify biochemical and autoimmunity markers of long COVID and frailty: use of real world data to create real world evidence.	<b>19,50</b>	307.000,00 €	NON FINANZIATO
173	Pediatria	GR-2021-12373795	Theory-enhancing	Campania	Artificial Intelligence for the Oral Food Challenge-Free Approach in pediatric Food Allergy: The AIFA Project	<b>19,50</b>	440.000,00 €	NON FINANZIATO
174	Malattie Infettive	GR-2021-12374824	Theory-enhancing	FONDAZIONE GEMELLI	Development of a vaccine platform based on BCG expressing the Nucleocapsid and adsorbed with Spike SARS-CoV-2 proteins	<b>20,00</b>	442.000,00 €	NON FINANZIATO
175	Endocrinologia	GR-2021-12374615	Theory-enhancing	Campania	Changes in the metabolomic profile and the gut microbiota composition induced by milk whey dietary supplementation: insight on novel potential molecules involved in metabolic and vascular abnormalities due to diabetes.	<b>20,00</b>	450.000,00 €	NON FINANZIATO

176	Oncologia	GR-2021-12373070	Theory-enhancing	AUSL RE Ist. Tecnologie Avanzate	Targeting the DNA helicase HELLS as novel therapeutic target in T-cell Lymphomas	<b>20,00</b>	450.000,00 €	NON FINANZIATO
177	Neurologia E Psichiatria	GR-2021-12372640	Theory-enhancing	CARLO BESTA	BioMitoPD - Integrated analysis for elucidating mitochondrial dysfunctions and identifying new mitochondrial biomarkers in Parkinson's disease.	<b>20,00</b>	448.305,00 €	NON FINANZIATO
178	Oncologia	GR-2021-12374088	Theory-enhancing	ISTITUTO TUMORI MILANO	Single cell transcriptomic analysis of longitudinal triple negative breast cancer samples in the neoadjuvant setting	<b>20,00</b>	440.000,00 €	NON FINANZIATO
179	Oncologia	GR-2021-12372639	Theory-enhancing	HUMANITAS	Functional role of plasticity and fibrosis in the pathogenesis of pancreatic intraductal papillary mucinous neoplasms	<b>20,00</b>	450.000,00 €	NON FINANZIATO

180	Cardiologia-Pneumologia	GR-2021-12372434	Theory-enhancing	Toscana	Amyloid precuRsors in CARDIac Amyloidosis: biochemical characterization and mechanisms of organ damage (ARCADIA)	<b>20,00</b>	450.000,00 €	NON FINANZIATO
181	Gastroenterologia	GR-2021-12372521	Theory-enhancing	BURLO GAROFOLO	Celiac disease: a pediatric study to investigate epigenetic and transcriptional disease-associated alterations and the application of intestinal organoids for personalized treatment.	<b>20,50</b>	450.000,00 €	NON FINANZIATO
182	Oncologia	GR-2021-12371976	Theory-enhancing	FONDAZIONE GEMELLI	COMposite translational BiOmArkers for response prediction and outcome enhancement in REctal Cancer: the COMBO REC study	<b>20,50</b>	435.200,00 €	NON FINANZIATO
183	Cardiologia-Pneumologia	GR-2021-12373791	Theory-enhancing	NEUROMED	Novel neuroimmune and immunometabolic targets to prevent obesity-induced hypertension	<b>20,50</b>	400.276,60 €	NON FINANZIATO

184	Endocrinologia	GR-2021-12373540	Theory-enhancing	Emilia-Romagna	Hospital discharge decisional algorithm for transition of care: a new strategy to optimize the transition prescription anti-diabetic drugs in type 2 diabetes mellitus subjects hospitalized	<b>20,50</b>	318.000,00 €	NON FINANZIATO
185	Psichiatria	GR-2021-12373918	Theory-enhancing	MEDEA	BEYOND ADVERSITY: understanding the impact of out-of-home placement on epigenetic changes and mental-physical health in children and adolescents exposed to different forms of maltreatment	<b>20,50</b>	450.000,00 €	NON FINANZIATO
186	Malattie Infettive	GR-2021-12374902	Theory-enhancing	MEDEA	Disease spectrum caused by alphaherpesviruses: investigation of human and viral genetic determinants	<b>20,50</b>	450.000,00 €	NON FINANZIATO
187	Cardiologia-Pneumologia	GR-2021-12374242	Theory-enhancing	Lazio	Patient profiles, risk stratification model and adverse clinical outcomes of patients with atrial fibrillation and cancer admitted to the Emergency Department or inpatient admission. A multicenter prospective observational cohort study.	<b>21,00</b>	450.000,00 €	NON FINANZIATO

188	Psichiatria	GR-2021-12373849	Theory-enhancing	MEDEA	Early detection and improved monitoring of antipsychotic-induced metabolic syndrome: identification and characterization of behavioral and biological markers	<b>21,00</b>	450.000,00 €	NON FINANZIATO
189	Neurologia E Psichiatria	GR-2021-12373049	Theory-enhancing	SANTA LUCIA	(Re)solving MS: mapping and profiling of anatomical structures, cell types and biomarkers to identify metabololipidomic, transcriptomic and (epi)genomic inflammation-resolution defects and to develop novel therapeutic strategies for multiple sclerosis	<b>21,00</b>	450.000,00 €	NON FINANZIATO
190	Cardiologia-Pneumologia	GR-2021-12372956	Theory-enhancing	SAN MATTEO	Evaluation of the prevalence of monogenic hereditary heart disease in patients suffering from out-of-hospital Cardiac Arrest in the Lombardy Region (GenetiCA)	<b>21,00</b>	430.000,00 €	NON FINANZIATO
191	Ematologia e Immunologia	GR-2021-12374003	Theory-enhancing	SAN RAFFAELE MILANO	Role of Trained Immunity in the pathogenesis of Giant Cell Arteritis	<b>21,00</b>	450.000,00 €	NON FINANZIATO



192	Oncologia	GR-2021-12374865	Theory-enhancing	REGINA ELENA	Nanoceria-based lotion as novel radio-sensitizing agent to maximize radiotherapy efficacy in skin carcinomas	<b>21,00</b>	450.000,00 €	NON FINANZIATO
193	Pediatria	GR-2021-12372551	Theory-enhancing	GASLINI	Balancing immune responses in the tissue microenvironment: use of adeno-associated viral vectors for site-specific delivery of microRNA mimics/inhibitors as therapeutic agents in pediatric diseases	<b>21,50</b>	420.000,00 €	NON FINANZIATO
194	Ematologia e Immunologia	GR-2021-12373847	Theory-enhancing	Veneto	Multistep Functional Genomics for the Identification of Novel Disease Mechanisms in Single Patients with Primary Immune and Hematological Disorders - MUSINGinPIHD	<b>21,50</b>	398.888,88 €	NON FINANZIATO
195	Oncologia	GR-2021-12374350	Theory-enhancing	RIZZOLI	Novel therapeutic strategies targeting IGF2BP3 in Ewing sarcoma: targeted protein degradation versus small inhibitors	<b>21,50</b>	449.000,00 €	NON FINANZIATO

196	Oncologia	GR-2021-12374409	Theory-enhancing	Istituto Scientifico Romagnolo	BRAF-V600E-Mutated colorectal cAncer: primary and acquired reSistanCe to tArgeted tReAtment (MASCARA)	<b>21,50</b>	430.000,00 €	NON FINANZIATO
197	Oncologia	GR-2021-12374935	Theory-enhancing	Puglia	Neoantigen-reactive T cells for personalized treatment of NETs	<b>21,50</b>	400.000,00 €	NON FINANZIATO
198	Ematologia e Immunologia	GR-2021-12372707	Theory-enhancing	MULTIMEDICA	PLAQUE ASSOCIATED (PANKS) AND PLAQUE INFILTRATING (PINKS) NATURAL KILLER CELLS IN THE PATHOGENESIS OF ATHEROSCLEROSIS.	<b>22,00</b>	420.000,00 €	NON FINANZIATO
199	Oncologia	GR-2021-12372376	Theory-enhancing	HUMANITAS	Restoring the lipid balance in the tumour microenvironment to hinder cancer progression and sustain response to therapy	<b>22,00</b>	450.000,00 €	NON FINANZIATO

200	Cardiologia- Pneumologia	GR-2021- 12371944	Theory- enhancing	Piemonte	Homeostasis of vitamin D and calcitriole and roole of the pharmacological supplementation: focus on cardiovascular risk  (To assess the Role in high- cardiOvascular rlsk Patients of CALcitriole -TROPICAL Study)	<b>22,00</b>	262.000,00 €	NON FINANZIATO
201	Gastroenterologia	GR-2021- 12373752	Theory- enhancing	FONDAZIONE GEMELLI	EFFECTS OF NUTRITIONAL SUPPORT ON MUSCLE MASS AND GUT MICROBIOTA IN PATIENTS AFFECTED BY UNRESECTABLE HEPATOCELLULAR CARCINOMA	<b>22,00</b>	350.000,00 €	NON FINANZIATO
202	Oncologia	GR-2021- 12374114	Theory- enhancing	SAN RAFFAELE MILANO	Immune effector cell-associated neurotoxicity syndrome (ICANS) after CAR-T cell therapy: identification of novel actionable targets for therapy and predictive biomarkers for early intervention	<b>22,00</b>	450.000,00 €	NON FINANZIATO

203	Ematologia e Immunologia	GR-2021-12372370	Theory-enhancing	MAGGIORE	Dissecting the molecular landscape of autoimmune hemolytic anemia and other rare anemias: focus on bone marrow microenvironment by single cell RNA sequencing.	<b>22,00</b>	450.000,00 €	NON FINANZIATO
204	Ostetricia e Ginecologia	GR-2021-12375172	Theory-enhancing	FONDAZIONE GEMELLI	SECRETOME OF PLACENTA-DERIVED MESENCHYMAL STROMAL CELLS AS THERAPEUTIC TOOL TO PREVENT INFLAMMATION-INDUCED PRETERM BIRTH.	<b>22,50</b>	449.170,00 €	NON FINANZIATO
205	Oncologia	GR-2021-12372416	Theory-enhancing	PASCALE	CXCL12-loaded-hydrogel (CLG) as new device for CTCs capturing and characterization.	<b>22,50</b>	450.000,00 €	NON FINANZIATO
206	Oncologia	GR-2021-12372975	Theory-enhancing	ISTITUTO TUMORI MILANO	Deciphering mechanisms underlying LKB1-KRAS mutated Non-Small-Cell Lung Cancer aggressiveness to develop novel biomarkers and therapeutic options	<b>22,50</b>	444.400,00 €	NON FINANZIATO

207	Nefrologia e Urologia	GR-2021-12374849	Theory-enhancing	Emilia-Romagna	Second Harmonic Generation to quantify fibrosis in renal biopsies: clinical validation.	<b>22,50</b>	242.000,00 €	NON FINANZIATO
208	Neurologia E Psichiatria	GR-2021-12372630	Theory-enhancing	Istituto Scienze Neurologiche	Epileptogenesis in High Grade Glioma: LGI1 tissue expression and neuronal surface antibodies analysis	<b>22,50</b>	155.540,00 €	NON FINANZIATO
209	Oncologia	GR-2021-12374263	Theory-enhancing	REGINA ELENA	Exploiting anti-fibrotic treatment in Hepatocellular Carcinoma and Pancreatic Ductal Adenocarcinoma by targeting the pro-fibrotic kinase HIPK2	<b>23,00</b>	450.000,00 €	NON FINANZIATO
210	Ostetricia e Ginecologia	GR-2021-12372695	Theory-enhancing	Sicilia	Fallopian tubes microbiota and its relationship with tubal cytomorphological characteristics: hysteroscopic evaluation of the impact on female fertility	<b>23,00</b>	444.300,00 €	NON FINANZIATO

211	Oncologia	GR-2021-12375113	Theory-enhancing	ISTITUTO TUMORI MILANO	Analysis of immune microenvironment modulation and definition of predictive and diagnostic tumor profiles by in situ multiplex methods	<b>23,00</b>	413.600,00 €	NON FINANZIATO
212	Oncologia	GR-2021-12372221	Theory-enhancing	Istituto Scientifico Romagnolo	Generation of a novel adoptive T cell therapy for solid tumors by co-culture of peripheral blood lymphocytes and autologous dendritic cells. [DCreact]	<b>23,00</b>	450.000,00 €	NON FINANZIATO
213	Malattie Infettive	GR-2021-12372616	Theory-enhancing	DON CALABRIA - NEGRAR	A ONE HEALTH approach for Leishmaniasis: Leishmania sp. genetic and proteomic characterization and search for new biomarkers from the vector to the host.	<b>23,00</b>	450.000,00 €	NON FINANZIATO
214	Endocrinologia	GR-2021-12372322	Theory-enhancing	HUMANITAS	Inactivating mutations in the peptidylglycine alpha-amidating monooxygenase (PAM) gene can cause both hyper- and hypopituitarism: elucidating the pathomechanisms underlying this intriguing conundrum	<b>23,00</b>	450.000,00 €	NON FINANZIATO

215	Neurologia E Psichiatria	GR-2021-12374554	Theory-enhancing	CARLO BESTA	Tackling the Progression of Cerebral Amyloid Angiopathy	<b>23,00</b>	449.790,00 €	NON FINANZIATO
216	Oncologia	GR-2021-12375099	Theory-enhancing	PASCALE	Prognostic significance of Genomic Aberrations in pediatric T-ALL and tailored precision medicine strategies	<b>23,50</b>	420.000,00 €	NON FINANZIATO
217	Oncologia	GR-2021-12372185	Theory-enhancing	HUMANITAS	Artificial intelligence in Hepatocellular carcinoma: the ART.I.HCC. Study	<b>23,50</b>	450.000,00 €	NON FINANZIATO
218	Geriatrics	GR-2021-12372356	Theory-enhancing	Veneto	Design and application of digital technology tools for the assessment and follow-up of frail elderly outpatients.	<b>25,50</b>	350.000,00 €	NON FINANZIATO

219	Malattie Infettive	GR-2021-12372287	Theory-enhancing	Friuli-Venezia Giulia	Understanding SARS-CoV2 pathophysiology and the host responses to infection through a machine learning approach: translating knowledge from COVID-19 patients to septic patients	<b>26,00</b>	400.000,00 €	NON FINANZIATO
220	Ematologia e Immunologia	GR-2021-12372980	Theory-enhancing	MARIO NEGRI	Bacterial metabolites and Toll-like receptors agonists as combinatorial strategy for advanced metastatic breast and prostate cancers	<b>28,00</b>	450.000,00 €	NON FINANZIATO
221	Ematologia e Immunologia	GR-2021-12373933	Theory-enhancing	Emilia-Romagna	Characterization and targeting of cancer stem cells in multiple myeloma patients	<b>28,50</b>	400.000,00 €	NON FINANZIATO
222	Oncologia	GR-2021-12371936	Theory-enhancing	Sicilia	Development of innovative methods for the research of circulating tumor cells in prostate cancer and multiple myeloma	<b>29,00</b>	420.000,00 €	NON FINANZIATO



223	Neurologia E Psichiatria	GR-2021-12372789	Theory-enhancing	SDN	Targeting the master neuronal epigenetic regulator REST as new strategy for intervention in Amyotrophic Lateral Sclerosis.	<b>30,00</b>	450.000,00 €	NON FINANZIATO
224	Oncologia	GR-2021-12375072	Theory-enhancing	PASCALE	Financial toxicity in ovarian cancer	<b>30,50</b>	200.000,00 €	NON FINANZIATO
225	Oncologia	GR-2021-12372309	Theory-enhancing	Veneto	From precursor lesions to invasive pancreatic cancer: integrative multi-omics characterization and artificial intelligence to model neoplastic progression and to advance early detection and therapeutic strategies	<b>31,00</b>	420.000,00 €	NON FINANZIATO
226	Pediatria	GR-2021-12373577	Theory-enhancing	OSPEDALE BAMBINO GESU'	Diagnostic study of the pathogenetic factors of development of the main causes of acute abdomen in children. Are changes in the intestinal microbiota at the origin of everything?	<b>32,00</b>	400.000,00 €	NON FINANZIATO

227	Oncologia	GR-2021-12375018	Theory-enhancing	REGINA ELENA	IMMUNE GENE-EXPRESSION SIGNATURE AND LIQUID BIOPSY for PREDICTION, ASSESSMENT AND MONITORING OF THE OUTCOMES OF THE COMBINATION OF CHEMOTERAPY WITH Immune-CHECKPOINT INHIBITORS in SMALL-CELL LUNG CANCER ¿ ARIADNE trial	<b>32,00</b>	300.000,00 €	NON FINANZIATO
228	Cardiologia-Pneumologia	GR-2021-12375384	Theory-enhancing	Calabria	Switching pro-fibrotic/pro-inflammatory to pro-regenerative macrophages to revert cardiac aging and failure	<b>33,00</b>	450.000,00 €	NON FINANZIATO