

## «Young Talents in Clinical Research»: list of grantees 2017-2023

**2023**

### **Beginner Grants**

**Dr. med. Armon Arpagaus, Innere Medizin, Universitätsspital Basel**

Cardiopulmonary resuscitation code status in futile patients and development of an implementation plan for checklist guided code discussions - an ancillary project of a checklist-guided shared decision-making for code status discussions in medical inpatients  
CHF 75'000.–

**Julia Bianca Bardoczi, Allgemeine Innere Medizin, Universitätsspital Bern**

Bempedoic acid with or without statin therapy compared to PCSK9-inhibitors and ezetimibe for cardiovascular risk reduction  
CHF 71'235.–

**Dr. med. Benjamin Beyersdorf, Neurochirurgie, Universitätsspital Zürich**

Transcriptomic profiling and risk stratification of human brain arteriovenous malformations at single cell resolution  
CHF 74'824.–

**Dr. med. Alessa Fischer, Endokrinologie, Diabetologie und klinische Ernährung, Universitätsspital Zürich**

Prognostic and predictive biomarkers for the uptake of radiolabeled somatostatin analogs in diagnosis and therapy of pheochromocytomas and paragangliomas  
CHF 75'000.–

**Pascal Gächter, Pädiatrie, Universitäts-Kinderspital Beider Basel**

A prospective assessment of hypothalamic-pituitary-adrenal axis suppression after treatment with glucocorticoid therapy for childhood leukaemia  
CHF 75'000.–

**Dr. med. Kevin Hofer, Medizinische Onkologie und Hämatologie, Universitätsspital Zürich**

Diagnosis in one breath – Real-time breath analysis for the detection of invasive fungal infections in neutropenic high-risk patients: the REDEFINE study  
CHF 67'168.–

**Dr. med. Cédric Kissling, Neurochirurgie, Universitätsspital Bern**

A space-expanding flap in decompressive hemicraniectomy for stroke – a randomized controlled multicenter trial  
CHF 75'000.–

**Dr. med. Helene Meyer, Innere Medizin, Luzerner Kantonsspital**

Optimizing dosing strategies in oral iron supplementation  
CHF 65'896.–

**Roxanne Pretzsch, Neurologie, Universitätsspital Basel**

PREDICT-MOGAD: To treat, or not to treat - towards predicting disease trajectories in MOGAD  
CHF 75'000.–

**Dr. med. Philippe Valmaggia, Ophthalmologie, Universitätsspital Basel**

Dynamic optical coherence tomography of the human retina in vivo  
CHF 75'000.–

**Dr. med. Luisa von den Driesch, Kinder- und Jugendpsychiatrie, Universitäre  
Psychiatrische Dienste Bern**

Ecological momentary assessment for short-term prediction of suicidal ideation and behavior in  
adolescents at high risk of self-harm  
CHF 72'899.–

**Project Grants**

**Dr. Cihan Atila, Endokrinologie, Universitätsspital Basel**

Effect of intranasal oxytocin on emotion recognition and acute psycho-social stress-induced  
cortisol increase in patients with central diabetes insipidus and healthy controls – the  
OxyMOTION-Study  
CHF 80'000.–

**Dr. med. Bernhard Siepen, Neurologie, Universitätsspital Bern**

MAXimal medical treatment of IntraCerebral Haemorrhage: A prospective nested MRI substudy  
(MAX-ICH-MRI)  
CHF 78'000.–

2022

### Beginner Grants

**Dr. med. Lucy Bolt, Allgemeine Innere Medizin, Universitätsspital Bern**

Cardiovascular outcomes in adults with low-density lipoprotein cholesterol (LDL-C) levels of  $\geq 4.9$  mmol/L: 15 years follow-up of the CoLaus Cohort  
CHF 74'412.–

**Dr. med. Federico Burguet Villena, Neurologie, Universitätsspital Basel**

Retinal vessel analysis in multiple sclerosis  
CHF 75'000.–

**Dr. med. Tamara Dörr, Innere Medizin, Kantonsspital St.Gallen**

Syndromic surveillance of influenza-like illness in healthcare workers and association of symptom patterns with specific respiratory viral pathogens  
CHF 75'000.–

**Dr. med. Johannes Frenger, Neurologie, Universitätsspital Basel**

The Role of Oxytocin in Acute ischemic stroke reconVAlesceNCE: The ROXANE study  
CHF 71'215.–

**Moa Haller, Allgemeine Innere Medizin, Universitätsspital Bern**

The association between cholesterol and major cardiovascular events in older adults without previous cardiovascular events: a prospective cohort study  
CHF 70'829.–

**Dr. med. Nils Kallen, Soziale Psychiatrie, Psychiatrische Universitätsklinik Zürich**

Retinal cytoarchitecture as a biomarker to improve identification of patients at pre-clinical and early stages of psychotic disorders – the RETPSY study  
CHF 73'600.–

**Dr. med. Alexander Köpp, Neurologie, Universitätsspital Zürich**

A blood test for non-invasive diagnosis and disease monitoring of malignant brain tumors based on tumor-specific extracellular vesicles  
CHF 75'000.–

**Dr. med. Céline Laesser, Pädiatrie, Universitäts-Kinderspital Zürich**

SMASH - Simplified meal approach study using hybrid closed-loop insulin delivery in youth and young adults with type 1 diabetes – a randomized controlled two-center crossover trial  
CHF 75'000.–

**Dr. med. Sophia Morandi, Ophthalmologie, Universitätsspital Bern**

The ocular surface microbiome in health and disease  
CHF 68'040.–

**Dr. med. Despoina Christina Pavlidou, Humangenetik, Centre hospitalier universitaire vaudois, Lausanne**

Resolving the unresolved: long-read DNA sequencing for rare disorders  
CHF 75'000.–

**Dr. med. Arianna Piffer, Pädiatrische Onkologie, Universitäts-Kinderspital Zürich**

Deep learning for paediatric posterior fossa tumour segmentation and radiomics classification  
CHF 50'984.–

**Dr. med. Thomas Schneider, Neurologie, Kantonsspital St.Gallen**

The motor side of neglect: Improving the detection and understanding of premotor- and motor neglect following stroke

CHF 75'000.–

**Dr. med. Teodor Serban, Kardiologie, Universitätsspital Basel**

Arrhythmia-induced cardiomyopathy – prospective validation of a novel algorithm of diagnosis using echocardiography

CHF 75'000.–

**Project Grant**

**Dr. med. Florentia Dimitriou, Dermatologie, Universitätsspital Zürich**

Multi-omic characterization of immune-related adverse events during treatment with immune checkpoint inhibitors in advanced melanoma: one step towards a personalized treatment

CHF 80'000.–

2021

### Beginner Grants

**Dr. med. Maiwand Ahmadsei, Klinik für Radio-Onkologie, Universitätsspital Zürich**

Towards a better understanding of imaging-based radiomics biomarkers by association with high-dimensional molecular analysis in malignant melanoma  
CHF 72'699.–

**Dr. med. Julia Flammer, Neurologische Klinik und Poliklinik, Universitätsspital Basel**

Characterization of IgA+ B cells in Glioblastoma multiforme - the Chance GBM study  
CHF 75'000.–

**Dr. med. Cecilia Friedrichs-Maeder, Universitätsklinik für Neurologie, Universitätsspital Bern**

Pharmacological control of cortical excitability in epilepsy  
CHF 75'000.–

**Dr. med. Nicolas Gürtler, Klinik Innere Medizin, Universitätsspital Basel**

Can continuous infusion coupled with therapeutic drug monitoring improve flucloxacillin target attainment compared to standard intermittent bolus dosing in patients with complicated Staphylococcus aureus infections? A randomized, controlled interventional trial  
CHF 75'000.–

**Dr. med. Oussama Habra, Universitätsklinik für Augenheilkunde, Universitätsspital Bern**

Artificial intelligence to detect optic disc abnormalities from infrared images of the ocular fundus  
CHF 75'000.–

**Dr. med. Sarah Hösli, Klinik für Neurologie, Universitätsspital Zürich**

Analyzing the effects of rotation and translation on perceived direction of self-motion using a motion simulator  
CHF 75'000.–

**Dr. med. Antonia Klein, Universitätsklinik für Neurologie, Universitätsspital Bern**

Neuromodulatory treatment approach with transcranial alternating current stimulation for the visual snow syndrome  
CHF 75'000.–

**Dr. med. Giulia Rathmes, Klinik für Endokrinologie, Diabetologie und klinische Ernährung, Universitätsspital Zürich**

Personalized insulin dosing: Retrospective analysis and machine learning prediction using electronic health records (EHRs)  
CHF 73'088.–

**Dr. med. Dominik Sager, Klinik für Nuklearmedizin, Universitätsspital Zürich**

Cardiac positron emission tomography for personalized management of patients with coronary artery disease  
CHF 74'738.–

**Dr. med. Mirah Stuber, Universitätsklinik für Allgemeine Innere Medizin, Universitätsspital Bern**

Central nervous system medication and risk of hospital admission in older multimorbid adults: a prospective cohort study

CHF 70'830.–

**Dr. med. Paulina Sypniewska-El Khoury, Anesthésiologie, Hôpitaux Universitaires de Genève**

Enhanced vs. standard pain management in patients at risk for persistent postoperative pain: a pragmatic, randomized controlled trial

CHF 64'410.–

**Dr. med. Miranda Visini, Hals-, Nasen- und Ohrenkrankheiten, Kopf- und Halschirurgie, Universitätsspital Bern**

The voice as a tool to detect recurrence of laryngeal cancer

CHF 39'235.–

**Dr. med. Jacqueline Wyss, Viszerale Chirurgie und Medizin, Universitätsspital Bern**

Impact of a low carbohydrate diet on the small intestinal microbiota

CHF 75'000.–

**Project Grant**

**Dr. med. Marc-Antoine Bornet, Service de soins palliatifs et de support, Centre hospitalier universitaire vaudois, Lausanne**

Will to live and its relationship to life-sustaining treatment preferences, healthcare use and the wish to die among older nursing home residents

CHF 80'000.–

**2020**

**Beginner Grants**

**Dr. med. Cihan Atila, Endokrinologie, Diabetologie und Metabolismus, Universitätsspital Basel**

Circulating oxytocin changes in response to the oxytocin system stimulator MDMA in patients with Diabetes insipidus and healthy controls – the OxyMA-Study  
CHF 75'000.–

**Dr. med. Maria Boesing, Medizinische Universitätsklinik, Kantonsspital Baselland**

Inhaled Aviptadil for the prevention of COVID-19 related ARDS  
CHF 72'412.–

**Dr. med. Sebastian Christ, Klinik für Radio-Onkologie, Universitätsspital Zürich**

Radio-oncological treatment of long-term glioblastoma survivors  
CHF 72'219.–

**Dr. med. Sonja Häckel, Orthopädische Chirurgie und Traumatologie, Universitätsspital Bern**

Surgical treatment of thoracolumbar incomplete burst fractures in patients without neurological symptoms: 360°-fusion versus posterior instrumentation with an additional vertebral body stent  
CHF 75'000.–

**Dr. med. Naomi Franziska Lange, Viszerale Chirurgie und Medizin, Universitätsspital Bern**

Improving non-invasive assessment of advanced fibrotic MAFLD in diabetic patients  
CHF 73'660.–

**Dr. med. Sophia Lengsfeld, Endokrinologie, Diabetologie und Metabolismus, Universitätsspital Basel**

Effects of Glucagon-Like Peptide-1 Analogs on Sexuality – the DESIRE study  
CHF 75'000.–

**Dr. med. Victor Frank Mergen, Diagnostische und Interventionelle Radiologie, Universitätsspital Zürich**

Optimizing cardiovascular risk prediction and success of transcatheter valve replacement with a new computed tomography technology  
CHF 72'283.–

**Dr. med. Jeanne Moor, Allgemeine Innere Medizin, Universitätsspital Bern**

Sex-specific association of pharmacotherapy dosage with clinical outcomes in participants of the BEAT-AF and Swiss-AF cohorts  
CHF 73'126.–

**Dr. med. Seraina Netzer, Allgemeine Innere Medizin, Universitätsspital Bern**

Association between hyponatremia and mortality and readmission in multimorbid older adults: a prospective cohort study  
CHF 71'308.–

**Dr. med. Bernhard Matthias Siepen, Universitätsklinik für Neurologie, Universitätsspital Bern**

Deciphering outcomes in intracerebral haemorrhage associated with different types of oral anticoagulants

CHF 74'000.–

**Dr. med. Stefanos Voglis, Klinik für Neurochirurgie, Universitätsspital Zürich**

Exploring new biomarkers for therapy-response and clinical outcomes in brain metastases by in-depth characterization of the tumor microenvironment using imaging mass cytometry  
CHF 73'508.–

**Dr. med. Martina Zangger, Berner Institut für Hausarztmedizin, Universität Bern**

Tackling potentially inappropriate prescriptions in Swiss primary care: sustainability and spillover effect of an eHealth solution for general practitioners and patients with polypharmacy  
CHF 73'500.–

### **Project Grants**

**Dr. med. Martina Göldlin, Universitätsklinik für Neurologie, Universitätsspital Bern**

What is the role of small vessel disease dynamics in the prognosis of intracerebral haemorrhage? A prospective MRI-cohort study (MRI-PRO-SVD)  
CHF 79'450.–

**Dr. med. Miro Emanuel Räber, Klinik für Immunologie, Universitätsspital Zürich**

Interleukin-2 modulated B cell homeostasis in systemic lupus erythematosus  
CHF 80'000.–



2019

### **Beginner Grants**

**Dr. med. Ketina Arslani, Cardiovascular Research Institute Basel, Universitätsspital Basel**

Impact of implementation of a routine screening and response program for perioperative myocardial injuries/infarctions after noncardiac surgery (Impact-PMI)  
CHF 75'000.–

**Dr. med. Lorin Bègré, Universitätsklinik für Infektiologie, Universitätsspital Bern**

Understanding treatment outcomes of HIV/HBV coinfection: A prospective cohort of HIV/HBV-coinfected patients in Europe (Euro-B)  
CHF 73'600.–

**Dr. med. Marc-Antoine Bornet, Service de soins palliatifs et de support, Centre hospitalier universitaire vaudois, Lausanne**

Understanding the will to live in older nursing home residents  
CHF 62'655.–

**Dr. med. Florentia Dimitriou, Dermatologische Klinik, Universitätsspital Zürich**

Investigating Immunotherapy-related toxicities in melanoma: Characterization of serum cytokines during immune-related adverse events on anti-PD1 based immunotherapy for metastatic melanoma  
CHF 73'433.–

**Dr. med. André dos Santos Rocha, Service d'Anesthésiologie, Hôpitaux universitaires de Genève**

Clinical assessment of the benefit of physiological variable ventilation  
CHF 41'092.–

**Dr. med. Ellen Edwards, Universitätsklinik für Neurologie, Universitätsspital Bern**

Autoimmunity in narcolepsy  
CHF 75'000.–

**Dr. med. Carmen Floriani, Berner Institut für Hausarztmedizin, Universität Bern**

Deprescribing antihypertensive drugs in oldest-old and frail patients: a patient-oriented guideline for general practitioners and a patient decision aid tool  
CHF 74'065.–

**Dr. med. Julian Jakob, Universitätsklinik für Kinderheilkunde, Universitätsspital Bern**

Effects of electric nicotine delivery systems on pulmonary health in teenagers  
CHF 75'000.–

**Dr. med. Chantal Meier, Klinik für Rheumatologie, Universitätsspital Zürich**

Assessment of CT-based radiomics features as predictive imaging markers for the response to mycophenolate mofetil in interstitial lung disease associated with systemic sclerosis  
CHF 75'000.–

**Dr. med. Thomas Meinel, Universitätsklinik für Neurologie, Universitätsspital Bern**

Prevalence of attributable etiology and modifiable stroke risk factors in patients with clinically silent brain infarctions (SILENT-registry)  
CHF 74'000.–

**Dr. med. Joana Sa de Almeida, Service du développement et de la croissance, Hôpitaux universitaires de Genève**

Music and the developing brain: Environmental enrichment and brain plasticity in preterm infants

CHF 64'840.–

**Dr. med. Nikolaus Wagner, Dermatologie, Kantonsspital St.Gallen**

Tumor kinetics of metastatic melanoma: A multicenter study evaluating the pattern of tumor kinetics and its prognostic and predictive potential

CHF 47'000.–

**Project Grants**

**Dr. med. Luise Adam, Universitätsklinik für Angiologie, Universitätsspital Bern**

Residual cardiovascular risk in patients with symptomatic peripheral arterial disease and statin therapy/lipid lowering therapy

CHF 33'015.–

**Dr. med. Johannes Kaesmacher, Neuroradiologie, Universitätsspital Bern**

MR-INSPIRE: MRI following endovascular INtervention to Screen for Perfusion-Diffusion Imaging Related Escalation of Therapy

CHF 76'300.–

**Dr. med. Clara Sailer, Endokrinologie, Diabetologie und Metabolismus, Universitätsspital Basel**

Oxytocin in response to hypertonic saline and arginine infusion in patients with primary polydipsia and healthy volunteers

CHF 80'000.–

2018

### **Beginner Grants**

**Dr. med. Hadrien Beuret, Service de Médecine interne, Centre hospitalier universitaire vaudois, Lausanne**

Comparison of the SAI-AGLA and SCORE cardiovascular risk scores: finding the best fit for Switzerland  
CHF 38'830.–

**Dr. med. Maria de Montmollin, Allgemeine Innere Medizin, Universitätsspital Bern**

Does Achilles tendon ultrasound help to diagnose familial hypercholesterolemia?  
CHF 74'705.–

**Dr. med. Anne Girardet, Service de pédiatrie générale, Hôpitaux Universitaires de Genève**

Unilateral cerebral palsy: a multidimensional study on outcome and risk factors  
CHF 53'499.–

**Dr. med. Johannes Goldberg, Universitätsklinik für Neurochirurgie, Universitätsspital Bern**

Restrictive use of Dexamethasone in glioblastoma (RESDEX)  
CHF 75'000.–

**Dr. med. Martina Göldlin, Universitätsklinik für Neurologie, Universitätsspital Bern**

Safety of Early versus Late initiation of direct oral Anticoagulants in post-ischaemic stroke patients with Non-valvular atrial fibrillation (ELAN): an MRI sub-study  
CHF 74'000.–

**Dr. med. Cornelia Imber, Endokrinologie, Diabetologie und Metabolismus, Universitätsspital Basel**

Effects of the SGLT2-inhibitor Empagliflozin on patients with chronic SIADH - the SANDx study  
CHF 75'000.–

**Dr. med. Luca Koechlin, Cardiovascular Research Institute Basel, Universitätsspital Basel**

Patients after coronary artery bypass grafting: novel approaches for the early diagnosis of acute myocardial infarction and the non-invasive detection of functionally-relevant coronary artery disease  
CHF 75'000.–

**Dr. med. Michael Christian Mayinger, Klinik für Radio-Onkologie, Universitätsspital Zürich**

MRI-LINAC guided Radiosurgery for non-invasive cardiac radioablation of ventricular tachycardia  
CHF 75'000.–

**Dr. med. Jannis Müller, Neurologische Klinik und Poliklinik, Universitätsspital Basel**

Diffusion MRI to predict treatment response in multiple sclerosis  
CHF 75'000.–

**Dr. med. Miro Emanuel Räber, Klinik für Immunologie, Universitätsspital Zürich**

Low-dose interleukin-2 as novel treatment approach for systemic lupus erythematosus: The Charact-IL-2 Trial

CHF 75'000.–

**Dr. med. Clara Sailer, Endokrinologie, Diabetologie und Metabolismus, Universitätsspital Basel**

Effects of GLP-1 analogues on fluid intake in patients with primary polydipsia: the GOLD-Study  
CHF 75'000.–

**Dr. med. Marianne Schesny, Neurologie, Universitätsspital Zürich**

Validation of a novel ambulatory wearable technology in the diagnosis of central disorders of hypersomnolence  
CHF 75'000.–

**Project Grant**

**Dr. med. Ebrahimi Fahim, Endokrinologie, Diabetologie und Metabolismus, Universitätsspital Basel**

Effects of interleukin-1 $\beta$  antagonism on the renin-angiotensin-aldosterone system blood pressure and volume homeostasis – the RAS-IL study  
CHF 40'000.–

**2017**

**Beginner Grants**

**Dr. med. Luise Adam, Allgemeine und Innere Medizin, Inselspital, Bern**

Appropriateness of statin use in multimorbid, elderly patients: A cross sectional cohort study nested in a multicentre randomized trial  
CHF 74'420.–

**Dr. med. Philipp Baumgartner, Neurologie, Universitätsspital Zürich**

Anticipating intracranial hypertension before it can harm: Optic nerve sonography to monitor intracranial pressure after stroke  
CHF 48'336.–

**Dr. med. Jasper Boeddinghaus, Kardiologie und Innere Medizin, Universitätsspital Basel**

APACE late  
CHF 75'000.–

**Dr. med. Alessandra Marielle Bosch, Hämatologie, Universitäts-Kinderspital Zürich**

miRNAs in sickle cell disease  
CHF 39'016.–

**Dr. med. Davide Marco Croci, Neurochirurgie, Universitätsspital Basel**

Virtual reality (Oculus Rift) for vascular and minimally invasive skull base surgery  
CHF 46'116.–

**Dr. med. Fahim Ebrahimi, Endokrinologie, Universitätsspital Basel**

Effects of IL-1 beta on the hypothalamic-pituitary-gonadal (HPG) axis in men with obesity and metabolic syndrome: The TestIL trial  
CHF 75'000.–

**Dr. med. Guido Ghilardi, Istituto Oncologico della Svizzera Italiana, Bellinzona**

Molecular prediction of long term benefit from Ibrutinib in high risk chronic lymphocytic leukemia  
CHF 75'000.–

**Dr. med. Kerstin Jost, Allgemeine Pädiatrie, Kantonsspital Graubünden, Chur**

NEO (Neonatal Esophageal Observation) tube: A feeding tube with monitoring function  
CHF 57'093.–

**Dr. med. Johannes Kaesmacher, Neurologie, Inselspital, Bern**

Thrombus migration and preinterventional recanalization during ischemic stroke due to large vessel occlusion: Predisposing factors, impact on subsequent endovascular stroke therapy and clinical relevance  
CHF 74'000.–

**Dr. med. Gintaras Mickeliunas, Neurologie, Universitätsspital Basel**

Optical coherence tomography as a marker of cognitive impairment in multiple sclerosis  
CHF 75'000.–

**Dr. med. Martin Müller, Notfallmedizin, Inselspital, Bern**

Development and validation of a scoring system of medical resource consumption and performance in emergency medicine  
CHF 75'000.–

**Dr. med. Stéphanie Perrodin, Viszerale Chirurgie, Inselspital Bern**

Impact of core muscle training on incisional hernia and pain after abdominal surgery  
CHF 47'700.–

**Dr. med. Alexandros Polymeris, Neurologie, Universitätsspital Basel**

Electronic monitoring and improvement of adherence to direct oral anticoagulant treatment:  
An interventional study in ischaemic stroke patients under polypharmacy  
CHF 47'364.–

**Dipl. med. Philip Thwaites, Neonatologie, Universitätsspital Zürich**

Outcome of very preterm infants after periventricular haemorrhagic infarction (OPTION Study)  
CHF 40'040.–

**Dr. med. Maria Waizel, Ophthalmologie, Universitätsspital Basel**

Retinal vessel oxygen saturation and optical coherence tomography angiography in patients  
with inherited retinal diseases  
CHF 75'000.–

**Dr. med. Joan Elias Walter, Kardiologie, Universitätsspital Basel**

A biomarker-based approach to patients suspected with coronary artery disease:  
Improving the current risk-stratification  
CHF 72'600.–