

GRADUATORIA PROGETTI ORDINARI DI RICERCA FINALIZZATA - Theory-Enhancing

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
1	RF-2019-12369226	Immuno-pharmacologic Targeting of Macrophage-Associated HIV and SIV Reservoirs	Malattie Infettive	SAN RAFFAELE MILANO	8,5	401.110,00 €	401.110,00 €
2	RF-2019-12369122	Targeting synapse dysfunction in Parkinson's disease	Neurologia E Psichiatria	SAN RAFFAELE MILANO	10	450.000,00 €	450.000,00 €
3	RF-2019-12368598	A new ultrasonic method based on Bessel Beam diffraction for non-invasive, focal, ultra-selective, deep and superficial brain stimulation	Neurologia E Psichiatria	SANTA LUCIA	11	449.700,00 €	449.700,00 €
4	RF-2019-12368937	Targeting novel insulin/IGF-driven signaling networks in breast cancer	Endocrinologia	Sicilia	11	422.400,00 €	422.400,00 €
5	RF-2019-12369703	IPSCs from Duchenne Muscular Dystrophy: perfect genetic correction by chromosome transplantation and generation of 3D cell culture for drug investigation	Pediatria	HUMANITAS	11	450.000,00 €	450.000,00 €
6	RF-2019-12370663	Clinical evaluation and strategies for improvement of non-viral, transposon-manipulated CD19 Chimeric Antigen Receptor (CAR) Cytokine Induced Killer (CIK) Cells for the treatment of pediatric and adult patients with relapsed/refractory B cell precursor AL	Oncologia	Lombardia	11	449.900,00 €	449.900,00 €
7	RF-2019-12370784	Evaluation of the risk of secondary leukemias in cancer survivors	Ematologia e Immunologia	I.E.O.	11	450.000,00 €	450.000,00 €
8	RF-2019-12368718	Platinum/PARP inhibitor resistance and acquired vulnerabilities in ovarian cancer	Oncologia	REGINA ELENA	11,5	424.710,00 €	424.710,00 €
9	RF-2019-12368771	INTERVENTION STUDY ON LIFE STYLE AND MICROBIOTA IN PROSTATE CANCER PATIENTS UNDERGOING RADIOTHERAPY	Oncologia	I.E.O.	11,5	450.000,00 €	450.000,00 €
10	RF-2019-12369272	Identifying disease signatures of neurodegenerative dementias: a focus on autoimmunity and inflammation	Neurologia E Psichiatria	FATEBENEFRAPELLI	11,5	449.089,00 €	449.089,00 €
11	RF-2019-12370600	Expanding the spectrum of adenosine deaminase 2 (ADA2) deficiency: towards a gene therapy approach	Ematologia e Immunologia	GASLINI	11,5	450.000,00 €	450.000,00 €

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12	RF-2019-12370972	predictive bioMArkers of aLTERed NeurologicAL trajectories consequent to prenatal inflammatory insults	Neurologia E Psichiatria	HUMANITAS	11,5	450.000,00 €	450.000,00 €
13	RF-2019-12369102	Integrative transcriptomic and metabolomic study of chronic lung allograft dysfunction (CLAD) for the identification of early molecular diagnostic biomarkers	Trapiantologia	Veneto	11,75	450.000,00 €	450.000,00 €
14	RF-2019-12368786	Control of growth and invasiveness of glioblastoma by modulation of ciliogenesis in glioma stem cells. A novel target against glioblastoma for precision medicine	Oncologia	FONDAZIONE GEMELLI	12	447.000,00 €	447.000,00 €
15	RF-2019-12368888	Identifying and targeting metabolic vulnerabilities in skin pathologies	Dermatologia	ISTITUTO DERMOPATICO DELL'IMMACOLATA	12	450.000,00 €	450.000,00 €
16	RF-2019-12369719	Traceable immunogenic exosomes as tools to study the interaction between exosomes and dendritic cells apt to induce antigen-specific CTL response for cancer vaccine	Oncologia	Istituto Superiore di Sanita'	12	450.000,00 €	450.000,00 €
17	RF-2019-12369889	Preclinical validation of immunoliposome-delivered siRNA duplex to PTPN22 C1858T gene polymorphism for a novel immunotherapeutic approach in Type 1 diabetes and autoimmune polyendocrine syndrome Type 3 variant	Endocrinologia	OSPEDALE BAMBINO GESU'	12	429.000,00 €	429.000,00 €
18	RF-2019-12370797	Novel prediction markers for preventing Human Cytomegalovirus (HCMV) reactivation in the era of game changer inhibitors of viral packaging and egress	Malattie Infettive	SAN MATTEO	12	450.000,00 €	450.000,00 €
19	RF-2019-12368521	Role of the BACE1-AS long noncoding RNA in ischemic heart failure	Cardiologia-Pneumologia	SAN DONATO	12,5	449.680,00 €	449.680,00 €
20	RF-2019-12370112	Functional and clinical studies of lipid linked hereditary spastic paraplegia	Neurologia E Psichiatria	MEDEA	12,5	450.000,00 €	450.000,00 €
21	RF-2019-12370417	Tweaking the mitochondrial calcium axis as target therapy for spastic-ataxias	Neurologia E Psichiatria	SAN RAFFAELE MILANO	12,5	450.000,00 €	450.000,00 €

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22	RF-2019-12371349	P20W18M. Project 20Weeks-18Months: the impact of maternal depression and immuno-inflammation on foetus brain growth and infant neurodevelopment. A longitudinal imaging- epigenetic study	Neurologia E Psichiatria	MAGGIORE	12,5	450.000,00 €	450.000,00 €
23	RF-2019-12369247	EMPOWERING THE PATHOPHYSIOLOGY AND PROGNOSIS OF MOYAMOYA ARTERIOPATHY	Neurologia E Psichiatria	CARLO BESTA	13	436.150,00 €	436.150,00 €
24	RF-2019-12369300	Eye-movement dynamics during free viewing as biomarker for assessment of visuospatial functions and for closed-loop rehabilitation in stroke	Neurologia E Psichiatria	S.CAMILLO	13	445.000,00 €	445.000,00 €
25	RF-2019-12369714	Emerging food safety risks from microbial hazards deriving from anthropogenic pressures in agricultural settings.	Veterinaria	Istituto Superiore di Sanita'	13	448.850,00 €	448.850,00 €
26	RF-2019-12369841	Defining the role of HIF-2alpha in the pathogenesis of acute myeloid leukemia and exploiting its inhibition as a new therapeutic approach to promote leukemia differentiation and exhaustion	Oncologia	SAN RAFFAELE MILANO	13	450.000,00 €	450.000,00 €
27	RF-2019-12370224	Assessing the polygenic burden of rare disruptive mutations in Parkinson's disease: a novel diagnostic test to predict Parkinson's disease risk	Diagnostica	NEUROMED	13	450.000,00 €	450.000,00 €
28	RF-2019-12370447	Rehabilitation of the upper limb in progressive multiple sclerosis: a clinical and MRI study of different rehabilitative protocols in patients treated with anti B monoclonal antibodies	Neurologia E Psichiatria	MAUGERI	13	429.400,00 €	429.400,00 €
29	RF-2019-12370632	Interference with metabolism to delay and/or overcome resistance to platinum in ovarian cancer.	Oncologia	MARIO NEGRI	13	373.500,00 €	373.500,00 €
30	RF-2019-12371111	Immunometabolic Reprogramming induced by Caloric Restriction as a novel therapeutic strategy for Tuberculosis control	Ematologia e Immunologia	Campania	13	450.000,00 €	450.000,00 €

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31	RF-2019-12369320	Peripheral Nervous System involvement in Amyotrophic Lateral Sclerosis: from diagnosis to disease understanding.	Neurologia E Psichiatria	SAN RAFFAELE MILANO	13,25	450.000,00 €	450.000,00 €
32	RF-2019-12368819	Gut microbiota profile and immune status in osteosarcoma: towards the development of personalized treatments.	Oncologia	RIZZOLI	13,5	449.895,00 €	449.895,00 €
33	RF-2019-12369368	Mendelian genetics 2.0: dissecting the clinical and genetic heterogeneity of ciliopathies as a model to unravel the complexity of "simple" recessive disorders	Diagnostica	MONDINO	13,5	450.000,00 €	450.000,00 €
34	RF-2019-12368847	Novel system medicine approach to develop primary prevention strategies of comorbidities in infertile men	Endocrinologia	SAN RAFFAELE MILANO	14	450.000,00 €	450.000,00 €
35	RF-2019-12369259	Identification and validation of functionally relevant non-coding RNAs in hemoglobin switching, as potential therapeutic targets for the treatment of β -thalassemia	Ematologia e Immunologia	Sardegna	14	249.000,00 €	249.000,00 €
36	RF-2019-12369700	Linking autophagy to neural stem cell potential in medulloblastoma: molecular mechanisms and therapeutic opportunities	Oncologia	OSPEDALE BAMBINO GESU'	14	450.000,00 €	450.000,00 €
37	RF-2019-12369960	ForceLoss: differential diagnosis of force loss in fragile elders	Ortopedia	RIZZOLI	14	442.530,00 €	442.530,00 €
38	RF-2019-12369984	NOVEL MOLECULAR TARGET FOR DIAGNOSIS AND THERAPY IN EARLY ESOPHAGEAL CANCER	Oncologia	Veneto	14	450.000,00 €	450.000,00 €
39	RF-2019-12370183	BIOPSY-PROVEN MYOCARDITIS:GENETIC BACKGROUND, PREDICTORS OF DISMAL PROGNOSIS AND OF RESPONSE TO IMMUNOSUPPRESSIVE THERAPY AND PRECLINICAL EVALUATION OF INNOVATIVE IMMUNOMODULATORY THERAPIES	Cardiologia-Pneumologia	Veneto	14	450.000,00 €	450.000,00 €

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40	RF-2019-12370733	meTfoRmin, nIghtly fAstiNg and low-Glycemic index food diEt in breast cancer: a randomized, window of opportunity pre-surgical trial. TRIANGLE Trial.	Oncologia	Liguria	14	450.000,00 €	450.000,00 €
41	RF-2019-12370896	IMPROVING DIAGNOSIS AND THERAPY FOR FAMILIAL DYSLIPIDAEMIAS: A NETWORK OF GENERAL PRACTITIONERS AND SPECIALISED LIPID CENTERS	Cardiologia-Pneumologia	MULTIMEDICA	14	450.000,00 €	450.000,00 €
42	RF-2019-12371549	Role and predictive potential of distinct circulating and tumor-associated leukocyte subsets in progression and therapeutic response of malignant gliomas	Ematologia e Immunologia	HUMANITAS	14	450.000,00 €	450.000,00 €
43	RF-2019-12368646	Translational study of the trace kynurenine metabolite, cinnabarinic acid, on the pathophysiology and treatment of schizophrenia	Neurologia E Psichiatria	NEUROMED	14,5	403.000,00 €	403.000,00 €
44	RF-2019-12368778	Dysfunction of RNA processing and autophagy in human ALS disease cell models: a bioassay for new therapeutic strategies	Neurologia E Psichiatria	AUXOLOGICO	14,5	450.000,00 €	450.000,00 €
45	RF-2019-12368918	Biomarkers in Friedreich Ataxia: indicators of disease progression and outcome measures to evaluate responsiveness to treatment in interventional trials	Neurologia E Psichiatria	CARLO BESTA	14,5	444.840,00 €	444.840,00 €
46	RF-2019-12369142	High-dimensional immune profiling of metastatic colo-rectal cancer patients to identify immune mechanisms of resistance to anti-EGFR therapy.	Oncologia	HUMANITAS	14,5	450.000,00 €	450.000,00 €
47	RF-2019-12369158	Dissect the effects of COPZ1 targeting: a promising strategy for different solid tumors	Oncologia	ISTITUTO TUMORI MILANO	14,5	449.900,00 €	449.900,00 €
48	RF-2019-12369251	An integrative approach to identify immune suppressive features in glioma patients	Oncologia	I. O. V.	14,5	447.750,00 €	447.750,00 €

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49	RF-2019-12369293	Erythrocyte membrane fluidity as a personalized biomarker for a quantitative biological assessment of cardiovascular risk score in Type 2 Diabetes	Endocrinologia	FONDAZIONE GEMELLI	14,5	402.000,00 €	402.000,00 €
50	RF-2019-12370609	Development of advanced therapy medicinal products for rheumatoid arthritis based on mesenchymal stem cells	Ematologia e Immunologia	AUSL RE Ist. Tecnologie Avanzate	14,5	450.000,00 €	450.000,00 €
51	RF-2019-12369154	Thermally induced contaminants in palm oil and other edible fats and derivative products: their occurrence in food and health risk assessment for Italian consumers	Oncologia	MARIO NEGRI	15	250.500,00 €	214.503,00 €
52	RF-2019-12370721	Assessing the role of the gut microbiome and of the intestinal barrier integrity in the immune pathogenesis of Type 1 Diabetes	Pediatria	SAN RAFFAELE MILANO	15	450.000,00 €	385.334,00 €
53	RF-2019-12368737	Inhibition of Che-1/AATF as a new tool in multiple myeloma treatment.	Oncologia	REGINA ELENA	15	450.000,00 €	385.334,00 €
54	RF-2019-12368996	Development of novel vaccines against Herpes simplex virus type 1 and 2	Malattie Infettive	Istituto Superiore di Sanita'	15	450.000,00 €	385.334,00 €
55	RF-2019-12368630	Biomarkers of the neuromedin U pathway for cardiovascular risk assessment: a multilevel approach from gene to protein.	Cardiologia-Pneumologia	NEUROMED	15	445.350,00 €	
56	RF-2019-12368785	Unravelling the genetic basis of variable clinical expression in neurofibromatosis type 1: role of modifier genes and genotype-phenotype correlations.	Diagnostica	CASA SOLLIEVO SOFFERENZA	15	433.200,00 €	
57	RF-2019-12369559	Investigating the role of VEGF removal to delay the onset of acquired resistance to target therapy and increase the efficacy of immune checkpoint inhibitors in BRAF mutated melanoma	Oncologia	Istituto Oncologico Candiolo	15	447.000,00 €	
58	RF-2019-12369575	Chronotropic effects of obstructive sleep apnea: a window on cardiac autonomic phenotypes	Cardiologia-Pneumologia	MAUGERI	15	447.413,00 €	

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59	RF-2019-12369645	Estrogen receptor-driven immune activity as determinant of trastuzumab efficacy in HER2 positive breast cancer	Oncologia	ISTITUTO TUMORI MILANO	15	445.500,00 €	
60	RF-2019-12370373	Designing BMP7-based therapeutic strategies to target Colorectal Cancer Stem Cells	Oncologia	I.E.O.	15	450.000,00 €	
61	RF-2019-12371338	Sensory integration and plasticity of the vestibular system: physiological, genetic and clinical aspects on humans and animal models	Otorinolaringoiatria e Odontoiatria	SAN RAFFAELE MILANO	15	439.500,00 €	
62	RF-2019-12369311	Neuromarkers of Brain Damage and Maturation in Preterm Neonates: Assessing the Prognostic Value of Resting-State Functional Connectivity through a Multi-Modal Approach.	Pediatria	Abruzzo	15,5	303.000,00 €	
63	RF-2019-12369380	DNA-damage response as a novel pathogenic mechanism and therapeutic target of pressure overload induced heart failure	Cardiologia-Pneumologia	MONZINO	15,5	449.998,89 €	
64	RF-2019-12369397	Natural Killer Cells as a New Immunotherapeutic Tool for Intrahepatic Cholangiocarcinoma	Gastroenterologia	SAN MATTEO	15,5	442.810,00 €	
65	RF-2019-12369578	Development and Validation of an Innovative TelerehabilitatiOn protocol assisted by SensOrs (VirTuOSO project)	Neurologia E Psichiatria	Ospedale Policlinico San Martino	15,5	294.333,33 €	
66	RF-2019-12369774	Integrase Defective Lentiviral Vector (IDLV) for delivering membrane-tethered Native-like Envelope Trimers of HIV-1	Malattie Infettive	Istituto Superiore di Sanita'	15,5	450.000,00 €	
67	RF-2019-12370226	Visualizing immunomodulatory molecules and testing predictive profiles in individual human cancer cells using in situ multiplex methods	Oncologia	ISTITUTO TUMORI MILANO	15,5	446.580,00 €	
68	RF-2019-12370642	Modeling T cell-mediated tumor response using patient-derived colorectal cancer organoids	Oncologia	Istituto Oncologico Candiolo	15,5	450.000,00 €	

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69	RF-2019-12370789	The Molecular mechanisms underlying complement dysregulation by nephritic factors in C3G and IC-MPGN and their impact on classification and treatment	Nefrologia e Urologia	MARIO NEGRI	15,5	250.000,00 €	
70	RF-2019-12371568	Focus on neuromuscular junctions and skeletal muscles as paramount sources of prognostic markers and therapeutic targets for Amyotrophic Lateral Sclerosis: a translational approach	Neurologia E Psichiatria	MARIO NEGRI	15,5	450.000,00 €	
71	RF-2019-12368635	Dual Targeting of Interleukin-30/IL-27p28 and Negative Checkpoint Regulators with Newly Designed Nanoparticles to Overcome Immunosuppression and Inhibit Prostate Cancer Progression	Oncologia	Abruzzo	16	435.600,00 €	
72	RF-2019-12368664	Epi-proteomic profiling of Ovarian Cancer patients for biomarker discovery: applications in patient stratification, response to therapy assessment and novel target identification	Oncologia	I.E.O.	16	450.000,00 €	
73	RF-2019-12368825	Exploring a new link between proteotoxicity and mitochondrial dysfunction to oppose aging	Geriatrics	SAN RAFFAELE MILANO	16	450.000,00 €	
74	RF-2019-12368980	Biomonitoring environmental exposure to persistent organic pollutants as determinant of childhood obesity and understanding its health effects on sexual development and metabolomics profile	Diagnostica	MAGGIORE	16	425.027,78 €	
75	RF-2019-12369363	Rehabilitation of curved walking in patients with Parkinson's disease	Riabilitazione	MAUGERI	16	449.095,00 €	
76	RF-2019-12369400	The wearable robotic ζ additional thumb ζ Soft Sixth Finger: neural foundations of augmentation and recovery of grasping abilities for healthy and paretic humans	Riabilitazione	Toscana	16	448.000,00 €	
77	RF-2019-12369734	Oral and Gut Microbiota in Parkinson's Disease patients with and without constipation. Could the alteration of the microbiome trigger the onset of psychosis in Parkinson's Disease?	Neurologia E Psichiatria	Abruzzo	16	448.000,00 €	

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78	RF-2019-12370240	Longitudinal assessment of autonomic and sensory nervous system in ALS	Neurologia E Psichiatria	MAUGERI	16	430.500,00 €	
79	RF-2019-12370449	Unveiling the role of the non-coding genome in immunoediting and sensitivity to immunotherapy of colorectal cancer	Oncologia	Lombardia	16	450.000,00 €	
80	RF-2019-12370452	Molecular and functional stratification of epigenetically altered liver cancer patients to improve clinical evaluation and therapeutic targeting	Oncologia	I.E.O.	16	450.000,00 €	
81	RF-2019-12370772	Detection of alpha-synuclein seeding activity in cerebrospinal fluid by real-time quaking-induced conversion: Validation and further development of a disease-specific laboratory test for the early and accurate diagnosis of Synucleinopathies.	Neurologia E Psichiatria	Istituto Scienze Neurologiche	16	358.180,00 €	
82	RF-2019-12371503	Role of pre-existing flaviviral immunity: a sequential model of infection for investigating pathogenesis and clinical outcome, INFLA	Veterinaria	IZSAM	16	450.000,00 €	
83	RF-2019-12371507	Identification of biomarkers of treatment resistance in schizophrenia: a cross-sectional multimodal PET and magnetic resonance imaging study	Neurologia E Psichiatria	SAN RAFFAELE MILANO	16	450.000,00 €	
84	RF-2019-12368855	GLUT-1 DEFICIENCY: NEW THERAPEUTIC STRATEGIES TO INCREASE GLUCOSE TRANSPORT ACROSS THE BLOOD BRAIN BARRIER	Neurologia E Psichiatria	GASLINI	16,5	430.000,00 €	
85	RF-2019-12369130	In-depth analysis of cholesterol metabolism and related biomarkers in the pathogenesis and progression of the disease in neurodegenerative dementias.	Neurologia E Psichiatria	CARLO BESTA	16,5	437.350,00 €	
86	RF-2019-12369236	Novel unconventional target antigens in HCC by proteogenomics high throughput technology	Gastroenterologia	PASCALE	16,5	436.160,00 €	
87	RF-2019-12369500	Targeting IL-1R8 as a novel checkpoint of T lymphocytes to improve efficacy of immunotherapies	Ematologia e Immunologia	HUMANITAS	16,5	450.000,00 €	

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88	RF-2019-12369524	NEUral stem cell transplantation: a RegeneratIve Therapy for neurodevelopmental dISorders (NEURITIS)	Pediatria	SAN RAFFAELE MILANO	16,5	440.000,00 €	
89	RF-2019-12370823	Impact of diet-mediated changes in microbe-derived metabolites on dysfunctional innate immune responses in multiple sclerosis	Neurologia E Psichiatria	Ospedale Policlinico San Martino	16,5	445.333,34 €	
90	RF-2019-12371366	Role of chronic inflammation and miRNA expression in modulating senescence of aged liver graft in liver transplantation	Trapiantologia	Lombardia	16,5	450.000,00 €	
91	RF-2019-12368593	New insights in cardiac fibrosis: from multiscale modelling of cell mechanosensing to pathologic activation of human cardiac fibroblasts	Cardiologia-Pneumologia	MONZINO	17	450.000,00 €	
92	RF-2019-12368648	Unraveling the molecular basis of Alzheimer's disease clinical subtypes: back to beta-amyloid hypothesis through ultrasensitive and high-throughput tailored assays.	Neurologia E Psichiatria	Toscana	17	441.670,00 €	
93	RF-2019-12369014	Dissecting the link between Maternal Obesity and Mental health outcomes in the offspring: from placental INFLAMmatory signatures to novel targets for therapeutic interventions (MOMINFLAM)	Endocrinologia	Istituto Superiore di Sanita'	17	448.979,71 €	
94	RF-2019-12369253	Identification of biomarkers optimizing stratification of high-risk neuroblastoma patients, predicting response to immunotherapy and driving novel therapeutic approaches	Oncologia	GASLINI	17	415.463,00 €	
95	RF-2019-12369287	Integrating genetics with environmental risk factors, gut microbiota and epigenetics as prognostic biomarkers in Multiple Sclerosis.	Neurologia E Psichiatria	MAGGIORE	17	450.000,00 €	

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96	RF-2019-12369934	Biomarkers of efficacy of autologous cell therapy with circulating peripheral blood mononuclear cells in diabetic patients with critical limb ischemia	Cardiologia-Pneumologia	MULTIMEDICA	17	450.000,00 €	
97	RF-2019-12370875	Leveraging lipid metabolism in HER2-positive breast cancer to implement and prolong HER2-targeted therapy effect	Oncologia	ISTITUTO TUMORI MILANO	17	449.200,00 €	
98	RF-2019-12371113	THE BIOLOGICAL AND FUNCTIONAL LANDSCAPE OF SALT-SENSITIVE HYPERTENSION	Nefrologia e Urologia	SAN RAFFAELE MILANO	17	450.000,00 €	
99	RF-2019-12371381	Exploring germline and somatic BRCAness in pancreatic cancer and implications on therapeutic management	Oncologia	SAN RAFFAELE MILANO	17	450.000,00 €	
100	RF-2019-12371429	Identification and characterization of oligopeptides with anti-aggregation activity in normal cerebrospinal fluid. In vitro and in vivo experimental studies for the development of novel strategies to prevent prion and other protein-misfolding neurodegener	Neurologia E Psichiatria	Veneto	17	425.810,00 €	
101	RF-2019-12371466	Patients transplanted with octogenarian livers: the effect of donor-recipient age-mismatches and liver ageing rate (Acronym Tx-LIVER-AGEING)	Trapiantologia	Emilia-Romagna	17	450.000,00 €	
102	RF-2019-12368544	Enhancement of HIV-1 Env neutralizing antibodies breadth and potency by the Tat/Env complex	Malattie Infettive	Istituto Superiore di Sanita'	17,5	450.000,00 €	
103	RF-2019-12368775	Microbiota composition as a novel biomarker and therapeutic strategy for Amyotrophic Lateral Sclerosis	Neurologia E Psichiatria	Piemonte	17,5	450.000,00 €	
104	RF-2019-12368883	Omics search for genetic markers associated with West Nile Neuroinvasive Disease in humans and West Nile Virus circulation in mosquitoes, to profile a personalized and environmental risk, translatable in the healthcare	Malattie Infettive	IZSLER	17,5	434.800,00 €	

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105	RF-2019-12369944	Pro-GLILD: A Multicenter prospective study for identifying novel diagnostic and prognostic markers for Granulomatous-Lymphocytic Interstitial Lung Disease (GLILD) by bronchoscopy and BALF analysis in Common Variable Immunodeficiency (CVID) patients.	Ematologia e Immunologia	Veneto	17,5	439.000,00 €	
106	RF-2019-12369997	Multilocus Genetic Scores predictive for Venous Thromboembolism Risk (MaGiSTER): real life evaluation and validation in a cohort of VTE patients	Ematologia e Immunologia	Emilia-Romagna	17,5	447.900,00 €	
107	RF-2019-12370114	SPRINTT-Bio (Sarcopenia and Physical frailty IN older people: multi-component Treatment strategies - Biomarker study)	Geriatrics	FONDAZIONE GEMELLI	17,5	450.000,00 €	
108	RF-2019-12370376	Tryptophan metabolism and effects on Psoriasis and Atherosclerosis inflammatory diseases	Dermatologia	HUMANITAS	17,5	450.000,00 €	
109	RF-2019-12370538	Modeling brain functions in Dementia using multimodal datasets	Neurologia E Psichiatria	MONDINO	17,5	450.000,00 €	
110	RF-2019-12371040	Targeting NAD+ level in age-related sarcopenia: impact on muscle, liver and adipose tissue metabolism	Geriatrics	Puglia	17,5	432.900,00 €	
111	RF-2019-12371293	Efficacy of a new combined motor and cognitive rehabilitation approach on brain and muscle involvement in Myotonic Dystrophy type 1.	Neurologia E Psichiatria	S.CAMILLO	17,5	450.000,00 €	
112	RF-2019-12369096	Single cell phenotyping to identify cell autonomous and cell non-autonomous determinants of resistance to immunotherapies in multiple myeloma.	Oncologia	Lombardia	17,75	450.000,00 €	
113	RF-2019-12368736	An integrated discovery, modeling and translational approach for rare diseases DISCOVERY	Diagnostica	MAGGIORE	18	448.333,00 €	
114	RF-2019-12368800	A novel 3D-printed bone substitute based on silk and decellularized bone matrix (DBM)- for improved bone regeneration in spinal arthrodesis.	Ortopedia	RIZZOLI	18	448.305,00 €	

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115	RF-2019-12368813	Novel approaches to optimize the clinical use of biological medicines and their biosimilars in rheumatology	Ortopedia	MARIO NEGRI	18	450.000,00 €	
116	RF-2019-12368830	Unravelling the role of T-cell lipid metabolism in non-AIDS defining illnesses and immunosenescence in HIV infection	Malattie Infettive	Istituto Superiore di Sanita'	18	450.000,00 €	
117	RF-2019-12369171	Mechanisms of cardiovascular protection of the new oral glucose-lowering drugs	Endocrinologia	FONDAZIONE GEMELLI	18	379.400,00 €	
118	RF-2019-12370083	Evaluation of IL-8 and CXCR1 levels in tears, conjunctival and aqueous humor of patients undergoing glaucoma filtration surgery to understand the role of IL-8 pathway in the scarring process that causes surgical failure in glaucoma filtration surgery.	Oculistica	BIETTI	18	450.000,00 €	
119	RF-2019-12370239	Chimeric antigen receptor gamma delta T cells as new strategy for HIV functional cure	Malattie Infettive	SPALLANZANI	18	450.000,00 €	
120	RF-2019-12370349	Surface-Projected-Fluid-Attenuated-Inversion-Recovery Statistical Analysis (SUPR-FLAIR SA).Advancements in the definition of the epileptogenic zone for the surgical treatment of drug-resistant epilepsy: surface-based statistical analysis of FLAIR-MR inte	Neurologia E Psichiatria	Lombardia	18	447.115,00 €	
121	RF-2019-12370455	Predictive molecular biomarkers to improve efficacy of the agents Ibrutinib, Idelalisib, and Venetoclax in the treatment of Chronic lymphocytic leukemia	Ematologia e Immunologia	FONDAZIONE GEMELLI	18	450.000,00 €	
122	RF-2019-12370625	PathogeneSis of IUpuS nephritis (SUSHI): role of DNase I in clearing chromatin/anti-chromatin immunocomplexes from glomeruli and its use as a new biomarker for kidney involvement in systemic lupus erythematosus.	Nefrologia e Urologia	MAGGIORE	18	450.000,00 €	
123	RF-2019-12370740	Adipose tissue dysfunction in aging, obesity and lipodystrophy	Geriatraia	Veneto	18	450.000,00 €	

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124	RF-2019-12370863	Development of a surrogate synovial biopsy approach for in situ analysis of peripheral pathology in rheumatoid arthritis patients with active and quiescent disease.	Ortopedia	SAN MATTEO	18	207.570,00 €	
125	RF-2019-12370891	Screening and pre-clinical validation of personalized therapies for Numb dysfunctional breast cancers: a step towards mechanism-based clinical trials	Oncologia	I.E.O.	18	429.000,00 €	
126	RF-2019-12370916	Longevity-Associated-Variant of BPIFB4: a prognostic marker and novel therapeutic tool for vascular diabetic complications	Cardiologia- Pneumologia	NEUROMED	18	449.500,00 €	
127	RF-2019-12370964	Repeated influenza vaccination and reduced influenza vaccine effectiveness: investigating the effect of the immune response in Health care workers vaccinated in subsequent seasons.	Malattie Infettive	OSPEDALE BAMBINO GESU'	18	447.250,00 €	
128	RF-2019-12371155	SELECTIVE TARGETING OF THE MEMBRANE VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR-1 (VEGFR-1) IN ENDOTHELIAL AND INFLAMMATORY CELLS FOR DIABETIC RETINOPATHY WITH A NEW MONOCLONAL ANTIBODY THAT SPARES THE ANTIANGIOGENIC ACTIVITY OF THE SOLUBLE VEGFR-1	Oculistica	BIETTI	18	450.000,00 €	
129	RF-2019-12369001	Novel pathogenetic mechanisms and potential therapeutic targets for developmental and epileptic encephalopathies caused by lysosomal/autophagic dysfunction: a multidisciplinary approach	Neurologia E Psichiatria	Ospedale Policlinico San Martino	18,25	420.000,00 €	
130	RF-2019-12368558	Diflunisal for Myeloma and Haematopoietic Stem Progenitor Cells (HSPCs) mobilization	Ematologia e Immunologia	SAN RAFFAELE MILANO	18,5	450.000,00 €	
131	RF-2019-12368722	Salivary and stool cellular and molecular biomarkers discovery for colorectal and pancreatic cancer diagnosis	Diagnostica	Veneto	18,5	403.000,00 €	

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132	RF-2019-12369016	An unbiased analysis of the axonal translome in amyotrophic lateral sclerosis - a search for new disease biomarkers and therapeutic targets	Neurologia E Psichiatria	SAN RAFFAELE MILANO	18,5	450.000,00 €	
133	RF-2019-12369163	Metabolic and functional recovery of NK-cells as a novel therapeutic strategy in Hepatocellular Carcinoma	Oncologia	Emilia-Romagna	18,5	448.780,00 €	
134	RF-2019-12370075	Epigenetic and environmental factors can influence response to therapy in rheumatoid arthritis and juvenile idiopathic arthritis	Ematologia e Immunologia	Lombardia	18,5	450.000,00 €	
135	RF-2019-12370194	Multimodal and translational biomarkers through novel non-invasive approach in Rett Disorders	Neurologia E Psichiatria	STELLA MARIS	18,5	450.000,00 €	
136	RF-2019-12370437	Novel tool for community-wide antimicrobial resistance surveillance (NOVELTY)	Malattie Infettive	MARIO NEGRI	18,5	407.700,00 €	
137	RF-2019-12370710	Multicentre family study of risk factors for coeliac disease and its co-morbidities.	Gastroenterologia	Toscana	18,5	444.917,00 €	
138	RF-2019-12371224	Imaging and hemodynamic-based computational model to investigate and predict right ventricular dysfunction in patients with Systemic Scleroderma	Cardiologia-Pneumologia	MAGGIORE	18,5	381.111,12 €	
139	RF-2019-12371439	Gene Modified Stromal Progenitors for Pancreatic Diseases: from 3D Organoids to Advanced Therapeutics	Oncologia	MAGGIORE	18,5	445.222,22 €	
140	RF-2019-12368941	Understanding autoimmune encephalitis with epilepsy: role of Peripheral Immunity (Peripheral Blood Mononuclear cells and auto-antibodies)	Neurologia E Psichiatria	CARLO BESTA	19	420.200,00 €	
141	RF-2019-12369275	Unravelling the pathophysiological and molecular mechanisms of ISYNA1 dysregulation in familial diabetes of the adulthood: in vitro and in vivo study in mouse and man.	Endocrinologia	CASA SOLLIEVO SOFFERENZA	19	450.000,00 €	
142	RF-2019-12369525	Stairways to the brain: putting theory into practice via spinal cord stimulation for cognitive recovery	Riabilitazione	SANTA LUCIA	19	422.000,00 €	

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143	RF-2019-12369692	The role of the Sonic Hedgehog signaling pathway in Cerebellar injury due to Obstructive Sleep Apnea	Neurologia E Psichiatria	FONDAZIONE GEMELLI	19	445.500,00 €	
144	RF-2019-12369695	Asymmetric liposomes carrying mRNA as a promising novel vaccine approach against bacterial diseases: the Mycobacterium tuberculosis and Streptococcus pneumoniae models	Malattie Infettive	Istituto Superiore di Sanita'	19	449.870,00 €	
145	RF-2019-12370035	Amyloid-beta, tau and nicotinic acetylcholine receptors: a novel interpretation of Alzheimer's disease, from bench to bedside	Neurologia E Psichiatria	I.N.R.C.A.	19	437.000,00 €	
146	RF-2019-12370043	Interplay between P53 and metabolism in lymphoproliferative disorders: from mechanisms to therapeutics	Oncologia	Ospedale Policlinico San Martino	19	450.000,00 €	
147	RF-2019-12370563	ROLE AND CHARACTERIZATION OF MICRORNAS TO IMPROVE LUNG LARGE CELL NEUROENDOCRINE CARCINOMA PROGNOSIS AND THERAPY	Oncologia	ISTITUTO TUMORI MILANO	19	449.350,00 €	
148	RF-2019-12370569	Targeting the surgery pro-metastatic effect by perioperative NSAIDs in breast carcinoma patients according to systemic inflammation	Oncologia	ISTITUTO TUMORI MILANO	19	425.150,00 €	
149	RF-2019-12371002	Preclinical set-up of a novel immunotherapy approach based on the usage of engineered APCs.	Oncologia	I.E.O.	19	450.000,00 €	
150	RF-2019-12371343	Novel therapeutic options for glioblastoma treatment based on fibronectin-adherent mononuclear cells as carriers for delivering paclitaxel by innovative approaches	Oncologia	CARLO BESTA	19	438.900,00 €	
151	RF-2019-12368627	How to improve pertussis control strategies: from molecular epidemiology to immune response to vaccination	Malattie Infettive	Istituto Superiore di Sanita'	19,5	432.450,00 €	

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152	RF-2019-12368668	Hirschsprung's disease as a model to investigate the impact of resection length on intestinal microbiota and its role in acute and chronic inflammation, bacterial overgrowth and overall intestinal functioning.	Gastroenterologia	Piemonte	19,5	345.620,00 €	
153	RF-2019-12368774	Predictors of trajectories of functioning in schizophrenia: a 1-year follow-up study	Neurologia E Psichiatria	Puglia	19,5	450.000,00 €	
154	RF-2019-12368933	Emerging infections from Mycobacterium chimaera and Mycobacterium avium subsp. hominissuis: shedding light on pathogenesis and therapeutic approaches	Malattie Infettive	Veneto	19,5	450.000,00 €	
155	RF-2019-12369007	Dissecting the tumor secretome and immune heterogeneity in the tumor microenvironment of high-risk neuroblastoma patients to identify new molecular mechanisms underlying T cell exhaustion and improve immunotherapy approaches	Oncologia	OSPEDALE BAMBINO GESU'	19,5	450.000,00 €	
156	RF-2019-12369542	Tackling the risk of all-cause mortality in patients with type 2 diabetes: a comprehensive evaluation of both metabolomic and inflammatory markers for improving the ENFORCE predictive model	Endocrinologia	CASA SOLLIEVO SOFFERENZA	19,5	450.000,00 €	
157	RF-2019-12369955	Outcome prediction of melanoma patients treated with immune checkpoint inhibitors by metabolomic, cytokinomic and transcriptomic signatures	Oncologia	PASCALE	19,5	449.000,00 €	
158	RF-2019-12370492	PREVALENCE, FUNCTION AND TREATMENT OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR GENE MUTATIONS IN BRONCHIECTASIS PATIENTS	Cardiologia-Pneumologia	MAGGIORE	19,5	437.000,00 €	
159	RF-2019-12370874	Get wind of something: Texture Analyses in experimental Oncology. Tao trial	Oncologia	Emilia-Romagna	19,5	450.000,00 €	

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160	RF-2019-12371361	Identification of miRNA signature for diagnosis of early cardiac involvement in Fabry disease	Diagnostica	Friuli-Venezia Giulia	19,5	430.000,00 €	
161	RF-2019-12371412	Postural abnormalities in Parkinson's disease: early identification of at-risk patients, predictors of long-term outcome and optimization of rehabilitative treatment.	Neurologia E Psichiatria	Veneto	19,5	373.900,00 €	
162	RF-2019-12371521	Innovative reconditioning strategies with application of mesenchymal stromal cells/mesenchymal stromal cells derived extracellular vesicles in human kidney transplantation	Trapiantologia	Emilia-Romagna	19,5	449.998,00 €	
163	RF-2019-12368549	Dissecting the role of neurodegeneration-associated tau protein in cancer: pathological molecular mechanisms and therapeutic implications	Oncologia	CARLO BESTA	20	428.376,00 €	
164	RF-2019-12368663	Impact of non-HLA donor characteristics on immune reconstitution and clinical outcomes of haploidentical stem cell transplantation with post-transplant cyclophosphamide for the treatment of hematological malignancies	Ematologia e Immunologia	Piemonte	20	450.000,00 €	
165	RF-2019-12368986	A multimodal approach to finding novel insights and therapeutic strategies in malignant pleural mesothelioma (MIMES)	Oncologia	Istituto Scientifico Romagnolo	20	449.986,75 €	
166	RF-2019-12369319	Gut microbiota signature, microbial and molecular markers. A pilot study for early colorectal cancer detection	Oncologia	Toscana	20	446.220,00 €	
167	RF-2019-12369834	Cure of arterial hypertension due to aldosteronism through functional imaging of the adrenals	Endocrinologia	Veneto	20	449.500,00 €	
168	RF-2019-12369943	Role of CD147 expression and its blockade in inflammatory bowel disease intestinal fibrosis	Gastroenterologia	Istituto Superiore di Sanita'	20	438.969,00 €	
169	RF-2019-12370321	Building engineered cellular products for immunotherapy of epithelial ovarian cancer	Oncologia	SAN RAFFAELE MILANO	20	450.000,00 €	

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170	RF-2019-12370546	Generation of a large biobank for the study of prognostic biomarkers of ischemic cardiovascular disease: studies in patients with atherosclerosis	Diagnostica	Umbria	20	388.000,00 €	
171	RF-2019-12370654	Extracellular vesicles from mesenchymal stromal cells to repair and regenerate the kidney	Nefrologia e Urologia	MARIO NEGRI	20	371.000,00 €	
172	RF-2019-12370698	Characterization of the innate memory immune response induced by an attenuated Salmonella typhimurium vaccine in pigs	Veterinaria	Istituto Superiore di Sanita'	20	417.000,00 €	
173	RF-2019-12370722	A life-course approach to investigate the role of protein-coding/non-coding variants on major syndemic morbidities associated with obesity in youth.	Endocrinologia	OSPEDALE BAMBINO GESU'	20	446.160,00 €	
174	RF-2019-12370812	TARGETING DRUG TOLERANCE TO SHORTEN TUBERCULOSIS THERAPY AND TACKLE DRUG RESISTANCE	Malattie Infettive	Istituto Superiore di Sanita'	20	300.000,00 €	
175	RF-2019-12370878	eIF2alpha-driven translation reprogramming as a therapeutic target in triple-negative breast cancer	Oncologia	SAN RAFFAELE MILANO	20	450.000,00 €	
176	RF-2019-12371179	Cyclic joint loading and molecular cartilage homeostasis: towards the design of rehabilitation programs limiting progression of human knee osteoarthritis and modulating inflammation (OA-KNEELOAD)	Ortopedia	RIZZOLI	20	439.920,00 €	
177	RF-2019-12371369	The molecular interface connecting metabolic stress and cardiovascular aging in chronic kidney disease	Trapiantologia	Puglia	20	450.000,00 €	
178	RF-2019-12371545	Multimorbidity in the general population of three Italian regions: development of a multimorbidity score to investigate the trajectories of accelerated rise in multimorbidity and resource consumption by socioeconomic position.	Geriatrica	Lazio	20	400.000,00 €	

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179	RF-2019-12368555	the proNGF/p75NTR inflammatory pathway as a novel target for the treatment of chronic arthritis	Ematologia e Immunologia	OSPEDALE BAMBINO GESU'	20,5	391.600,00 €	
180	RF-2019-12368573	New corrective molecules for the treatment of cardiac alterations in septic shock: towards an innovative therapeutic drug	Cardiologia-Pneumologia	HUMANITAS	20,5	450.000,00 €	
181	RF-2019-12368628	PRECISION COMBINED IMMUNOTHERAPY FOR PANCREATIC CANCER BASED ON DNA VACCINATION TO TUMOR ASSOCIATED ANTIGENS	Ematologia e Immunologia	Piemonte	20,5	443.600,00 €	
182	RF-2019-12368801	Clinical and molecular approach to decipher the etiopathogenesis of undiagnosed overgrowth disorders	Pediatria	Piemonte	20,5	450.000,00 €	
183	RF-2019-12369181	Mechanisms of carcinogenesis in colorectal cancer: role of the bacterial toxin CNF1, nutrition and immunity	Malattie Infettive	Istituto Superiore di Sanita'	20,5	446.000,00 €	
184	RF-2019-12369725	HUMAN BROWN ADIPOSE STEM CELLS FOR NOVEL THERAPEUTIC INTERVENTION IN DIABETES AND OBESITY Acronym: BRANDO	Endocrinologia	Toscana	20,5	399.600,00 €	
185	RF-2019-12369835	Early life stress exposure as a novel environmental risk factor for the onset and progression of PD: involvement of neuron-immune system interaction.	Neurologia E Psichiatria	Lazio	20,5	448.227,00 €	
186	RF-2019-12370082	Neurodevelopmental disorders: SNAP25 involvement in cognitive and behavioral manifestations and in the response to behavioural treatment	Neurologia E Psichiatria	DON GNOCCHI	20,5	446.500,00 €	
187	RF-2019-12370387	Functional characterization and preclinical assessment of a novel candidate Inflammatory Bowel Disease causal gene	Ematologia e Immunologia	I.E.O.	20,5	445.000,00 €	
188	RF-2019-12371032	New compounds targeting the NOTCH network: a novel paradigm for chronic lymphocytic leukemia targeted therapy	Ematologia e Immunologia	Umbria	20,5	450.000,00 €	

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189	RF-2019-12371099	SECRETED CIRCULAR RNAS AS NOVEL PROGNOSTIC BIOMARKERS IN TRIPLE-NEGATIVE BREAST CANCER	Oncologia	REGINA ELENA	20,5	450.000,00 €	
190	RF-2019-12371117	Dyskinesia in Parkinson's Disease: multimodal evaluation of clinical characteristics, burden, biomarkers, risk factors and quality of life for a personalized treatment	Neurologia E Psichiatria	SAN RAFFAELE PISANA	20,5	439.000,00 €	
191	RF-2019-12371118	DISSECTING MOLECULAR HETEROGENEITY OF B-CELL CHRONIC LYMPHOPROLIFERATIVE DISORDERS THROUGH THE APPLICATION OF MACHINE LEARNING TECHNOLOGY	Ematologia e Immunologia	SAN MATTEO	20,5	448.615,00 €	
192	RF-2019-12371129	Ocular Discomfort and dryness: testing biomarkers for early Intervention and inNOvative personalized therapy	Oculistica	BIETTI	20,5	428.400,00 €	
193	RF-2019-12371239	Tailoring healthy aging in the elderly.Validation of Intrinsic Capacity Index assessed by means of voice assistance technology through machine learning data tuning in an HIV model of accentuated aging in comparison to the general population.	Geriatrics	Emilia-Romagna	20,5	449.400,00 €	
194	RF-2019-12371393	Integration of advanced CT imaging and molecular biomarkers of coronary atherosclerosis for the development of new computational models of cardiovascular risk. INTERPRET CAD (INTEgrated Risk PREdictor Tool in CAD)	Cardiologia-Pneumologia	MONZINO	20,5	449.027,27 €	
195	RF-2019-12368640	Generation of a GBM biobank from patient tumor core and peritumoral brain zone (PBZ) as research platform for the discovery of novel biomarkers with potential theranostic value	Oncologia	Abruzzo	21	450.000,00 €	

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196	RF-2019-12368927	Validating circulating biomarkers of Crohn's disease by single molecule immunoassays and Raman profiling of plasma samples: toward a diagnostic tool for patients with immune-mediated inflammatory disorders (VICTORIA)	Gastroenterologia	Lombardia	21	426.222,00 €	
197	RF-2019-12370246	Liquid biopsies in facioscapulohumeral muscular dystrophy (FSHD): muscle-derived exosomes and cell-free DNA characterization for prognostic biomarker development	Neurologia E Psichiatria	FONDAZIONE GEMELLI	21	449.350,00 €	
198	RF-2019-12370255	Identification and validation of biomarkers to predict response to immunotherapy in endometrial cancer	Diagnostica	Calabria	21	450.000,00 €	Art.1, comma 469 L. 27/12/2019 n.160
199	RF-2019-12370259	Whole-body cryotherapy for personalized treatment of morbid obesity	Endocrinologia	AUXOLOGICO	21	418.510,00 €	
200	RF-2019-12370346	Urinary-based liquid biopsy analysis of Extracellular Vesicles nucleic acid cargo for the identification of prognosis and castration-resistance biomarkers in Prostate Cancer patients	Oncologia	CROB	21	450.000,00 €	
201	RF-2019-12370398	'ONE HEALTH' approach to Usutu virus: understanding the transmission dynamics, immune response and pathogenesis of an emerging mosquito-borne virus extensively spreading in Europe	Malattie Infettive	SPALLANZANI	21	450.000,00 €	
202	RF-2019-12370585	Spatiotemporal entrainment of cerebello-cerebral activity for the functional rehabilitation of social perception abilities in neuropsychiatric cerebellar diseases	Neurologia E Psichiatria	MONDINO	21	450.000,00 €	
203	RF-2019-12370603	Unleashing RB tumor suppressor potential against mesothelioma	Oncologia	PASCALE	21	187.060,00 €	
204	RF-2019-12371173	Innovative prognostic and predictive models in myelodysplastic syndromes. A basis for the implementation of a precision medicine program into the national health system	Ematologia e Immunologia	Toscana	21	409.000,00 €	

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205	RF-2019-12371278	Immunologic signature as predictive biomarker for tumor outcome	Oncologia	Toscana	21	446.600,00 €	
206	RF-2019-12371515	Combinatorial targeting of high-grade MYC/BCL2-associated B-cell lymphomas	Oncologia	I.E.O.	21	450.000,00 €	
207	RF-2019-12368886	Low-Grade Epilepsy Associated Tumors (LEAT) Low-Grade Gliomas (LGG): molecular characteristics and biomarkers for treatment response and prognosis.	Oncologia	NEUROMED	21,5	450.000,00 €	
208	RF-2019-12369184	Coronary blood Flow dynamics based on Optical Coherence tomography to improve Outcome Study (FOCUS)	Cardiologia-Pneumologia	FONDAZIONE GEMELLI	21,5	395.600,00 €	
209	RF-2019-12369224	Primary mitochondrial myopathies: evaluation of response to a dietary amino-acid formula in disease models and patients (AMINO4MITO)	Neurologia E Psichiatria	CARLO BESTA	21,5	444.069,90 €	
210	RF-2019-12369949	Quantification and toxicological risk of PHARMACEUTICALS in SEAfood (PHARMASEA)	Veterinaria	IZSUM	21,5	297.000,00 €	
211	RF-2019-12370041	Evaluation of circulating biomarkers to monitor treatment efficacy and disease progression in patients with osteosarcoma and Ewing's sarcoma	Oncologia	RIZZOLI	21,5	447.590,00 €	
212	RF-2019-12370084	Extracellular matrix in Amyloidosis and Fibrosis: biochemical, physical and clinical features of a very challenging diagnostic and therapeutic target	Ematologia e Immunologia	SAN MATTEO	21,5	422.000,00 €	
213	RF-2019-12370809	Ex vivo melanoma modeling to design new combination therapies	Oncologia	I.E.O.	21,5	422.000,00 €	
214	RF-2019-12371434	Muscle hypertonia in patients with multiple sclerosis: two phenomena for a single clinical sign	Riabilitazione	Ospedale Policlinico San Martino	21,5	378.611,10 €	
215	RF-2019-12368579	Improving the understanding of immune dysregulation-associated cancer: focus on PIDs	Ematologia e Immunologia	Toscana	22	450.000,00 €	
216	RF-2019-12369238	A multidisciplinary approach for the treatment of substance use disorder	Neurologia E Psichiatria	SANTA LUCIA	22	448.232,00 €	

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217	RF-2019-12369615	Manipulating Endoplasmic Reticulum Redoxstasis and Protein Quality Control to Correct Delivery of Mutant Polycystin 1 to the Plasma Membrane	Nefrologia e Urologia	SAN RAFFAELE MILANO	22	450.000,00 €	
218	RF-2019-12369771	Sex-linked IFN-metabolic signatures predicting resistance to Immune checkpoint Inhibitors in NSCLC	Oncologia	Istituto Superiore di Sanita'	22	449.921,00 €	
219	RF-2019-12370015	Elaboration of a strategy to detect missing Familial Hypercholesterolemia in Italy	Diagnostica	Sicilia	22	447.000,00 €	
220	RF-2019-12370131	Molecular, cellular and immune components affecting the response to BRAF mutated inhibitors in melanoma	Oncologia	Istituto Superiore di Sanita'	22	396.100,00 €	
221	RF-2019-12370184	Identification of New Potential Biomarkers Associated with the Development of Cardiovascular Disease in Type 2 Diabetes (T2D), Chronic Kidney Disease (CKD) and Diabetic Kidney Disease (DKD).	Endocrinologia	Abruzzo	22	336.600,00 €	
222	RF-2019-12370304	COGNITIVE/BEHAVIOURAL PROFILES IN MOTOR NEURON DISEASE AND THEIR NEURAL CORRELATE: A DATA-DRIVEN APPROACH	Neurologia E Psichiatria	MONDINO	22	450.000,00 €	
223	RF-2019-12370448	Genomic and metagenomic landscape of early onset colorectal cancer: implications for personalized prevention	Oncologia	FONDAZIONE GEMELLI	22	430.000,00 €	
224	RF-2019-12370502	Precision Nutritional Therapy in Binge Eaters and Food Addictive obese subjects: the BED&FAD randomized dietary intervention study	Endocrinologia	AUXOLOGICO	22	387.500,00 €	
225	RF-2019-12370955	Gut microbiota and innate immune memory in the extremes of coronary artery disease spectrum: diagnostic, prognostic and therapeutic implications	Cardiologia-Pneumologia	FONDAZIONE GEMELLI	22	442.000,00 €	
226	RF-2019-12371333	ASSESSMENT OF THE EFFECTS OF SCN5A MUTATIONS ON NAV1.5 SODIUM CHANNEL STRUCTURE AND ACTIVITY IN BRUGADA SYNDROME	Cardiologia-Pneumologia	SAN DONATO	22	388.300,00 €	

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227	RF-2019-12371342	Novel circulating biomarkers in the detection of fibrosis in atrial	Cardiologia-Pneumologia	SAN DONATO	22	271.000,00 €	
228	RF-2019-12368846	Rescue of muscular dystrophy and peripheral neuropathy in LAMA2-Related Disease	Neurologia E Psichiatria	SAN RAFFAELE MILANO	22,5	450.000,00 €	
229	RF-2019-12368858	An innovative immuno-theranostic strategy for metastatic disease	Oncologia	Ospedale Policlinico San Martino	22,5	450.000,00 €	
230	RF-2019-12369203	Deep-learning prediction of prostate cancer evolution by longitudinal modeling of prostate cancer organotypic slices biology and patients' outcome	Oncologia	FONDAZIONE GEMELLI	22,5	433.200,00 €	
231	RF-2019-12369581	A new strategy to enhance cortical GABAergic inhibitory neurotransmission and treat epilepsy: positive allosteric modulation of human neuronal nicotinic acetylcholine receptors	Neurologia E Psichiatria	NEUROMED	22,5	364.540,00 €	
232	RF-2019-12369674	Assessing the role of the immature Surfactant Protein B and its genetic variants in the dysfunctionality of the human anti-atherogenic high-density lipoproteins: a novel causative risk marker of heart failure?	Cardiologia-Pneumologia	MONZINO	22,5	449.000,00 €	
233	RF-2019-12370000	"The impact of obesity and adipose tissue dysfunction in the tumor microenvironment on cancer progression: novel therapeutic perspectives in oncology for hepatocarcinoma and colorectal cancer" Acronym: OBSTINACY	Endocrinologia	Toscana	22,5	450.000,00 €	
234	RF-2019-12370702	Host genetic modifiers in Philadelphia-negative myeloproliferative neoplasms: role of chemo/cytokine polymorphisms as biomarkers of disease evolution and development of risk factors	Diagnostica	Emilia-Romagna	22,5	404.800,00 €	
235	RF-2019-12370732	Identification of epigenetic biomarkers for early discrimination of specific ALS phenotypes	Neurologia E Psichiatria	MONDINO	22,5	450.000,00 €	

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236	RF-2019-12370889	Identification of novel immune-biomarkers of post-kidney transplantation neoplasia.	Trapiantologia	Piemonte	22,5	450.000,00 €	
237	RF-2019-12370996	GUT MICROBIOTA, PERMEABILITY AND miRNA INTERPLAY IN NON-CELIAC GLUTEN SENSITIVITY	Gastroenterologia	Emilia-Romagna	22,5	450.000,00 €	
238	RF-2019-12371049	Natural killer cell response to cytomegalovirus and risk of cerebrovascular disease associated to atherosclerotic plaque instability	Neurologia E Psichiatria	Ospedale Policlinico San Martino	22,5	444.957,78 €	
239	RF-2019-12371074	A comparison between the diagnostic accuracy of ultrasound thoracic imaging and that of the other imaging techniques which are commonly used when assessing patients with heart failure, acute respiratory failure, pulmonary fibrosis and chronic obstructive	Cardiologia-Pneumologia	Toscana	22,5	390.000,00 €	
240	RF-2019-12368913	Human neural stem cells as a model system to study Smith-Magenis Syndrome: advanced technologies to study functional behaviour and metabolism, single cell transcriptional expression and their relationship with clinical and genetic factors.	Pediatria	CASA SOLLIEVO SOFFERENZA	23	446.500,00 €	
241	RF-2019-12369213	Web-based interactive multidisciplinary interregional platform for HCC clinical management and translational studies	Gastroenterologia	Emilia-Romagna	23	448.800,00 €	
242	RF-2019-12369332	Deciphering the interplay between melanoma cells and its microenvironment in order to identify new biomarkers and effective therapeutic approaches	Oncologia	REGINA ELENA	23	450.000,00 €	
243	RF-2019-12370025	Identification of a panel of urinary biomarkers for the oncological outcome prediction in non-muscle invasive T1HG bladder cancer patients treated with BCG: a new tool for decision-making.	Oncologia	Piemonte	23	441.365,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
244	RF-2019-12370429	Reconstitution of HBV-specific CD8 T cell function as a therapeutic strategy for chronic HBV infection	Malattie Infettive	Emilia-Romagna	23	449.949,68 €	
245	RF-2019-12370678	Next-generation antibacterials: new targets for old drugs and new drugs for old targets	Malattie Infettive	FONDAZIONE GEMELLI	23	450.000,00 €	
246	RF-2019-12371336	Novel systems medicine approach to predict response to therapy in bladder cancer patients	Oncologia	SAN RAFFAELE MILANO	23	450.000,00 €	
247	RF-2019-12368660	Towards the remote monitoring of heart mechanics in cardiac patients	Riabilitazione	DON GNOCCHI	23,5	372.000,00 €	
248	RF-2019-12368887	Complement activation and vascular remodeling for diagnosis and treatment of severe dermatomyositis	Ematologia e Immunologia	SAN RAFFAELE MILANO	23,5	450.000,00 €	
249	RF-2019-12369081	Role of HLA-E molecule in the immune response against Mycobacterium tuberculosis infection.	Malattie Infettive	Sicilia	23,5	450.000,00 €	
250	RF-2019-12369610	ADVANCED QUANTITATIVE NEUROPHYSIOLOGICAL CORRELATES OF COGNITIVE NEUROREHABILITATION INTERVENTIONS WITH LONG-TERM HOME-BASED TECHNOLOGY IN TELEMEDICINE	Neurologia E Psichiatria	Associazione Oasi Maria SS	23,5	450.000,00 €	
251	RF-2019-12369779	Role of gut mucosal immunity on behavioral and neuroinflammatory profile in autism	Neurologia E Psichiatria	Istituto Superiore di Sanita'	23,5	440.222,16 €	
252	RF-2019-12370108	Vaccine efficacy and vaccination adherence in immune disorders: autoimmunity, immunodeficiency or cancer under checkpoint inhibitors treatment	Ematologia e Immunologia	Toscana	23,5	360.000,00 €	
253	RF-2019-12370858	Paclitaxel-loaded mesenchymal stromal cells as novel therapeutic approach against malignant pleural mesothelioma: a comprehensive study	Cardiologia-Pneumologia	SAN MATTEO	23,5	450.000,00 €	
254	RF-2019-12370883	TRACing the sprEad of carbapenemase-producing Klebsiella pneumoniae within hospital and patients' families (TRACE)	Malattie Infettive	Veneto	23,5	450.000,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
255	RF-2019-12371406	Uncovering the functional link between 15q25.2 microdeletion and deficiency in neurodevelopment using iPSC-derived human neurons and mouse models	Neurologia E Psichiatria	CASA SOLLIEVO SOFFERENZA	23,5	450.000,00 €	
256	RF-2019-12368997	Health Technology assessment of innovative Approaches to target personalized Primary PrevENTION interventions	Diagnostica	FONDAZIONE GEMELLI	24	450.000,00 €	
257	RF-2019-12369876	Transcriptome driven approach to discover the role of the non-coding elements in neuromuscular diseases	Neurologia E Psichiatria	MEDEA	24	450.000,00 €	
258	RF-2019-12370140	Large-scale genome analysis of Epstein-Barr virus in autoimmune diseases	Ematologia e Immunologia	MEDEA	24	450.000,00 €	
259	RF-2019-12370636	Linking airway mucus to host genotype in cystic fibrosis: a novel paradigm for this lung pathology	Cardiologia-Pneumologia	SAN RAFFAELE MILANO	24	450.000,00 €	
260	RF-2019-12370848	Non-invasive multimodal imaging of gene-engineered TCR/CAR T cells to monitor efficacy and toxicity	Ematologia e Immunologia	SAN RAFFAELE MILANO	24	450.000,00 €	
261	RF-2019-12370860	INGERAC: Improving stratification of metastatic colorectal cancer by Integration of Genomic, Radiomic and Clinical data.	Oncologia	Istituto Oncologico Candiolo	24	449.777,77 €	
262	RF-2019-12370924	Detailing and quantifying the basis of phenotypic heterogeneity of PRNP E200K and V210I mutations in Italy: a model for improving the management of neurodegenerative diseases	Neurologia E Psichiatria	Istituto Scienze Neurologiche	24	450.000,00 €	
263	RF-2019-12368792	Exploring the EBV-immune system unbalance in multiple sclerosis using a multifaceted approach to identify disease mechanisms and biomarkers	Neurologia E Psichiatria	Istituto Superiore di Sanita'	24,5	449.828,00 €	
264	RF-2019-12369434	Biomarkers of neuroplasticity in cognitive decline related to inflammatory encephalopathy	Neurologia E Psichiatria	FONDAZIONE GEMELLI	24,5	450.000,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
265	RF-2019-12369464	SELECTION OF A LEAD COMPOUND FOR THE SPECIFIC INHIBITION OF AEROBIC GLYCOLYSIS: A NEW DRUG CLASS FOR THE TREATMENT OF AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE	Nefrologia e Urologia	Emilia-Romagna	24,5	445.499,00 €	
266	RF-2019-12370814	Validation of a multi-observational protocol for early detection of neurodevelopmental disorders in preterm infants.	Neurologia E Psichiatria	Istituto Superiore di Sanita'	24,5	426.400,00 €	
267	RF-2019-12371408	Identification of novel and non-invasive biomarkers for the early diagnosis of Alzheimer's disease	Neurologia E Psichiatria	Piemonte	24,5	370.500,00 €	
268	RF-2019-12370441	Multidisciplinary study to identify the link between presbycusis and aging brain for a tailored rehabilitative therapy	Otorinolaringoiatria e Odontoiatria	FONDAZIONE GEMELLI	24,75	450.000,00 €	
269	RF-2019-12368520	BRain Activity underpinning High-level cognition inter-hemispherically Modulated to rehabilitate Stroke (BRAHMS)	Neurologia E Psichiatria	S.CAMILLO	25	450.000,00 €	
270	RF-2019-12369681	Combinatorial biomarkers of network dysfunction to predict epilepsy and progressive cognitive decline after severe neurotrauma for personalized medicine interventions	Neurologia E Psichiatria	MARIO NEGRI	25	450.000,00 €	
271	RF-2019-12370039	Interplay among semen microbial communities, metabolomic profile and sperm functions	Endocrinologia	Toscana	25	385.000,00 €	
272	RF-2019-12370383	Is a radiomic signature able to anticipate RECIST disease progression in advanced thyroid cancer? Clinical and therapeutic implications in patients management	Oncologia	ISTITUTO TUMORI MILANO	25	443.120,00 €	
273	RF-2019-12370645	Novel bio-markers of maternal cardiovascular disease in pregnancies complicated by fetal growth restriction and hypertensive disorders	Ostetricia e Ginecologia	MAGGIORE	25	433.110,33 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
274	RF-2019-12370804	Chondroitin sulfate proteoglycan 4 (CSPG4)-directed CAR-T cells for glioblastoma therapy moving toward the clinic	Oncologia	CARLO BESTA	25	449.800,00 €	
275	RF-2019-12370969	Integration of Multiparametric MRI and Multi-omics based approaches to decipher response to standard frontline therapy in High Grade Serous Ovarian Cancer patients.	Oncologia	Istituto Superiore di Sanita'	25	425.001,10 €	
276	RF-2019-12371178	Influence of polymorphisms of the MERTK gene on the HCC development in patients with chronic HCV or HBV infection.	Gastroenterologia	Sicilia	25	450.000,00 €	
277	RF-2019-12371315	Normothermic Machine Perfusion for graft assessment of Non-Heart Beating Donor Livers with prolonged warm ischemia, and avoidance of Recooling Before Engrafting in a Porcine Model of Liver Transplantation.	Trapiantologia	ISMETT	25	449.900,00 €	
278	RF-2019-12368623	Development of Patient Specific Murine Models for the Identification of Mechanisms of Resistance to Immunotherapy of Malignant Melanoma	Oncologia	Ospedale Policlinico San Martino	25,5	450.000,00 €	
279	RF-2019-12370163	Longitudinal study of anxious and depressive traits from childhood to early adulthood: hunting for epigenetic and neurophysiological markers in an Italian twin cohort	Neurologia E Psichiatria	Istituto Superiore di Sanita'	25,5	400.950,00 €	
280	RF-2019-12371474	Preclinical evaluation of a combined host- and pathogen-directed therapy to cure tuberculosis: exploiting autophagy-promoting antagomiRs to potentiate antibiotic treatments through inhalable liposomes.	Malattie Infettive	Istituto Superiore di Sanita'	25,5	449.774,00 €	
281	RF-2019-12371563	Targeting the epigenetic regulator SUV420H and the iron regulator hepcidin as innovative therapeutic approach for non-alcoholic fatty liver disease	Gastroenterologia	SAN RAFFAELE MILANO	25,5	450.000,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
282	RF-2019-12368833	Improvement of anti-PD-1 therapy in melanoma: searching for circulating biomarkers of response, decoding the cross talk between PD-1 and other immunomodulatory receptors and exploiting the immune-enhancing properties of an EGFR/DNA dual-targeting molecule	Oncologia	ISTITUTO DERMOPATICO DELL'IMMACOLATA	26	450.000,00 €	
283	RF-2019-12368848	Dissecting the interplay between microRNA-9-5p and hormone receptor regulated pathways to identify biomarker of disease progression in estrogen receptor positive breast cancer.	Oncologia	CASA SOLLIEVO SOFFERENZA	26	450.000,00 €	
284	RF-2019-12368860	Clinical Utility of Minimally Invasive Biomarkers for Colorectal Cancer Early Diagnosis and Stratification of at-Risk Subjects: Focus on Liquid Biopsy and Urinary Biomarkers, Metabolomics and Genetic Susceptibility	Diagnostica	Toscana	26	447.040,00 €	
285	RF-2019-12369015	Re-defining the molecular risk in ALK and ROS1 positive NSCLC patients.	Oncologia	CASA SOLLIEVO SOFFERENZA	26	450.000,00 €	
286	RF-2019-12369058	Diabetes onset and complication in hematopoietic humanized mice	Endocrinologia	Veneto	26	450.000,00 €	
287	RF-2019-12369129	Quantum dots nanotechnology to implement diagnosis of Paratuberculosis	Veterinaria	Sardegna	26	448.000,00 €	
288	RF-2019-12370144	Dynamic of hepatitis E virus (HEV) infection in suidae	Veterinaria	Istituto Superiore di Sanita'	26	370.000,00 €	
289	RF-2019-12370278	Targeting Cyclin-Dependent Kinases as a combination strategy in PAX3-FOXO1 pediatric rhabdomyosarcoma	Oncologia	OSPEDALE BAMBINO GESU'	26	449.790,00 €	
290	RF-2019-12370544	An Italian seminal project of an integrative Human Uterine Microbiome Database (iHUMD) to collect information on a possible relationship between uterine microbiome modifications and endometrial cancer	Oncologia	CASA SOLLIEVO SOFFERENZA	26	400.000,00 €	
291	RF-2019-12371363	VAgal BEnefit on NEo-Angiogenesis in Diabetes Mellitus: VABENE in DM	Riabilitazione	MULTIMEDICA	26	450.000,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
292	RF-2019-12371471	Multi-omic analysis of metabolism-disrupting chemicals (MDCs) in obesity. The impact of the Mediterranean Diet.	Endocrinologia	AUXOLOGICO	26	304.700,00 €	
293	RF-2019-12370156	Lubricin as a novel therapeutic agent to improve overall survival in HCC	Gastroenterologia	DE BELLIS	26,5	450.000,00 €	
294	RF-2019-12370594	Organoids and in vivo models to study the molecular effects of miRNAs delivery by multifunctional nanovectors for personalized therapy and diagnosis of pediatric pulmonary hypertension	Cardiologia-Pneumologia	OSPEDALE BAMBINO GESU'	26,5	449.500,00 €	
295	RF-2019-12368838	THE GUT-HEART AXIS: A MULTIDISCIPLINARY AND TRANSLATIONAL APPROACH INTEGRATING PATHOPHYSIOLOGY, MICROBIOMICS AND METABOLOMICS TO ACHIEVE PERSONALIZED MEDICINE IN HEART FAILURE (CardioGut)	Cardiologia-Pneumologia	Campania	27	449.000,00 €	
296	RF-2019-12370786	Mechanisms of chronic liver disease in urea cycle disorders.	Pediatria	OSPEDALE BAMBINO GESU'	27,5	392.000,00 €	
297	RF-2019-12370886	Investigating the inflammatory, endocrine and immunological correlates of cancer-specific responses in fertility preservation outcome: toward specific controlled ovarian stimulation protocols	Ostetricia e Ginecologia	Toscana	27,5	403.000,00 €	
298	RF-2019-12368535	Hyperfractionated radiation therapy for high grade gliomas	Oncologia	Ospedale Policlinico San Martino	28	416.698,00 €	
299	RF-2019-12369429	Biomolecular Integrated Analyses for Precision Medicine in Hidradenitis Suppurativa	Dermatologia	BURLO GAROFOLO	28	370.000,00 €	
300	RF-2019-12370467	Combined Therapy to Overcome Autophagy Impairment and Pharmacoresistance in ALS by Nanovectors Co-Encapsulating TRPML1 Agonists and Pgp inhibitors	Neurologia E Psichiatria	Campania	28	445.500,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
301	RF-2019-12370605	Proposal of a molecular panel on LBC-processed thyroid lesions. Evaluation of the diagnostic and prognostic role of genetic alterations including TERT promoter and BRAF (V600E) mutation analysis in thyroid malignant lesions	Endocrinologia	FONDAZIONE GEMELLI	28	450.000,00 €	
302	RF-2019-12369160	Social microbiology meets neurobiology: study of the quorum sensing molecules in the central nervous system	Neurologia E Psichiatria	NEUROMED	28,5	400.000,00 €	
303	RF-2019-12369369	New insights into pathogenesis and treatment of Stroke: the role of sphingolipids	Neurologia E Psichiatria	NEUROMED	28,5	394.500,00 €	
304	RF-2019-12369449	Cortisol secretion, sensitivity and activity and oxidative stress in patients with hypertension, type 2 diabetes and osteoporosis	Endocrinologia	AUXOLOGICO	28,5	450.000,00 €	
305	RF-2019-12369987	Functional analysis and single cell gene expression profiling of T cell compartment in patients with primary myelofibrosis: identification of new pathogenetic mechanisms and novel targets for therapy	Ematologia e Immunologia	SAN MATTEO	28,5	385.500,00 €	
306	RF-2019-12371551	Zebrafish developmental exposure to a relevant mixtures of endocrine disruptors detected in organic and non-organic meals from primary school-canteens	Veterinaria	IZSAM	29	400.000,00 €	
307	RF-2019-12370116	Combining biology and math for tailored therapy by use of an innovative algorithm in patient-derived xenografts as predictive tool of therapy response in neuroendocrine neoplasms	Endocrinologia	Ospedale Policlinico San Martino	30	436.223,00 €	
308	RF-2019-12371430	Modeling lipotoxicity network and artificial intelligence translation to clinical phenotype for Liver Cancer (hepatocellular carcinoma, HCC) in Non-Alcoholic Fatty Liver Disease (NAFLD)	Gastroenterologia	FONDAZIONE GEMELLI	30	450.000,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
309	RF-2019-12369534	Down Syndrome: a model for investigating the role of sensory impairments and their relationships with ageing	Neurologia E Psichiatria	BURLO GAROFOLO	30,5	447.400,00 €	
310	RF-2019-12370579	Evaluation of the antineoplastic effect of ALK inhibitors in human anaplastic thyroid cancer: in vitro and in vivo studies	Oncologia	Toscana	30,5	441.500,00 €	
311	RF-2019-12370626	Endothelial cells in BCR-ABL negative myeloproliferative neoplasms: investigation for a primary involvement in specified clinical phenotypes.	Ematologia e Immunologia	FONDAZIONE GEMELLI	30,5	245.000,00 €	
312	RF-2019-12370639	Gene-environment interactions for personalised prediction of recurrent ischemic events after early-onset myocardial infarction.	Cardiologia-Pneumologia	Emilia-Romagna	30,5	355.950,00 €	
313	RF-2019-12370845	A blood-based and imaging approach for the optimization of treatment with immune-checkpoint inhibitors in NSCLC	Oncologia	Toscana	30,5	450.000,00 €	
314	RF-2019-12370857	Which is the best Nutritional Approach to Decelerate Obesity-Related Aging?	Endocrinologia	Piemonte	30,5	450.000,00 €	
315	RF-2019-12371470	Do mammographic breast density and lifestyle play a prognostic role in breast cancer patients? A prospective study in the EPIC-Florence cohort.	Oncologia	Toscana	30,5	320.400,00 €	
316	RF-2019-12368662	Hypertension in high school students : Genetic and Environmental Factors : A school education program to reduce student bad lifestyle habits and improve clinical outcome in those with genetic predisposition to hypertension (HYGEF.EDU)	Nefrologia e Urologia	Toscana	31	441.420,00 €	
317	RF-2019-12370149	HIGH GRADE NEUROENDOCRINE NEOPLASMS: MOLECULAR AND LIFESTYLE MARKERS FOR RISK AND PROGNOSIS ASSESSMENT	Oncologia	FONDAZIONE GEMELLI	31	450.000,00 €	
318	RF-2019-12371579	Pancreatic ductal adenocarcinoma and intercellular signals: from a prognostic approach to a treatment strategy	Oncologia	Lazio	31	446.111,11 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
319	RF-2019-12368788	Proof-of-concept for the treatment of neuroblastoma with a B7-H3-targeting antibody drug conjugate and its combination with PD-1/PD-L1 axis inhibition	Oncologia	GASLINI	31,5	447.650,00 €	
320	RF-2019-12369684	Children's voice in the fight against child obesity: involving obese children in understanding obesity-related factors (physical, psychological and social) to improve their motivation to change behavior	Endocrinologia	Sicilia	32	288.900,00 €	
321	RF-2019-12368707	A novel approach based on metabolic assessment of patient-derived alveolar epithelial cells to improve the diagnostic accuracy of idiopathic pulmonary fibrosis (IPF).	Cardiologia-Pneumologia	Friuli-Venezia Giulia	32,5	450.000,00 €	
322	RF-2019-12369823	leCtin conjugated gold nanoparticLes for photo-thermal thERapy of ex-vivo humAn uRothelial cANcer CElls (Acronym: CLEARANCE)	Oncologia	MAUGERI	32,5	228.000,00 €	
323	RF-2019-12370397	POSEIDON STUDY T2: A pilot study for the prevention and treatment of Type 2 Diabetes Mellitus with Cholecalciferol and Omega-3 PUFA combined therapy	Endocrinologia	Lazio	32,5	400.000,00 €	
324	RF-2019-12370670	Anti-IL-17 mAbs treatment in psoriatic arthritis: immunological evaluation to define predictive biomarkers of clinical efficacy	Ematologia e Immunologia	Toscana	32,5	400.000,00 €	
325	RF-2019-12371253	PHarmacogenomic and pharmacokinetic profiling dUring developmenT: Understanding dose-exposure RElationship in children (PHUTURE)	Ostetricia e Ginecologia	Lombardia	33	439.765,00 €	
326	RF-2019-12370153	Deconvolution of common and distinct features in the pathogenesis of thymoma and myasthenia gravis	Oncologia	ISTITUTO TUMORI MILANO	33,5	449.980,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
327	RF-2019-12371463	Prediction of preterm birth: identification of markers based on ultrasound, stress hormones, endometrial microbiome, and uterine microenvironment	Ostetricia e Ginecologia	Marche	33,5	450.000,00 €	
328	RF-2019-12368994	Circulating microRNAs found dysregulated in sera from ex-exposed asbestos workers as potential new diagnostic biomarkers of malignant pleural mesothelioma	Cardiologia-Pneumologia	Emilia-Romagna	34	414.000,00 €	
329	RF-2019-12370196	Unravelling the pathogenic role of recurrent HSV-1 infection in Alzheimer's disease	Neurologia E Psichiatria	FONDAZIONE GEMELLI	34	450.000,00 €	
330	RF-2019-12370788	Long-duration response to levodopa and motor learning in Parkinson's disease	Neurologia E Psichiatria	Sicilia	34	390.500,00 €	
331	RF-2019-12369304	From preclinical model to patients: an inferential study of the molecular pathways underlying the improvement of vascular function and cognitive performance by combining pharmacological and nutraceutical approach in type 2 diabetes. Does gut dysbiosis pla	Endocrinologia	Toscana	35	441.700,00 €	
332	RF-2019-12369532	Impact of age-related epimicrobiome alterations on host epigenome : implications for multimorbidity in the elderly	Geriatrics	I.N.R.C.A.	35	449.778,00 €	
333	RF-2019-12370336	Identification of circulating tumor DNA in cervico-vaginal swab from patients with advanced high-grade serous epithelial ovarian cancer	Ostetricia e Ginecologia	MARIO NEGRI	35	450.000,00 €	
334	RF-2019-12370462	Hyper-acute stroke: patient selection with microwaves technology	Diagnostica	Toscana	37	322.000,00 €	

N.	Code	Title	MDC	Destinatario	Total score	Budget richiesto a MOH	FINANZIAMENTO MOH
335	RF-2019-12370593	Precision medicine in Head and Neck squamous cell carcinoma: clinical and biological role of HPV infection, HER family members, MCM7-Geminin, PD-1/PDL-1 and PTHrP. Could they guide toward more individualized therapeutic decisions?	Otorinolaringoiatria e Odontoiatria	FONDAZIONE GEMELLI	37	441.900,00 €	

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CODICE	TITOLO	TIPOLOGIA RICERCA	DESTINATARIO	VOTO_CV
RF-2019-12368490	Dissection of the immune mechanisms responsible for the expansion of clonal hemopoiesis: paroxysmal nocturnal hemoglobinuria	Theory Enhancing	Toscana	8
RF-2019-12368531	NANOVESICLE-BASED IMMUNOTHERAPY AGAINST HER2-POSITIVE BREAST CANCER.	Theory Enhancing	Istituto Superiore di Sanita'	8
RF-2019-12368556	Combining human genetics with functional biology to identify the molecular signature of delayed puberty	Theory Enhancing	AUXOLOGICO	8
RF-2019-12368587	Decoding ALS heterogeneity by innovative machine learning and deep learning approaches: a translational study of immune-microbiota axis	Theory Enhancing	Toscana	8
RF-2019-12368667	Biomarkers in Charcot-Marie-Tooth disease and related neuropathies	Theory Enhancing	CARLO BESTA	8
RF-2019-12368678	Dissecting the role of the FUS and TDP-43 in ALS: the pathways to pathogenesis and to treatment at the RNA level with oligonucleotides	Theory Enhancing	Sicilia	8
RF-2019-12368749	Mesenchymal stem cells preconditioned with phytochemicals: a new approach for the treatment of experimental multiple sclerosis?	Theory Enhancing	NEUROLESI	8
RF-2019-12368832	Organoid as a model for the study of chemotherapy response in patients with gastric cancer	Theory Enhancing	Toscana	8
RF-2019-12368934	Development of Klebsiella pneumoniae vaccine to prevent nosocomial infections by antibiotic-resistant strains	Theory Enhancing	Sicilia	8
RF-2019-12368993	All-trans retinoic acid, a non-conventional and immunogenic anti-tumor agent, in the treatment of gastric cancer: a unique opportunity to develop combinations with immune	Theory Enhancing	MARIO NEGRI	8
RF-2019-12368995	The role of platelet activation in deep vein thrombosis	Theory Enhancing	MAGGIORE	8
RF-2019-12369034	Investigating genetic bases underlying phenotype variability in laminopathies.	Theory Enhancing	SAN RAFFAELE MILANO	8
RF-2019-12369126	Profiling of miRNAs regulating thrombogenesis in patients with Ventricular Assist Device - PROVAD	Theory Enhancing	SAN RAFFAELE MILANO	8
RF-2019-12369128	MRI and US imaging as a new tool for assessment of diaphragm muscle degeneration and dysfunction in patients with Duchenne Muscular Dystrophy (DMD)	Theory Enhancing	MEDEA	8
RF-2019-12369169	Interplay of Cervical-Vaginal environment and APOBEC mutagenesis in the progression of HPV infection disease towards cancer	Theory Enhancing	Toscana	8
RF-2019-12369273	NOVEL PREDICTIVE BIOMARKERS AND TUMOR VOLUME TARGET IN THE CLINICAL MANAGEMENT OF PEDIATRIC HODGKIN'S LYMPHOMA. RESULTS FROM OBSERVATIONAL	Theory Enhancing	C.R.O. AVIANO	8

CODICE	TITOLO	TIPOLOGIA RICERCA	DESTINATARIO	VOTO_CV
RF-2019-12369324	Tracking Metabolic and Cardiovascular Risk: biomarkers and prediction (TMC Risk)	Theory Enhancing	Campania	8
RF-2019-12369391	A Radio-Immuno-Genomic Approach to Identify Prognostic and Predictive Signatures for the Response to Immunotherapy in Lung and Renal Cancer	Theory Enhancing	Emilia-Romagna	8
RF-2019-12369651	Small molecules protecting from calcitonin amyloid oligomer neurotoxicity based on membrane damage	Theory Enhancing	Istituto Superiore di Sanita'	8
RF-2019-12369691	Identification of clinical and molecular prognostic factors for Crohn's disease- and coeliac disease-associated small bowel carcinoma	Theory Enhancing	SAN MATTEO	8
RF-2019-12369693	Organ-on-a-chip based technology to assess the efficacy of drug candidates targeting the NLRP3 inflammasome to ameliorate motorneuron disease	Theory Enhancing	SANTA LUCIA	8
RF-2019-12369873	Nanoformulated doxorubicin treatment of breast cancer to overcome anti-tumor immunity damages by in situ vaccination (NAUSICA)	Theory Enhancing	MAUGERI	8
RF-2019-12369924	Dissecting the role of the chromatin conformation in pathogenesis of human colorectal cancer (CRC)	Theory Enhancing	MAGGIORE	8
RF-2019-12369985	An integrated functional and molecular approach to target novel pathways in Chronic Lymphocytic Leukemia and Multiple Myeloma using a next generation Bruton's Tyrosine	Theory Enhancing	Policlinico San Martino	8
RF-2019-12370003	Environmental and Thyroid Health in Infancy and Childhood: an integrated approach to primary prevention of congenital hypothyroidism (ETHIC STUDY)	Theory Enhancing	SAN RAFFAELE MILANO	8
RF-2019-12370033	brain [18F]-FDG PET (BrainPET-AutoDiag)	Theory Enhancing	Toscana	8
RF-2019-12370241	MicroRNAs delivery to cure the infarcted heart (RECEDE study)	Theory Enhancing	Toscana	8
RF-2019-12370284	Study of the therapeutic activity of HDAC6 inhibitors in ovarian cancer bearing Notch3 overexpression or ARID1A inactivation	Theory Enhancing	I. O. V.	8
RF-2019-12370330	PV-net: a clinical/translational network to increase appropriateness of therapeutic strategies and validate liquid biopsy assays associated with thrombosis in Polycythemia Vera	Theory Enhancing	Emilia-Romagna	8
RF-2019-12370339	Understanding the role of growth hormone in residual cardiomyopathy in somatostatin analog-treated acromegaly (HEART-ACRO)	Theory Enhancing	Policlinico San Martino	8
RF-2019-12370394	Assisted diagnosis of sleep disorders through the automatic analysis of behavior and motor patterns: a video-based learning machine.	Theory Enhancing	Emilia-Romagna	8
RF-2019-12370440	Translational ex vivo models to inspect synaptopathy and neurodegeneration in Multiple Sclerosis	Theory Enhancing	SAN RAFFAELE PISANA	8
RF-2019-12370454	V-ATPase, an epigenetic and metabolic hub that drives glioma pathogenesis	Theory Enhancing	MAGGIORE	8

CODICE	TITOLO	TIPOLOGIA RICERCA	DESTINATARIO	VOTO_CV
RF-2019-12370513	Role of lactobacilli in vaginal microbiota homeostasis - biological and clinical aspects: amensalistic and postbiotic activities in the prevention of infection diseases (colonization-	Theory Enhancing	Sicilia	8
RF-2019-12370572	Multimodal approach for ovarian cancer characterization in order to prioritize and stratify patients based on prognostic and predictive biomarkers, by means of Big Data analysis.	Theory Enhancing	Sicilia	8
RF-2019-12370581	Comprehensive long non-coding RNA and mRNA profiling in autoimmune myasthenia gravis: towards new insights in pathogenesis and therapy	Theory Enhancing	CARLO BESTA	8
RF-2019-12370599	Cross-talk between circulating acquired immunity cell network, lipid metabolism and fat mass loss in chronic heart failure: comparison between patients with and without cardiac cachexia.	Theory Enhancing	Emilia-Romagna	8
RF-2019-12370610	Development of a more predictive preclinical evaluation of risk of wear in knee prostheses informed by real-world joint kinematics and retrievals analysis	Theory Enhancing	RIZZOLI	8
RF-2019-12370652	Deciphering the cross-talk between bacteria and human cells to identify novel biological indicators of prostate cancer progression	Theory Enhancing	SAN RAFFAELE MILANO	8
RF-2019-12370712	Smoking cessation and reduction of cardiovascular risk factors in smokers with atrial fibrillation: a comparison between two different nicotine delivering systems.	Theory Enhancing	Lazio	8
RF-2019-12370760	ENEAs: Electromagnetic Navigation for Endovascular Approaches	Theory Enhancing	Toscana	8
RF-2019-12370791	CXCR4 inhibitors as potential targeted therapy to control sarcoma local and distant invasion (CRONOS)	Theory Enhancing	RIZZOLI	8
RF-2019-12370793	Targeting Glioblastoma microenvironment	Theory Enhancing	Istituto Scientifico Romagnolo	8
RF-2019-12370799	Redox stress and disease progression in amyotrophic lateral sclerosis (EXTREMAL)	Theory Enhancing	Policlinico San Martino	8
RF-2019-12370867	Image mining analyses of tumor and of liver-tumor interface in patients with colorectal liver metastases. Identification of new prognostic biomarkers.	Theory Enhancing	HUMANITAS	8
RF-2019-12370876	Estrogen-dependent diseases and endocrine disruptors: the impact of Immune response in gut Estrobolome modulation and the functional role of Diet enriched in complex fibers	Theory Enhancing	Toscana	8
RF-2019-12370901	EARLY DETECTION OF MOODS SWINGS IN BIPOLAR SUBJECTS THROUGH ECOLOGICAL MOMENTARY ASSESSMENT AND	Theory Enhancing	Lazio	8
RF-2019-12370967	Liquid biopsy, clock genes and immune profile as prognostic/predictive biomarker patterns: a prospective clinical trial in metastatic colorectal cancer patients	Theory Enhancing	Lazio	8
RF-2019-12370970	Precision medicine in acute myeloid leukemia NPM1 mutated	Theory Enhancing	Piemonte	8
RF-2019-12370997	A monocentric, double-blind, crossover clinical study to assess the efficacy of weekly administration of low-dose methotrexate in patients with alkaptonuria and development of a	Theory Enhancing	Toscana	8

CODICE	TITOLO	TIPOLOGIA RICERCA	DESTINATARIO	VOTO_CV
RF-2019-12371048	Mitochondrial targeting molecules in LRRK2-inflammatory cascade for Parkinson's disease therapeutics	Theory Enhancing	Associazione Oasi Maria SS	8
RF-2019-12371277	Effects of phenolic acid-rich Mediterranean diet on inflammation markers, sleep quality and cognitive function in adult and elderly people	Theory Enhancing	Associazione Oasi Maria SS	8
RF-2019-12371329	Environmental exposure networks, the endocrine status, and reproductive diseases: genetics and epigenetics of male fertility, andrological cancers and oncofertility	Theory Enhancing	Campania	8
RF-2019-12371389	Epigenetics of the vulvar carcinoma onset and progression	Theory Enhancing	Emilia-Romagna	8
RF-2019-12371405	Precision medicine without frontiers: defining known and novel rare genetic diseases in the offspring of consanguineous couples of migrants	Theory Enhancing	Tecnologie Avanzate	8
RF-2019-12371418	Respiratory PathopHYsiology, Phenotypes analyses and Cardiovascular Characterization of Obese Eucapnic Subjects presenting Sleep HyPOventilation (HYPPO)	Theory Enhancing	AUXOLOGICO	8
RF-2019-12368517	The 3D-CardioLab: the next generation of in-hospital facilities for Interdisciplinary Communication in Medical Decision Making integrating 3D virtual and printed models in	Theory Enhancing	Toscana	9
RF-2019-12368552	Histone Modification Profiling in Viral-Mediated Cancers	Theory Enhancing	I.E.O.	9
RF-2019-12368791	Exploiting microbiota-drug interaction to improve the efficacy of chemotherapy in pancreatic cancer	Theory Enhancing	CASA SOLLIEVO SOFFERENZA	9
RF-2019-12368878	Novel epigenetic signatures to tailor first-line therapy in metastatic colorectal carcinoma	Theory Enhancing	CROB	9
RF-2019-12368906	Targeted delivery of Type I interferon isoforms with high in-vivo potency to the liver vasculature as a new strategy to treat colorectal cancer liver metastases.	Theory Enhancing	SAN RAFFAELE MILANO	9
RF-2019-12369083	Identification of hemostatic proteins predictive of cancer risk and diagnosis in a large prospective cohort of healthy subjects (HePCan Study= hemostatic proteins for Cancer Study)	Theory Enhancing	Lombardia	9
RF-2019-12369185	Search for circulating endothelial cells of donor origin after allogeneic hematopoietic stem cell transplantation: potential clinically relevant implications in the context of Graft-Versus-Host	Theory Enhancing	Lombardia	9
RF-2019-12369335	Development of bio-functional materials for osteoporotic patients.	Theory Enhancing	Emilia-Romagna	9
RF-2019-12369382	Safety and efficacy of ibritumomab tiuxetan in Sjögren syndrome, an autoimmune disease a higher risk of lymphoma. A proof-of-concept phase II study assessing clinical and pathological	Theory Enhancing	Abruzzo	9
RF-2019-12369673	Characterization of circulating myeloid-derived suppressor cells in Chronic Obstructive Pulmonary Disease and their role in the disease progression	Theory Enhancing	Veneto	9
RF-2019-12369865	Pacemaker cells models to dissect developmental and functional dysfunctions of the sinus node in IDDCA syndrome: laying the basis for a pharmacological rescue	Theory Enhancing	CASA SOLLIEVO SOFFERENZA	9

CODICE	TITOLO	TIPOLOGIA RICERCA	DESTINATARIO	VOTO_CV
RF-2019-12369950	Cancer cell aggressiveness is promoted by loss of TIMELESS: lessons from colorectal cancer and potential implications for targeted therapy	Theory Enhancing	CASA SOLLIEVO SOFFERENZA	9
RF-2019-12369951	Understanding the Effect of Dimethyl Fumarate on Neutrophils and NET (Neutrophils Extracellular Trap) Formation:	Theory Enhancing	Policlinico San Martino	9
RF-2019-12369959	Validation of serum Beta-secretase 1 (BACE1) as biomarker for diagnosis and prediction of sporadic Alzheimer's Disease	Theory Enhancing	Emilia-Romagna	9
RF-2019-12370048	Hypersensitivity reactions to anti-TNF drugs: enhancing quality of pharmacovigilance processes and diagnostic approaches: the ICHNUSA study	Theory Enhancing	Toscana	9
RF-2019-12370068	Multimic approach for the prediction of clinical outcomes in head and neck squamous cell carcinomas of the oropharynx and nasopharynx primarily treated with a non-surgical	Theory Enhancing	Sardegna	9
RF-2019-12370099	Innovative Ex-Vivo Lung Perfusion (EVLP) strategies to promote lung recovery and increase the number of organs for transplantation	Theory Enhancing	MAGGIORE	9
RF-2019-12370136	Cellular and molecular determinants of the LXR/cholesterol pathway correlating with the clinical outcome of lung cancer patients treated with immune checkpoint blockers.	Theory Enhancing	SAN RAFFAELE MILANO	9
RF-2019-12370185	Biochemical evaluations for the validation of wearable devices in patients with sleep disturbances	Theory Enhancing	Toscana	9
RF-2019-12370209	"LIVE BIOPSY": PATIENT-DERIVED CANCER STEM CELLS (CSC) AS A PERSONALIZED TOOL TO UNDERSTAND	Theory Enhancing	FONDAZIONE GEMELLI	9
RF-2019-12370231	Understanding the role of patent foramen ovale in migraine	Theory Enhancing	Abruzzo	9
RF-2019-12370362	Unravelling the Role of Genetic variants associated with Nonalcoholic fatty liver disease on mitochondrial function (URGENT)	Theory Enhancing	MAGGIORE	9
RF-2019-12370656	New radiolabeled theranostic agents targeting the Formyl peptide Receptor for counteracting metastatic spread of cancer cells	Theory Enhancing	PASCALE	9
RF-2019-12370816	Safety of food supplements: identification of synthetic sulphoraphane in chemopreventive sulphoraphane-based products by a multidisciplinary approach based on enantioselective	Theory Enhancing	Istituto Superiore di Sanita'	9
RF-2019-12370908	Analysing tumour endothelial cell metabolism to find new potential therapies for clear cell Renal Cell Carcinoma	Theory Enhancing	SAN RAFFAELE MILANO	9
RF-2019-12370914	A novel tool for the evaluation of neoadjuvant chemotherapy and surgical resectability of synchronous colorectal liver metastases based on 3D-Printing and Augmented Reality	Theory Enhancing	SAN MATTEO	9
RF-2019-12370918	Exploring efficacy, safety, adherence and the economic impact of disease-modifying antirheumatic Drugs through group-based trajectory models: the PATHFINDER study	Theory Enhancing	Toscana	9
RF-2019-12371028	Autoimmune epilepsy: definition of accuracy of a standardized diagnostic protocol and identification of new biomarkers for early diagnosis and therapy.	Theory Enhancing	Istituto Scienze Neurologiche	9

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RF-2019-12371075	Late Onset Epilepsy of Unknown origin as risk factor for Alzheimer's Disease: identification of early biomarkers for the evaluation of conversion to dementia and novel therapeutic	Theory Enhancing	Lombardia	9
RF-2019-12371133	Effectiveness of a new approach based on repetitive Caloric Vestibular Stimulation in right-hemispheric stroke rehabilitation: A Controlled Clinical Study.	Theory Enhancing	Lombardia	9
RF-2019-12371252	The Italian Blood Safety System: an institutional network for monitoring and studying blood-borne infections	Theory Enhancing	Istituto Superiore di Sanita'	9
RF-2019-12371421	Diagnostic predictive value of the Red Flags Index for early diagnosis of gastrointestinal diseases	Theory Enhancing	HUMANITAS	9
RF-2019-12371469	areas: Genova and Trieste	Theory Enhancing	Liguria	9
RF-2019-12371498	Unraveling mechanism of action of extracorporeal photopheresis in chronic lung allograft dysfunction	Theory Enhancing	SAN MATTEO	9
RF-2019-12368777	CLUSTERING FIBROMYALGIA: GENETIC, CLINICAL, NEUROPHYSIOLOGICAL AND MORPHOLOGICAL FEATURES IN ADULT AND JUVENILE COHORTS	Theory Enhancing	Puglia	10
RF-2019-12368805	Oral Rehabilitation in Osteoporotic Patients: a screening tool by morphological, mechanical and texture assessment of bone structure	Theory Enhancing	Istituto Superiore di Sanita'	10
RF-2019-12368810	Measuring T cell exhaustion to risk-stratify kidney transplant recipients.	Theory Enhancing	Veneto	10
RF-2019-12368865	Diagnostic tests to unambiguously detect metabolic diseases among rheumatologic disorders, and new enzyme stabilizers	Theory Enhancing	Toscana	10
RF-2019-12368967	Sepsis induced ICU-acquired weakness and recovery from critical illness: pathophysiology, innovation in diagnosis, monitoring and weaning protocols and improvement in quality of life	Theory Enhancing	Puglia	10
RF-2019-12369045	Induction of antigen-specific tolerance in Myasthenia Gravis with engineered probiotic bacteria: preclinical studies in 'in vitro' and 'in vivo' models	Theory Enhancing	CARLO BESTA	10
RF-2019-12369271	Biological age as predictor of longevity in the TRELONG study population.	Theory Enhancing	Veneto	10
RF-2019-12369641	Bone and muscle cross-talk in chronic kidney disease: relevance for bone and cardiovascular outcomes	Theory Enhancing	SAN RAFFAELE MILANO	10
RF-2019-12369672	Neuromodulation to promote recovery after stroke	Theory Enhancing	Veneto	10
RF-2019-12369762	STUDY OF THE RELATIONSHIP BETWEEN CHRONIC PAIN AND DEMENTIA: EVALUATION OF ANTIDEPRESSANT TREATMENT ON APP METABOLISM AND COGNITIVE OUTCOME IN A MOUSE	Theory Enhancing	Associazione Oasi Maria SS	10
RF-2019-12369784	Analysis of cutaneous Human Papillomaviruses and microRNAs in Actinic Keratosis and cutaneous Squamous Cell Carcinoma searching for biomarkers of disease progression	Theory Enhancing	Istituto Superiore di Sanita'	10

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RF-2019-12369895	Recellularized Colorectal patient-derived scaffold as in vitro pre-clinical 3D model for tumor response prediction to chemotherapy.	Theory Enhancing	Veneto	10
RF-2019-12370092	Define novel therapeutic strategies for synovial sarcoma	Theory Enhancing	RIZZOLI	10
RF-2019-12370202	Synergic role of imaging and omics biomarkers in the early diagnosis of hematological malignancies in patients with systemic autoimmune diseases: ¿BIO-HEAD¿ study	Theory Enhancing	Toscana	10
RF-2019-12370249	Circulating long non-coding RNAs as novel biomarkers in Alzheimer's disease modulated by pesticide exposure	Theory Enhancing	Istituto Superiore di Sanita'	10
RF-2019-12370313	Treatment individualization in the elderly cancer patient: impact of a dedicated translational platform.	Theory Enhancing	Piemonte	10
RF-2019-12370444	LIQUID BIOPSY FOR NON-INVASIVE MONITORING OF COLORECTAL CANCER	Theory Enhancing	Toscana	10
RF-2019-12370578	Effects of High-polyphenols extra-virgin olive oil on weight, oxidative stress and microbiome Profiles for a Personalized approach to reduce obesity and prevent obesity-related	Theory Enhancing	Campania	10
RF-2019-12370607	Design and Implementation of a novel web-based registry for Italian patients with fibromyalgia to facilitate health strategies across the spectrum of disease severity states: the	Theory Enhancing	Marche	10
RF-2019-12370709	EPIDEMIOLOGY, DEEP PHENOTYPING and GENOTYPING, and RISK FACTORS of EARLY ONSET DEMENTIA IN THE EMILIA ROMAGNA REGION	Theory Enhancing	Emilia-Romagna	10
RF-2019-12370761	H2S photosystems in the treatment of Glioblastoma	Theory Enhancing	Sicilia	10
RF-2019-12370976	Fibrin-based sensorized dressing for delivery of cord blood platelet lysate in wound healing treatment	Theory Enhancing	Toscana	10
RF-2019-12371242	Prototyping an Italian Total Artificial Heart	Theory Enhancing	Veneto	10
RF-2019-12371256	Peripheral biomarkers in prodromal and Huntington's disease progression: predictors, therapeutic targets and impact on potential treatments	Theory Enhancing	Lazio	10
RF-2019-12371326	Clinical role of epigenetic modulation in work-related neurological disorders	Theory Enhancing	Sicilia	10
RF-2019-12371395	Improving prevention of antimicrobial resistance: dual point of view, the pathogen and the patient.	Theory Enhancing	Lazio	10