

Research Pool Supported projects 2024

| Researcher | Faculty | Project title | Semester |
|---------------------|---|---|-------------|
| BELSER Eva Maria | LAW | Under pressure: Local governance in Central Eastern Europe | Autumn 2024 |
| CAMOS Valérie | HUMANITIES | Two mechanisms of maintenance in verbal working memory: Exploration of a new paradigm | Autumn 2024 |
| GEISLER Markus | SCIENCE & MEDICINE | Verification of a dual auxin-brassinosteroid transport activity on ABCBs | Autumn 2024 |
| LATTUADA Marco | SCIENCE & MEDICINE | Molecular Dynamic Simulations of Micelles Formation in Ionic Liquids | Autumn 2024 |
| LEDERMANN Katharina | HUMANITIES | Predicting EEG Activity During Noxious Stimulation Using a Mobile EEG Device in Older Adults with Neuropathic Pain- A Feasibility study | Autumn 2024 |
| SZABO Csaba | SCIENCE AND MEDICINE | Mitigation of cyanide overproduction in nonketotic hyperglycinemia | Autumn 2024 |
| WEISSKOPF Laure | SCIENCE AND MEDICINE | Discovering novel active molecules from actinomycetes and testing their potential for sustainable crop protection | Autumn 2024 |
| COSKUN Ali | SCIENCE AND MEDICINE | Hydrogen recovery device from Fuel Cell purge | Spring 2024 |
| FITAMEN Christophe | HUMANITIES | Attentional resource sharing during a working memory task according to the value of the information to be memorized | Spring 2024 |
| HAZAK Ora | SCIENCE AND MEDICINE | Developing a prototype for next-generation organic herbicides | Spring 2024 |
| ILLIA MANZAN Laura | MANAGEMENT, ECONOMICS AND SOCIAL SCIENCES | Legitimacy-as-deliberation in a multi-stakeholder setting in the age of Artificial intelligence (AI) | Spring 2024 |
| LESAGE Suzanne | HUMANITIES | Quantitative approaches to French intensifiers | Spring 2024 |

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| RUFFIEUX Nicolas | HUMANITIES | SUPPORT HIGHER EDUCATION STUDENTS WITH AUTISM WITH THE SDLMI-AHEAD PROGRAM | Spring 2024 |
| RUGGI Albert | SCIENCE AND MEDICINE | Supplement to the project “Tumor-on-Chip (ToC) platform incorporating Sensing hydrogel MAtrices – correlating microenvironment and response to immunotherapy (SMART-ToC)” approved by Dutch | Spring 2024 |

Research Pool Supported projects 2023

| Researcher | Faculty | Project title | Semester |
|-------------------------------|---------------------|--|-------------|
| BELSER Eva Maria | Law | Federalism and Regional Economic Development - Evidence from Bosnia and Herzegovina, Ethiopia, Iraq and Nepal | Spring 2023 |
| BERTHELE Raphael | Humanities | 1) Digital tools in L2 and L3 vocabulary acquisition. A cross-linguistic investigation 2) NCCR evolving language 3) National center of competence in multilingualism | Autumn 2023 |
| BICHSEL Christine | Sciences & Medicine | Teaching relief for the spring semester 2024 | Autumn 2023 |
| DENGJEL Jörn | Sciences & Medicine | The role of Tank-binding kinase 1 in wound healing and inflammation | Spring 2023 |
| FONTECEDRO-CURIONI Alessandra | Sciences & Medicine | Establishment of an ultra-high plex imaging workflow on the Cell Dive microscope to study the tumor microenvironment of mesothelioma and lung cancer | Spring 2023 |
| FONTECEDRO-CURIONI Alessandra | Sciences & Medicine | Development of a computational pipeline for the analysis of high dimensional spectral flow cytometry data | Autumn 2023 |
| GLAUSER Dominique | Sciences & Medicine | Molecular and cellular pathways controlling nociception and its plasticity | Autumn 2023 |
| GYGAX Pascal | Humanities | Teaching relief for the management of a SNF and a Weave Projets. | Autumn 2023 |
| HOOGEWIJS David | Sciences & Medicine | Functional characterization of oxygen-binding proteins in evolutionary basal models | Autumn 2023 |
| KURTH Salome | Humanities | ABERRANTsleep: does antibiotic exposure alter sleep and neurodevelopment in the first two years of life? | Spring 2023 |
| OSWALD Steve | Humanities | Pragmatics and argumentation. Research and public outreach | Spring 2023 |
| PLOMB Fabrice | Humanities | La financiarisation de la vie quotidienne. Les opportunités et les risques du processus de financiarisation en Suisse | Spring 2023 |

Research Pool Supported projects 2023

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| RÜEGG Curzio | Sciences & Medicine | A rapid blood test for breast cancer detection | Spring 2023 |
| RUGGI Albert | Sciences & Medicine | CORALS: Complexes bearing Redox-Active Ligands for Solar Fuels production | Autumn 2023 |
| SALENTINIG Stefan | Sciences & Medicine | Milk-inspired Biofilm Bacteria Killers | Spring 2023 |
| SHELKER Mark | Management, Economics and Social sciences | Firm Location and Business Networks in Switzerland since the 1930s | Autumn 2023 |
| SPIERER Lucas | Sciences & Medicine | Digital therapeutics to restore healthy consumptions | Spring 2023 |
| SPRECHER Simon | Sciences & Medicine | Preparation of third-party projects: Cephalopod brain atlas: single cell RNA transcriptomic to identify cell type diversity | Spring 2023 |

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Research Pool Supported projects 2022

| Researcher | Faculty | Project title | Semester |
|---------------------|---|--|-------------|
| BELSER Eva Maria | Law | From external to extremist relations? EU action to address extremism in political dialogue of the Western Balkans | Spring 2022 |
| BRUNETTO Priscilla | Sciences & Medicine | LMOFs thin film for lighting application | Autumn 2022 |
| CHABWINE Joelle | Sciences & Medicine | Effect of acute training on experimental pain response and GABAergic signaling according to intensive regular training and chronic pain contexts: a multiple case study. | Autumn 2022 |
| FAHR Andreas | Management, Economics and Social Sciences | Mood Management in Digital Media Environments | Autumn 2022 |
| GAUTHIER François | Humanities | Islam et superstition. Enquête sur la (mal)chance au sein des communautés musulmanes migrantes. Les cas de Naples, Fribourg et Paris. | Autumn 2022 |
| GIRAUD Marie-Noëlle | Sciences & Medicine | The ACE/AT1 and ACE2/AT2 balance in <i>B. diegensis</i> regeneration and development : an explorative study to develop a new alternative research method to reduce animal experimentation. | Spring 2022 |
| IMBERDORF Sebastian | Humanities | Apokalypse jetzt. Literarische Entwürfe einer hispanischen Welt in der Krise | Spring 2022 |
| KEPPNER Anna | Sciences & Medicine | Linking the newly identified androglobin to ciliary function | |
| KLUMB Petra | Humanities | Temporary members of health-care units: Blessing or burden? | Autumn 2022 |
| MAJTAN Tomas | Sciences & Medicine | Protein misfolding in homocystinuria: Development of a folding reporter assay, visualization of metabolic imbalance and impact of the treatment | Autumn 2022 |
| MONNEY Claude | Sciences & Medicine | Versatile time-resolved spectroscopies for complex materials | Spring 2022 |
| ROULIN Stéphanie | Humanities | Les chrétien·ne·s de gauche en Suisse alémanique, des « années 68 » aux années 1990 | Spring 2022 |

Research Pool Supported projects 2022

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| SAUER Jürgen | Humanities | Zwei Entlastungslehraufträge | Spring 2022 |
| SCHMETKAMP Susanne | Humanities | Aesthetics and Ethics of Attention. Subproject: Hermeneutic and Collective Attention | Autumn 2022 |
| SPIERER Lucas | Sciences & Medicine | Specific electrical neuroimaging biomarkers of the immunological Long Covid: a gateway to pathophysiology of cognitive symptoms? | Spring 2022 |
| STALIN Jimmy | Sciences & Medicine | Unraveling the role of endothelial cell MAGI1 in inflammation & Fibrosis | Autumn 2022 |

Research Pool Supported projects 2021

| Researcher | Faculty | Project title | Semester |
|-------------------------|---|--|-------------|
| BELSER Eva Maria | Law | HORIZON EUROPE: Politics and governance in a post-pandemic world Multi-level Governance under Stress (Working Title) | Autumn 2021 |
| BERNHARD Christian | Sciences & Medicine | Heterostructures from Transition Metal Chalcogenides and Oxides | Autumn 2021 |
| BRENNA Andrea | Sciences & Medicine | Arginase II (ARGII) provokes aging-associated neurodegeneration via ROS accumulation, which promotes Cyclin-Dependent Kinase 5 dysfunctional activity. | Autumn 2021 |
| DASEN Véronique | Humanities | Préparation d'un projet Agora (dépôt 1.9.2021)-La colombe d'Archytas : objets animés, automates et technologie dans le monde antique | Spring 2021 |
| DENGJEL Jörn | Sciences & Medicine | Perturbed homeostasis in fibroblasts from chronic wounds contributes to impaired wound healing | Spring 2021 |
| FAUCHART Emmanuelle | Management, Economics and Social Sciences | Founder social identity formation | Autumn 2021 |
| FEDDERSEN Alexandra | Management, Economics and Social Sciences | (Un)stable messages: Assessing the impact of political parties' changing messages on public opinion | Autumn 2021 |
| FONTANA-LANA Barbara | Humanities | "Mon vote, Ma voix"; soutenir les personnes avec une déficiences intellectuelle dans l'exercice de leurs droits politiques | |
| GELSHORN Julia | Humanities | Global Realisms | Spring 2021 |
| HERZ Holger | Management, Economics and Social Sciences | ERC Starting Grant 803332 - Behavioral Foundations of Power and Autonomy | Spring 2021 |
| JONIAK Agnieszka | Humanities | BORDERING CHINA: New border dynamics in Asia | Autumn 2021 |
| POGLIA MILETI Francesca | Humanities | Les expériences des jeunes issu-e-s des minorités ethniques, sexuelles et de genre en Suisse : de la construction identitaire à la discrimination | Spring 2021 |

Research Pool Supported projects 2021

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| PRSA Mario | Sciences & Medicine | Identifying the origin of conscious proprioception | Spring 2021 |
| RIPPERGER Jürgen | Sciences & Medicine | High time for astrocytes (SPARK project) | Spring 2021 |
| STALIN Jimmy | Sciences & Medicine | Unravelling the protective role of endothelial cell MAGI1 in vascular-dependent inflammation and fibrosis | Autumn 2021 |
| STRACCIA Claudio | Humanities | Better Understanding Adaptive Behavior: assessment, cross-cultural comparison and relationship with cognitive and general functioning in preschoolers with developmental disabilities | Autumn 2021 |
| SZABÓ Csaba | Sciences & Medicine | Cyanide as an endogenous regulatory molecule in mammalian cells : preparation for an ERC grant application | Autumn 2021 |

Research Pool Supported projects 2020

| Researcher | Faculty | Project title | Semester |
|--------------------------|---|---|-------------|
| BACCI Michele | Humanities | Pilgrims Database: The Holy Sites of Venice and Cyprus | Spring 2020 |
| BACHER Swen | Sciences & Medicine | IPBES Global Invasive Species Assessment | Spring 2020 |
| CUDRÉ-MAUROUX Philippe | Sciences & Medicine | Graph-Based Optimizations for Open Research Data | Autumn 2020 |
| DUBOIS Corinne | Management, Economics and Social Sciences | Fostering cooperation through social learning in dynamic social dilemmas | Spring 2020 |
| EMMENEGGER Gregor | Theology | Medienplattform "Glaube und Gesellschaft" | Spring 2020 |
| GEISLER Markus | Sciences & Medicine | "Grow or fight: Dissecting a dual ABC transporter substrate specificity | Autumn 2020 |
| GONZALES MARTINEZ Esther | Humanities | Requesting in hospital nurses unscheduled interprofessional interactions | Autumn 2020 |
| MANTEL Pierre-Yves | Sciences & Medicine | Cell engineered vehicles for drug delivery to SARSCoV-2 infected cells | |
| MARTIN SÖLCH Chantal | Humanities | Development and feasibility testing of an interactive pilot application for online health-related information searching by cancer | Spring 2020 |
| MUNSCH Simone | Humanities | Correlates of interpersonal emotion regulation problems in Loss Of Control eating (LOC) in youth: a combined questionnaire, laboratory and intervention study | Spring 2020 |
| MUNSCH Simone | Humanities | Correlates of interpersonal emotion regulation problems in Loss Of Control eating (LOC) in youth: a combined questionnaire, laboratory and intervention study | Autumn 2020 |
| PETITPIERRE Geneviève | Humanities | POLYOLF | Spring 2020 |

**Research Pool
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|----------------------|---------------------|---|-------------|
| PRAZ Anne-Françoise | Humanities | Histoire comparée de la transition du divorce en Suisse 1920-1980 | Autumn 2020 |
| RAVISSIN Yann | Sciences & Medicine | Overfeeding induced hypophagia - signals that make us stop eating | Autumn 2020 |
| REINHARDT Didier | Sciences & Medicine | “Promotion of reforestation of endangered argan forests by symbiotic arbuscular mycorrhizal fungi in the UNESCO Biosphere reserve “Arganeraie” in Morocco”. | Spring 2020 |
| SANCHEZ Eric | Humanities | Analyse de données relatives à l'expérimentation d'un learning lab | Autumn 2020 |
| SAUER Jürgen | Humanities | Entlastungslehrauftrag | Autumn 2020 |
| SPIERER Lucas | Sciences & Medicine | Qualification of Neurohab Software as a Medical Device | Spring 2020 |
| STEIN Jens Volker | Sciences & Medicine | Establishing photoconversion to study leukocyte migration in vitro and in vivo | Spring 2020 |
| WALCH Michael | Sciences & Medicine | Caspase death proteases in the control of intracellular bacterial infections | Autumn 2020 |
| WALLIMANN-HELMER Ivo | Sciences & Medicine | Ethical Conflicts between Carbon Dioxide Removal and Food Security | Spring 2020 |
| WICKY Chantal | Sciences & Medicine | Epigenetic programming of glucocorticoid receptor gene in motherchild dyads exposed to intimate partner violence | Autumn 2020 |
| ZIMMERMANN Petra | Sciences & Medicine | Antibiotic-induced disruption of the maternal and infant microbiota and adverse health outcomes – The ABERRANT study | Autumn 2020 |

Research Pool Supported projects 2019

| Researcher | Faculty | Project title | Semester |
|---------------------|---|---|-------------|
| ABE Jun | Sciences & Medicine | Establishing a platform to exploit CRISPR/Cas9 for optimal cytotoxic immune responses against tumors | Autumn 2019 |
| ALLOA Emmanuel | Humanities | The Making of Transparency | Autumn 2019 |
| BOUSQUENAUD Mélanie | Sciences & Medicine | Characterizing the role of CCN1 in obesity-mediated colorectal cancer | Autumn 2019 |
| BOZZINI David | Humanities | Penser l'Open Data pour les Sciences sociales: Potentialité et limites de l'archivage publique de données ethnographiques | Spring 2019 |
| DENGJEL Jörn | Sciences & Medicine | Biochemische Charakterisierung eines neuen Autophagie Rezeptors | Autumn 2019 |
| DUMAS Christelle | Management, Economics and Social Sciences | Labor markets in rural areas of Tanzania | Autumn 2019 |
| FROMM Katharina | Sciences & Medicine | Development of new battery materials: Cathodes and Electrolytes | Spring 2019 |
| GAUTHIER François | Humanities | From Nation-State to Market. Religious Change in Eastern Europe. The case of Romania and Russia. | |
| HAUSER Claude | Humanities | La mondialisation des Alpes (1945-1990) Quelle contribution Suisse ? | Autumn 2019 |
| HUNKELER Thomas | Humanities | Histoire littéraire de la Suisse plurilingue (1960-2020) | Autumn 2019 |
| KARFIK Filip | Humanities | Die Entstehung des Pythagoreischen Platonismus an der Schwelle des Hellenismus und Post-Hellenismus: Timaios Lokkos über Platon und die Natur | Autumn 2019 |
| KING Martina | Sciences & Medicine | Raising a Well-Grown Child:Media and Material Cultures of Child Health in the early nineteenth century | Spring 2019 |

**Research Pool
Supported projects 2019**

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|----------------------|---------------------|--|-------------|
| LAUBER-BIASON Anna | Sciences & Medicine | High glucose-sensitive nanocarriers for diabetes treatment | Spring 2019 |
| LEDERMANN Katharina | Humanities | Development of a smartphone application for the treatment of chronic pain in older adults -EMMA | Spring 2019 |
| MARTIN SÖLCH Chantal | Humanities | Traditional Amazonian Medicine for Psychosomatic Health: A Pre-Study on Amazonian Medical Usage of Tobacco | Spring 2019 |
| PLOMB Fabrice | Humanities | Economie de la précarité : valuations et évaluations au sein des circuits de commerce des jeunes NEET | Autumn 2019 |
| RASCH Björn | Humanities | Entlastungsbeitrag zum ERC Starting Grant "memo-Dlep" 677875 | Spring 2019 |
| SCHWAB Sandra | Interfaculty | Linguistic, cognitive and neural predictors in the ability to discriminate stress contrasts in a second language | Autumn 2019 |
| WEISSKOPF Laure | Sciences & Medicine | Actinomycetes and their metabolites as fungicide alternatives | Autumn 2019 |

**Research Pool
Supported projects 2018**

| Researcher | Faculty | Project title | Semester |
|----------------------|---------------------|--|-------------|
| ALBRECHT Urs | Sciences & Medicine | Monocarboxylate transporter1 (MCT1) as a gatekeeper for food anticipatory activity | Autumn 2018 |
| ANNONI Jean-Marie | Sciences & Medicine | Motor-Language Interaction in the first and second language | Autumn 2018 |
| CAMOS Valérie | Humanities | CLASS Computational Learning Sciences | Spring 2018 |
| CSABA Szabo | Sciences & Medicine | Role of H2S in the tumor microenvironment | Autumn 2018 |
| DE VIRGILIO Claudio | Sciences & Medicine | Mapping novel genetic interactions within the TORC1 signaling network | Spring 2018 |
| DELALOYE Reynald | Sciences & Medicine | 4D4M : 4D Monitoring of Mountain Mass Movements using satellite-borne radar interferometry and Global Navigation Satellite Systems | Autumn 2018 |
| GIRAUD Marie-Noëlle | Sciences & Medicine | Characterization of subpopulations of bone marrow derived stem cell expressing PCSK9: a pilot study | Autumn 2018 |
| HOOGEWIJS David | Sciences & Medicine | Functional role of the novel oxygen-binding protein androlobin in various tissues and cancer | |
| MALI Franz | Theology | Opus imperfectum in Matthaëum. Edition critique et traduction annotée | Autumn 2018 |
| MÜLLER-SCHÄRER Heinz | Sciences & Medicine | Developing a climate-driven demographic model for potential biological control insects against a European plant invader | Spring 2018 |
| PLOMB Fabrice | Humanities | L'économie de la précarité. Valuations et évaluations au sein des circuits de commerce des jeunes NEET | Spring 2018 |
| REINHARDT Didier | Sciences & Medicine | Legumes shape genetic structure of their rhizobial symbionts | Autumn 2018 |

Research Pool Supported projects 2018

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| SCHWALLER Beat | Sciences & Medicine | Zebrafish as a model to test the effect of autism-associated genes /Pvalb; Shank3, CNTNA2) and "environmentally-induced" autism (VPA) and to validate treatment strategies | Autumn 2018 |
| SURDEZ Muriel | Humanities | L'antibiorésistance comme problème social global. Comparer les stratégies nationales en médecine vétérinaire. | Spring 2018 |
| WEGMANN Daniel | Sciences & Medicine | The Genesis of Europa Slavica - an Ancient DNA Perspektive | Autumn 2018 |
