



## Forschungskredit der Universität Zürich - Postdoc: Bewilligte Projekte 2021

*Diese Liste ist nicht rechtsverbindlich. Alle Gesuchstellenden werden voraussichtlich bis Ende Juni 2021 schriftlich über den Entscheid informiert.*

Gesuchsteller/in		Projekttitel
<b>Theologische Fakultät</b>		
* Brügger	Tobias Samuel	Christianity and Organization Studies: Microfoundations of Christian existence at work
* Maier	Daniel	Lost in Transmission - Die verschiedenen Überlieferungstraditionen der Petrusapokalypse und ihre Chancen für ein besseres Verständnis der frühchristlichen Paradieskonzeption
<b>Wirtschaftswissenschaftliche Fakultät</b>		
de Hollander	Gilles	Causal evidence that risk preferences originate from noisy magnitude representations in the brain.
<b>Medizinische Fakultät</b>		
* Carullo	Nancy	Genomic Enhancers as Novel Regulators of Transcriptional Responses to the Environment in the Brain
* Dakhli	Haithem	Mapping Cancer Responses using Organoids and Single-cell Technologies (MACAROST)
* Galvanetto	Nicola	Dancing in a dense environment: monitoring disordered proteins in biomolecular condensates at the single-molecule level
* Garaeva	Alisa	Characterization of heme transport in Mycobacterium tuberculosis
* Jiang	Jingjing	Learning approach for near infrared optical tomography to image tumor oxygenation
* Lettlova	Sandra	The Role of Bile Acids in Endothelial Metabolism
* Liu	Tingting	Identifying genetic modifiers of prion toxicity via genome-wide CRISPR activation and knockout synthetic lethality screenings
* Liu	Yu-Hang	Wearable two-photon optoacoustic microscopy (TPOAM) system for studying neurovascular coupling in freely behaving mice
* Miracca	Giulia	3D and spatial characterisation of prion disease development in the mouse brain
* Nafcha	Orit	Controllability and the Interoception of Breathing
* Nascakova	Zuzana	Mycobacterial infection as a possible co-factor of Helicobacter pylori-induced gastric cancer risk
* Skorucak	Jelena	Artificial intelligence solution as clinical aid in the diagnosis of epilepsy in children
* Szczerba	Barbara	Impact of the Interactions between Intestinal Microbiome and Circulating Tumor Cells on Colorectal Cancer Metastasis
* Tepekule	Burcu	Developing and optimizing a personalized probiotic treatment regime for nasal endogenous Staphylococcus aureus and Streptococcus pneumoniae
* Yang	Tianjin	Probing a new paradigm of protein interactions with rapid-mixing droplet-based microfluidics

\* Die beantragte Projektsumme und/oder -laufzeit wurden gekürzt

° Das Gesuch wird der Stiftung für Forschung an der Medizinischen Fakultät zur Finanzierung vorgeschlagen



* Yin	Jiang-An	Identifying genetic modifiers of microglia-mediated clearance of prion aggregates using highly-efficient human genome-wide CRISPR activation arrayed library
<b>Vetsuisse Fakultät</b>		
* Marti	Hanna	Exploring the origin of tetracycline resistance in Chlamydia suis: crucial role for Aeromonas salmonicida ssp. salmonicida?
* Scarlet	Dragos	Steroidogenic capacity and functional adaptation of equine granulosa cells during acquisition of oocyte developmental competence in the horse
* Villasenor Molina	Rodrigo	Genome-wide profiling of circulating cell-free nucleosomes from human plasma - towards to a new generation of liquid biopsy assays for cancer diagnosis.
<b>Philosophische Fakultät</b>		
* Ferrilli	Sara	Astronomy and Astrology in Medieval Italian Poetry of the 13th and 14th Century
* Frick	Jonas	Die Politisierung und Entpolitisierung vernetzter Computer
* Killias	Olivia	Caring not to Forget: Colonialism, Memory and Loss in Dutch Eldercare
Lukicheva	Polina	Apprehending the World through Relational Structures: Historical Evidence and Contemporary Approaches
* Palmtag	Tabea	Legacies of Economic Decline: The Longterm Consequences of Economic Downturn for Political Preferences
* Pauly	Theresa	In it together: Life transitions and couple concordance
* Roel Lesur	Marte	Embodied rescripting: tailored immersive experiences for reformatting our past
* Roswandowitz	Claudia	Unlocking the Acoustic Code of Human Voices
* Wienhues	Anna	Just Biodiversity Conservation in the Anthropocene
<b>Mathematisch-naturwissenschaftliche Fakultät</b>		
* Bazzi	Mohamad	Diversification dynamics in sharks across time and space
* Biondi	Yanina	R&D for Dark Matter searches for the DARWIN experiment
* Bonifazi	Marcella	Towards sustainable solution for power generation and fresh water production
* Buonocore	Luca	Mixed QCD-EW corrections for the Drell-Yan process at the LHC
* Carraro	Luca	Applying hydrology-based models to advance environmental DNA sampling strategies in river networks
Caviglia	Sara	Liver goes live: cellular behaviors building and connecting the hepato-biliary tubular network
* Cheng Sanchez	Ivan	Drugging the Undruggable: Phosphatase Recruiting Chimeras (PhoRCs) as New Potential Cancer Therapeutics
* Cormier	Kyle James Read	Per-event unfolding on LHC data and applications to top-quark physics
* Cun	Huanyao	Exploring photoluminescence of nanovoids in hexagonal boron nitride layers

\* Die beantragte Projektsumme und/oder -laufzeit wurden gekürzt

° Das Gesuch wird der Stiftung für Forschung an der Medizinischen Fakultät zur Finanzierung vorgeschlagen



* de Wit	Adinda	Direct and indirect probes of new physics in the Higgs sector
* Eck	Jenalle Laree	The belowground network: does mutualism with fungi shape diversity and disease in plant communities?
* Fazilaty	Hassan	Investigating reactivation of embryonic programs in inflammation and metastatic cancer of the colon
* Ferreira	André	A deep learning solution for individual identification of unmarked birds in open populations
* Garcia	Maxime	Effect of Tuberculosis on Meerkats' vocal communication system
* Haaland	Thomas Ray	Diversified strategies in a stochastic world: Mechanisms and consequences of behavioural and life-history adaptations to uncertainty
* Haney	Maria	Signal models as tools for the astrophysical interpretation of gravitational-wave transients
* Hartmann	Sarah	Digital labour platforms: building and assessing trust in platform-mediated care and domestic work in Delhi
* Li	Hongwei	Robust Self-supervised Deep Learning in Quantitative Medical Imaging
* Li	Jialun	Non-commutative Diophantine approximation
* Lieb	Julia	Various aspects of convolutional codes
* Martin	Dominic Andreas	AgroforestS - Agroforest Synthesis
* Mathad	Abhijit	Probing effects of new physics in semileptonic decays of heavy b-baryons at the LHCb experiment.
* Mitsou	Ermis	Rigorous observable computations for precision cosmology
* Moreno Cruz	Carlos	Phenalenyl-Based 1D and 2D Quantum Spin Liquids
* Müller	Simon	Towards a Better Understanding of Giant Planets in and out of our Solar System
* Olivares Aroca	Ingrid	Linking Scales in Ecology and Evolution to Understand Species Coexistence and Saturation
* Rannou	Emilie Jeannine Angèle Marie	Crosstalk between ATRX, H3.3 and PARP proteins during DNA damage repair and replicative stress
* Reimers	Arne	Searching for a Portal to Dark Matter with CMS
* Renner	Alpha	Event-based Visual Odometry on Neuromorphic Hardware
* Ross	Samuel	Towards a mechanistic understanding of global biodiversity change: the consequences of response diversity and its loss
* Szabo	Quentin	Multiscale control of nuclear states through cell lineage trajectories
* Tiberi	Simone	Differential velocity of single cells
* Timpe	Miles	Planet Formation with Machine Learning Accelerated N-body Simulations
* Williams	Elyse	Chemical tools to target Post-Translational Modifications (PTMs) in oncogenic Protein-Protein Interactions (PPIs)

\* Die beantragte Projektsumme und/oder -laufzeit wurden gekürzt

° Das Gesuch wird der Stiftung für Forschung an der Medizinischen Fakultät zur Finanzierung vorgeschlagen