



**Unterstützte Forschungsprojekte 2013
nach Gebiet, Hauptgesuchsteller, Titel**
(eingereicht und bewilligt im 2013, ausbezahlt im 2014)

**Betrag in
CHF**

Projekte Arteriosklerose

857'500

Prof. Nicolas Diehm, Universitätsspital Bern 29'000
Patient-specific finite element model of the femoro-popliteal arterial tract

Dr. Stefan Freigang, Universität Bern 70'000
Mitochondrial uncoupling as a novel pathway of lipid-induced sterile vascular inflammation and atherosclerosis

Dr. Roberto Gianni Barrera, Universitätsspital Basel 60'000
Targeting Notch4 to normalize VEGF-induced angiogenesis in skeletal muscle

Dr. Giral Arnal Hector, Universitätsspital Zürich 60'000
microRNAs as targets for prevention and treatment of atherosclerotic vascular disease

Dr. Roland Klingenberg, Universitätsspital Zürich 45'000
Controlled Level EVERolimus in Acute Coronary Syndromes –CLEVER-ACS

Prof. Thomas Alexander Lutz, Universität Zürich 45'000
The role of Glucagon-Like Peptide-1 in the immediate improvement of endothelial and HDL function after Roux-en-Y gastric bypass prior to body weight loss in obese human and rodents

PD Dr. Brian Martin, Universität Zürich 70'000
Development of an intervention and study protocol for improved cardiovascular health after cardiac rehabilitation through physical activity counselling (PAPRICA Cardio)

Dr. Christian Matter, Universitätsspital Zürich 75'000
Pharmacological SIRT1 activation lowers plasma cholesterol and reduces atherosclerosis by reducing hepatic PCSK9 release and thus, increasing hepatic LDL-R expression

Dr. Xiu-Fen Ming, Universität Fribourg 70'000
Role of Arginase-II in Inflammatory Crosstalk between Pre-adipocytes and Endothelial Cells in Obesity and Aging

Dr. Maria Philippova, Universitätsspital Basel 60'000
Oxidized phospholipids and natural anti-oxidation defense as biomarkers of early atherosclerosis

Dr. Lukas Trachsel (Dr. Jean-Paul Schmid), Universitätsspital Bern 50'000
High Intensity Training & Early Adverse Remodelling after Left ventricular myocardial infarction: Swiss multicenter HIT-EARLY Study”

Dr. Kristina Schoonjans, Ecole Polytechnique Fédérale, Lausanne 65'000
Mechanistic dissection of the role of LXR-1 in atherosclerosis

Dr. Isabella Sudano, Universitätsspital Zürich 73'500
Sympathetic Activation and Reduced Endothelial Function as Cardiac Risk Factors in Patients with Takotsubo Syndrome

Prof. Arnold von Eckardstein, Universitätsspital Zürich 85'000
Biomarkers of Atherosclerotic Vascular Disease

Projekte Herzinsuffizienz

513'000

Prof. Urs Eriksson, Universität Zürich 75'000
The effect of lidocaine on MMP9 release and ventricular remodelling following experimental acute myocardial infarction

Dr. Andreas Flammer, Universitätsspital Zürich Cocoa flavanols in patients with Heart Failure and preserved ejection fraction	40'000
Dr. Gabriela Kania, Universitätsspital Zürich The role of inflammatory myeloid cell compartment in myocardial fibrogenesis and pathological remodelling in systemic sclerosis	70'000
PD Dr. Gabriela Kuster Pfister, Universitätsspital Basel Impact of Flt3-disruption on cardiac progenitor cell homeostasis and function: Implications for cancer therapy-related cardiotoxicity	60'000
Dr. Sarah Longnus, Universitätsspital Bern Improving cardiac tolerance to ischemia and reperfusion with microRNA	65'000
Dr. Anna Marsano, Universitätsspital Basel Engineering of a cardiac patch with an intrinsic vasculogenic potential (part 2)	50'000
Dr. Guiseppina Milano, Universitätsspital Lausanne Thymosin β 4 and hypoxic cardiopulmonary remodeling	75'000
Dr. Patrick Yerly, Centre hospitalier universitaire vaudois, Lausanne Characterization of right ventricular afterload and pulmonary vascular disease in pulmonary hypertension associated with left heart disease and determination of the effect of vasoreactivity testing with nitroprusside	33'000
Dr. Christian Zuppinger, Universitätsspital Bern Development of a scaffold-free 3D culture model of iPSC-derived human cardiomyocytes and other cardiac cells types for cardiotoxicity testing and studies on cell-cell interactions	45'000
Projekte Herzrhythmusstörungen	84'000
Dr. Laurent Roten, Universitätsspital Bern Screening for silent atrial fibrillation in patients with prolonged atrial electromechanical interval and high thromboembolic risk; development and validation of a probability score to diagnose atrial fibrillation with extensive screening	60'000
Dr. Beat Schär, Universitätsspital Basel Risk reassessment in individual patients with an implantable cardioverter defibrillator at the time of first battery depletion	24'000
Andere kardiovaskuläre Projekte	499'000
Dr. Angelo Auricchio, Cardiocentro Ticino, Lugano ECG-imaging of left ventricular electrical remodeling (Das Projekt wird nicht durchgeführt - der vorgesehene Beitrag fliesst daher in den Reservefonds)	45'000
Dr. Przemyslaw Blyszczuk, Physiologisches Institut, Zürich Heart-specific autoimmunity in inflammatory and in ischemic heart disorders	30'000
Dr. Nicolas Brugger, Universitätsspital Bern Mitral Regurgitation Evaluation by 3-D Color Doppler Echocardiography and Cardiac Magnetic Resonance as the Reference Method with in vitro validation of the technique	72'000
Dr. Michael Gessat, Universitätsspital Zürich In-vivo Measurement of Aortic Annulus Mechanics – Validation of image based elasticity estimation with direct measurements	60'000
Prof. Roger Hullin, Centre hospitalier universitaire vaudois, Lausanne Motion suppressed CE-MRI and 3T DynEq cardiac MRI for detection of transplant vasculopathy	57'000
Dr. Christophe Montessuit, Université de Genève Free and lipoprotein-derived fatty acids: how they impair myocardial glucose transport	45'000

Dr. Francesco Santini, Universitätsspital Basel	70'000
Development and validation of non-contrast-enhanced cardiac viability magnetic resonance imaging with variable echo time (vTE)	
Dr. Andreas Schönenberger, Universitätsspital Bern	40'000
Prognosis of patients with angina equivalent symptoms but no coronary artery disease: long-term follow-up of the Heart Quest cohort study	
Dr. Simon Sündermann, Universitätsspital Zürich	50'000
Analysis of the influence of peri-prosthetic anatomical structures at the aortic valve prosthesis after transcatheter aortic valve implantation (TAVI).	
Dr. Peter Wenaweser, Universitätsspital Bern	30'000
SWISS TAVI Registry	
Zerebrovaskuläre Projekte	650'828
Prof. Jürgen Beck, Universitätsspital Bern	100'000
Swiss study of initial decompressive craniectomy versus best medical treatment of spontaneous supratentorial intracerebral hemorrhage (SWITCH): a randomized controlled trial	
Prof. Britta Engelhardt, Universität Bern	80'000
Molecular mechanisms mediating neutrophil and monocyte interaction with the blood-brain barrier after ischemic stroke	
Prof. Stefan Engelter, Universitätsspital Basel & Felix-Platter Spital Basel	90'000
Transcranial Holter recordings to monitor treatment effects in patients with cervical artery dissection treated with either aspirin or anticoagulation - A substudy to the randomized controlled trial "Treatment in cervical artery dissection"	
Dr. Mirjam Heldner, Universitätsspital Bern	50'000
Design of a new clinical score (Bernese Central Vessel Occlusion Score) in predicting central arterial vessel occlusion in anterior and posterior circulation stroke	
Prof. Philippe Lyrer, Universitätsspital Basel	30'000
Gene expression analysis in sporadic and hereditary cerebral small vessel disease	
Prof. Heinrich Mattle, Universitätsspital Bern	94'828
The brain heart interaction in acute stroke	
PD Dr. Patrik Michel, Centre hospitalier universitaire vaudois, Lausanne	70'000
Individualizing treatment decisions in Acute Ischemic Stroke by developing predictive models of Arterial Revascularization	
Dr. David Julian Seiffge, Universitätsspital Basel	76'000
The Swiss Registry of New Anticoagulants in Stroke patients- a national audit addressing a) thrombolysis in patients treated with new anticoagulants and b) new anticoagulants and intracerebral hemorrhage	
PD Dr. Roman Sztajzel, Hôpitaux Universitaires de Genève	60'000
What ultrasound characteristics predict high uptake on 18 FDG PET-CT and/or intraplaque hemorrhage on black-blood T1-weighted MRI?	