



Research Grants 2023

Research Classifications	Lead Applicant	Project Title	CHF
Acute Coronary Syndromes	PhD Ivo Strebel Universitätsspital Basel	A safe way to reduce unnecessary cardiac diagnostic in patients after exclusion of myocardial infarction using three No Objective Testing Rules	50'000
	Prof. Dr. med. Christian Müller Universitätsspital Basel	PRospective Evaluation of the European Society of Cardiology 0/1h-algorithm`s Safety and Efficacy for Triage of Patients with Suspected Myocardial Infarction– PRESC1SE-MI Phase III	98'000
Adult Congenital Heart Disease	Prof. Dr. med. Christoph Gräni Inselspital, Universitätsspital Bern	Automated Detection of Coronary Artery Anomalies in Cardiac Computed Tomography Angiography and Correlation of Different Variants with Clinical Outcomes	60'000
Angiology / Vascular medicine	Prof. Dr. med. Isabella Sudano Universitätsspital Zürich	Effect of opioids on vascular function	50'000
Arrhythmias	PD Dr. sc. Sven Knecht Universitätsspital Basel	Deep learning-based ECG Analysis for outcome prediction of catheter ablation for atrial fibrillation	80'000
Biomarkers	Dr. med. univ. Simon Kraler Universität Zürich	JCAD as a novel marker to refine risk prediction in patients with acute coronary syndromes: the A/I-ACS study	99'980
Cardiomyopathies	Dr. sc. nat. Susan Bengs Universität Zürich	Elucidating the Underlying Molecular Mechanisms of Takotsubo Cardiomyopathy Using a Mouse Model of Locus Coeruleus Stimulation	75'000
Cardio-Oncology	Dr. Parisa Aghagolzadeh Universität Basel	Targeting the lncRNA Fixer and the secreted factor Fam3c to protect the heart of cancer survivors	60'000
	Dr. Paolo Bima Universitätsspital Basel	Acute DYSpnea in patients with CANcer (DYS-CAN study) – prevalence of acute heart failure, clinical phenotypes, diagnostic performance of natriuretic peptides and outcomes	50'000
Cardiovascular Surgery	Prof. Dr. Sarah Longnus Inselspital, Universitätsspital Bern	Sex- and age- specific effects on cardiac graft quality in DCD heart transplantation: Studies in a porcine model	80'000
Coagulation / Thrombosis	Ms Meret Allemann University of Zurich	The Dual Role of the Gut-Microbiota and its Metabolites in Age-Related Thrombosis	80'000
	Prof. Dr. med. Jürg-Hans Beer Kantonsspital Baden	Thromboinflammatory Mechanism of the S1P Transporter – MFSD2B in Megakaryocytes: Implications for CVDs	95'165
	Dr. Alessandro Aliotta CHUV, Centre hospitalier universitaire vaudois	Role of cell-free mitochondrial DNA in platelet hyperactivation: implications for cardiovascular disease in diabetes mellitus	80'000
Heart Failure	Dr. Andrea Brenna Université de Fribourg	Role of Arginase-type II (ARG-II) in the regulation of circadian Ischemia/Reperfusion Injury (I/R-I) tolerance	50'000
	Dr. Era Hoxha University of Zurich	Immune Mechanisms in Cardiometabolic Heart Failure with Preserved Ejection Fraction: Role of the nuclear receptor corepressor 1 (NCOR1) in macrophage inflammation	97'600
	Prof. Dr. Burkhard Ludewig Universitätsspital Zürich	Heart-specific T cells in acute and chronic myocarditis	75'000
	PhD Antonino Cassotta Institute for Research in Biomedicine (IRB)	Dynamics of immune response after myocardial infarction and its role in the pathogenesis of heart failure	51'893



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Hypertension	Prof. Dr. med. Felix Beuschlein Universitätsspital Zürich	Deciphering mechanisms of aldosterone autonomy	99'840
Myocardial biology	Dr. Marco Luciani Universitätsspital Zürich	Protein misfolding through the stroke-heart-syndrome	60'000
Valvular heart disease	PD Dr. med. Jonas Lanz Inselspital, Universitätsspital Bern	A Randomized Trial of Coronary Artery Disease Assessment Strategies in Patients with Severe Aortic Stenosis undergoing Transcatheter Aortic Valve Implantation (CAT Trial)	95'000
Vascular biology / Vascular sclerosis	Prof. Dr. Marie-Luce Bochaton-Piallat Université de Genève	S100A4 in atherosclerosis: from smooth muscle cell to immune cell regulation	59'272
	Dr. Shafeeq A. Mohammed Universitätsspital Zürich	Therapeutic Modulation of Epigenetic Readers to Prevent Endothelial Senescence and Cardiometabolic Disease	60'000
	Prof. Dr. Giovanni G. Camici Universität Zürich	The role of the ectoenzyme CD38 on age-associated vascular dysfunction	70'000
Other	Dr. Christian Puelacher Universitätsspital Basel	Continuous Monitoring of Vital Signs for Improved Phenotyping of Perioperative Myocardial Infarction/Injury after noncardiac surgery in high risk patients: PMI-VITAL, Phase II	98'250

Subtotal Cardiovascular Grants

1'775'000

Research Classifications	Lead Applicant	Project Title	CHF
Imaging	PD Dr. Ruud van Heeswijk CHUV, Centre hospitalier universitaire vaudois	PARFUME - Parametric and Fluorine MRI of Carotid Plaque Vulnerability	65'000
Intervention	Dr. med. Cédric Kissling Inselspital, Universitätsspital Bern	A space-expanding flap in decompressive hemicraniectomy for stroke – a randomized controlled multicenter trial	90'000
	Prof. Dr. Pierre Nicolo Haute Ecole de Santé de Genève	Innovative brain stimulation for induction of gait recovery after stroke	90'000
Management	Prof. Dr. med. Stefan Engelter Universitätsspital Basel	LONG-term risk of REcurrent CeAD After Pregnancy (LONG-RECAP study)	90'000
Mechanisms	Prof. Dr. med. Susanne Wegener Universitätsspital Zürich	Individualized stroke prevention and treatment based on the detection of micro-clots and clot-source	90'000
Other	Prof. Dr. med. Mira Katan Universitätsspital Basel	The Role of OXytocin in Acute ischemic stroke reconvalesceNcE: The ROXANE study	50'000

Subtotal Neurovascular Grants

475'000

Total Research Grants 2023

2'250'000