

2021 PhD projects by Erasmus Medical Center - with CSC scholarship

Please refer to tab 1 in this document for details

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olarships

Department
Biochemistry
Biochemistry
Biostatistics
Cardiology
Cell Biology
Cell Biology
Clinical Genetics & Neurosciences
Clinical Genetics
Epidemiology
Epidemiology
Epidemiology
Epidemiology
Epidemiology/Cardiology
Epidemiology
Epidemiology
General Practice
General Practice
GI & Hepatology
GI & Hepatology
GI & Hepatology
Internal Medicine - Bone & Calcium
Internal Medicine - Endocrinology
Internal Medicine -

Internal Medicine - Endocrinology
Internal Medicine - Endocrinology
Internal Medicine - Endocrinology
Internal Medicine - Transplantation
Internal Medicine
Medical Oncology
Medical Oncology
Neuroscience
Neuroscience
Neuroscience
Neuroscience
Neuroscience
Neuroscience
Neuroscience
ObGyn
ObGyn
ObGyn
ObGyn
Oral & Maxillofacial Surgery, Internal
Oral & Maxillofacial Surgery, Internal
Pathology
Pathology
Pathology, Pathology, Medical Oncology
Pathology, Pathology, Medical Oncology
Radiology


Radiology
Radiology
Surgery

Project Title
Liver organoid-tumoroid platform in study of HBV infection and tumorigenesis
HIV Cure: mechanisms, drug discovery, clinical study and valorization
Longitudinal modeling of blood donation data
Innovation in Diagnosis and Therapy of Cardiac Arrhythmias
Systems Biology of Signaling and Transcription Factors
Systems/Omics approaches to study nuclear interpretation of BMP signaling in stem/progenitor cells: ZEB2
Gaining insight in the molecular mechanisms underlying neurodevelopmental disorders.
Deciphering the role of Non-Coding DNA sequences in the genetics of neurodevelopmental disorders
Imaging the progression of arteriosclerosis; sex-specific causes and clinical consequences
Integration of population-based omics data to explore molecular mechanisms underlying age-related diseases
Vascular disease and autonomous dysregulation in Parkinson's Disease
Deep Learning in Omics Data Analysis and Precision Medicine
The failing heart: ageing-associated cardiovascular changes in women and men
Unravelling the role of vascular disease in depression
Nutrition and Lifestyle and cardiometabolic health across the life course: a focus on underlying pathways and mechanisms
Diagnosis and prognosis of musculoskeletal disorders
The early diagnosis, prognosis and (subgroup specific) treatment of osteoarthritis
Understanding the biological and therapeutic implications of stem cells liver cancer
Antiviral therapy development against human coronavirus infections
Co-targeting of tumor-infiltrating T cells and NK cells to treat liver cancer and colorectal cancer
Integrative approach to study fracture healing
Osteoporosis and Environmental Pollution assessed by a Multi-system Approach

Consequences of thyroid dysfunction for development, metabolism and aging
Advanced glycation end products in relation to ageing and age-related diseases
Understanding sex differences in metabolism
Exploiting the message from the kidney: the value of extracellular vesicles in transplant rejection
Large scale functional population genomics to unravel mechanisms of locomotor diseases
Unraveling the mechanisms underlying CHEK2 c.1100delC-driven breast tumorigenesis
Cancer Computational Biology and its Clinical Value using Multiple State-of-the-art Omics Data of Prostate and Breast Cancer Patients.
Cerebro-cerebellar Interactions during Cognitive Processing
Dissecting the brain-wide connectome for motor planning
Liquid biopsy in neurological disorders
redicting cortical maturation and autism spectrum disorder from cerebellar and brain-wide structural imaging data
Visual-motor and visual vestibular interactions
Neuronal mechanisms underlying tinnitus
Cerebellar differentiation in development of motor functions and neurodevelopmental disorders
Periconception mental health: development of monitoring and interventions.
Periconceptual parental food intake: Intake of processed food and placenta-related outcome in mother, embryo and fetus
Preimplantation embryo quality: Periconception conditions and the development of the inner and outer cell mass of the preimplantation embryo.
Obesity during pregnancy: the mechanistic role of the gut microbiome in maternal pregnancy course and fetal outcome
Oral health trajectories - individual, environmental and genetic determinants
Three-dimensional (3D) Facial Shape Analysis
Understanding local and systemic progression of cancer with respect to tumor – stroma interaction and metastasis development.
Evaluation of immune stimulatory effect of heat and chemotherapy in hyperthermia triggered drug delivery
Investigation the association between endothelial cells and mural cells in angiogenesis
Investigating synchronization and impact of pericyte interacting with endothelial cells during angiogenesis.
Neuroimage Analysis and Machine Learning

Federated Machine Learning in application for large-scale omics studies
Analysis of advanced musculoskeletal magnetic resonance imaging (MRI) data from clinical and population-based studies.
Exploring the regenerative potential of liver organoids in liver transplantation

ranking or other	
	Mahmoudi is ERC winner, world no 50 Molecular Biology & Genetics, World no 67 Cell Biology
	Mahmoudi is ERC winner, world no 50 Molecular Biology & Genetics, World no 67 Cell Biology
	world no 21 Public, Occupational & Environmental Health
	world no 23 Cardiology & Cardiac Systems
	World no 50 Molecular Biology & Genetics, World no 67 Cell Biology
	World no 50 Molecular Biology & Genetics, World no 67 Cell Biology
	world no 48 Neurosciences & Behavior world no 50 Molecular Biology & Genetics
	world no 50 Molecular Biology & Genetics
	world no 21 Public, Occupational & Environmental Health
	world no 21 Public, Occupational & Environmental Health
	world no 21 Public, Occupational & Environmental Health
	Arfan is ERC winner, world no 21 Public, Occupational & Environmental Health
	world no 21 Public, Occupational & Environmental Health, world no 23 Cardiac & Cardiovascular System
	world no 21 Public, Occupational & Environmental Health
	world no 21 Public, Occupational & Environmental Health
	world no 32 Clinical Medicine
	world no 32 Clinical Medicine
	world no 14 Gastroenterology & Hepatology
	world no 14 Gastroenterology & Hepatology
	world no 14 Gastroenterology & Hepatology
	world no 29 Endocrinology & Metabolism
	world no 29 Endocrinology & Metabolism

world no 29 Endocrinology & Metabolism
world no 29 Endocrinology & Metabolism
world no 29 Endocrinology & Metabolism
world no 31 Immunology, world no 32 Clinical Medicine
world no 32 Oncology
world no 32 Oncology
 de zeeuw is ERC winner, world no 48 Neurosciences & Behavior
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world no 48 Neurosciences & Behavior
world no 48 Neurosciences & Behavior
world no 48 Neurosciences & Behavior
world no 48 Neurosciences & Behavior
 Schonewille is ERC winner, world no 48 Neurosciences & Behavior
world no 32 Clinical Medicine
world no 32 Clinical Medicine
world no 32 Clinical Medicine
world no 32 Clinical Medicine
world no 13 Surgery
world no 13 Surgery
world no 32 Oncology
world no 32 Oncology
world no 32 Oncology
world no 32 Oncology
world no 36 Radiology, Nuclear Medicine, Medical Imaging

world no 36 Radiology, Nuclear Medicine, Medical Imaging
world no 32 Clinical Medicine, world no 36 Radiology, Nuclear Medicine, Medical Imaging
world no 13 Surgery

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