

## Ambizione: List of Recipients/Grantees

### Ambizione 2017 (Jan): 10<sup>th</sup> Call (89 grants)

| Name       | First Name | Host Institution       | Discipline                                  | Project Title  |
|------------|------------|------------------------|---|--|
| Agoritsas  | Elisabeth  | EPF Lausanne           | Theoretical Physics                         | Field-theoretical approaches for the plasticity in sheared amorphous materials   |
| Aubert     | Alice H.   | EAWAG Dübendorf        | Other disciplines of Environmental Sciences | Environmental Decision Analysis with Games – Edanaga   |
| Bengoechea | Paloma     | ETH Zürich             | Mathematics                                 | Modular Forms and Diophantine Approximation  |
| Blanchoud  | Simon      | Université de Fribourg | Embryology, Developmental Biology           | Whole-body regeneration in <i>Botrylloides leachi</i>  |
| Bloch      | Elias      | Université de Lausanne | Geochemistry                                | Diffusion kinetics of U, Th, Pb, Hf and REEs in baddeleyite, and development of local electrode atom probe tomography as a means to analyze experimentally induced diffusion profiles in crystalline materials |
| Bower      | Daniel     | Universität Bern       | Astronomy, Astrophysics and Space Sciences  | The formation and interior dynamics of super-Earths  |
| Burla      | Maurizio   | ETH Zürich             | Microelectronics. Optoelectronics           | Millimeter-wave on-chip wireless-optical transceivers for 5G wireless communications   |
| Cametti    | Georgia    | Universität Bern       | Mineralogy                                  | Insight into sorption mechanism of natural zeolites: Investigation of the bulk structural and surface-modifications after heavy-metal treatment in aqueous solutions   |
| Caprettini | Bruno      | Universität Zürich     | Economics                                   | Structural Change: Lessons from the Present and from the Past  |
| Colombi    | Andrea     | ETH Zürich             | Mechanical Engineering                      | Structured materials for multiscale wave control   |
| Comte      | Denis      | Université de Lausanne | Immunology, Immunopathology                 | Restoration of IL-2 response and cytotoxic capacity of CD8+ T cell and NK cell from systemic lupus erythematosus patients  |

| Name       | First Name      | Host Institution                | Discipline                                  | Project Title  |
|------------|-----------------|---------------------------------|---|--|
| Critten    | Rory            | Université de Fribourg          | German and English languages and literature | Practising French in Fifteenth-Century England   |
| De Cian    | Michel          | EPF Lausanne                    | Particle Physics                            | Probing right-handed currents in quark flavour physics   |
| Delvendahl | Igor            | Universität Zürich              | Neurophysiology and Brain Research          | Presynaptic mechanisms mediating robustness and plasticity of synaptic function  |
| Dolveck    | Franz           | Université de Genève            | Ancient history and Classical studies       | Ausone, aux sources médiévales d'un problème antique (IVe-XVIIe siècle)  |
| Dorn       | Caroline        | Universität Zürich              | Astronomy, Astrophysics and Space Sciences  | Planetary Diversity  |
| Eickhoff   | Carsten         | ETH Zürich                      | Information Technology                      | Representation Learning for Clinical Artificial Intelligence   |
| Fabre      | Pierre          | Université de Genève            | Genetics                                    | Chromatin Organization and Transcriptional Regulation of Axon Guidance Decision  |
| Federau    | Christian       | Universität Zürich / ETH Zürich | Biomedical Engineering                      | Measuring Perfusion with Intra-Voxel Incoherent Motion   |
| Filippone  | Michele         | Université de Genève            | Condensed Matter Physics                    | Dynamics of strongly correlated quantum systems and devices  |
| Foth       | Christian       | Université de Fribourg          | Palaeontology                               | The phylogenetic relationship of theropod dinosaurs and the role of heterochrony in the deep origin of birds                         |
| Frey       | Renato          | Universität Basel               | Psychology                                  | Mapping the ecology of risk taking: A test of the generalizability of the construct risk preference to real-life behaviors           |
| Gavazov    | Konstantin      | WSL Birmensdorf                 | Other disciplines of Environmental Sciences | Can forest expansion in mountain ecosystems generate a positive feedback to climate change: the unseen role of symbiotic mycorrhizae |
| Gehring    | Kai             | Universität Zürich              | Economics                                   | Threats to the stability of nations? Resources, identities and conflict  |
| Gibertini  | Marco           | Université de Genève            | Condensed Matter Physics                    | Topology and magnetism in novel 2D materials and interfaces  |
| Gorji      | Mohammadhossein | EPF Lausanne                    | Fluid Dynamics                              | General-Purpose Low-Variance Continuous Stochastic Processes for Gases and Plasmas   |
| Graham     | Alexander       | ETH Zürich                      | Inorganic Chemistry                         | Toward High-Throughput Quantitative Analysis of Nanoparticle Pollution in Environmental Samples                                      |

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|-------------|---------------|------------------------|---|---|
| Grossiord   | Charlotte     | WSL Birmensdorf        | Ecology   | Forest under Stress: Understanding how Species interact and adjust to Climate Change  |
| Gullans     | Michael       | ETH Zürich             | Theoretical Physics                             | Strongly Correlated Quantum Optics - SCQO   |
| Hallama     | Peter         | Universität Bern       | General history (without pre-and early history) | Sozialistische Vaterschaft. Zukunftsvorstellungen und familiärer Alltag in Ostmitteleuropa  |
| Hediger     | Karin         | Universität Basel      | Psychology                                      | Psychophysiological effects of animal-assisted interventions in patients with brain injury  |
| Henny       | Sundar        | Universität Bern       | General history (without pre-and early history) | Navel of the World: Cross-Cultural Encounters at the Church of the Holy Sepulchre, 1400–1600  |
| Hofer       | Matthias      | Universität Zürich     | Communication sciences                          | Older adults' media use and well-being: Media use as a resource in the process of healthy aging   |
| Jeon        | Jaeyoung      | Université de Lausanne | Religious studies, Theology                     | A Bible Born out of Conflicts: a Literary and Socio-historical Study of the Aaronide/Zadokite and Levite Scribal Debates in the Persian Period                            |
| Jiskra      | Martin        | Universität Basel      | Other disciplines of Environmental Sciences     | Seasonal impact of vegetation on atmospheric elemental mercury dry deposition   |
| Junge       | Till          | EPF Lausanne           | Other disciplines of Engineering Sciences       | Open-Source Platform for Efficient FFT-based Continuum Mesoscale Modelling  |
| Kedziorek   | Magdalena     | EPF Lausanne           | Mathematics                                     | Exploring Equivariant Homotopy Theory   |
| Kilcher     | Samuel        | ETH Zürich             | Experimental Microbiology                       | Synthetic Bacteriophage Platform for Diagnostics and Control of Drug-Resistant Pathogenic Bacteria  |
| Kling       | Sabine        | ETH Zürich             | Other disciplines of Engineering Sciences       | Measuring local corneal biomechanical properties by multi-frequency vibrography: Moving towards an earlier diagnosis of pathologies and personalized computer simulations |
| Kumpulainen | Tatu          | Université de Genève   | Physical Chemistry                              | Excited-State Proton Transfer in Solutions and at Biologically Relevant Interfaces  |
| Kurpisz     | Adam Andrzej  | ETH Zürich             | Mathematics                                     | Theory and Applications of Linear and Semidefinite Relaxations for Combinatorial Optimization Problems  |
| Labidi-Galy | Sana Intidhar | Université de Genève   | Experimental Cancer Research                    | Impact of oophorectomy on breast cancers in BRCA1 mutation carriers   |

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|---------------------|---------------|------------------------|--|--|
| Langlet             | Fanny         | Université de Lausanne | Neurophysiology and Brain Research             | Tanycyte glucose-sensing: dissection of specific subpopulation mechanisms and their implication in the control of energy metabolism    |
| Laufkötter          | Charlotte     | Universität Bern       | Other disciplines of Environmental Sciences    | Global interactions between microplastics and marine ecosystems  |
| Lebreton            | Maël          | Université de Genève   | Neurophysiology and Brain Research             | A neuro-computational investigation of value precision   |
| Lehner              | Flavio        | ETH Zürich             | Climatology, Atmospherical Chemistry, Aeronomy | Constraining dynamic and thermodynamic drivers of mid-term regional climate change projections for Northern mid-latitudes              |
| Li                  | Jin           | Universität Bern       | Cardiovascular Research                        | Autoimmune Channelopathies of the Heart  |
| Lodha               | Yash          | EPF Lausanne           | Mathematics                                    | Amenability, geometric group theory and low dimensional dynamics   |
| Lorenzini           | Jasmine Choko | Université de Genève   | Political science                              | Political Consumerism in Switzerland: Linking Food Consumption, Conceptions of Citizenship, and Political Engagements                  |
| Marchioro           | Arianna       | EPF Lausanne           | Physical Chemistry                             | Understanding Photoinduced Processes at Semiconductor/Aqueous Interfaces by Surface-Specific Spectroscopic Techniques                  |
| Marthot-Santaniello | Isabelle      | Universität Basel      | Ancient history and Classical studies          | Reuniting fragments, identifying scribes and characterizing scripts: the Digital paleography of Greek and Coptic papyri.               |
| Matusz              | Pawel         | HES-SO Sierre          | Applied psychology                             | Understanding the role of attention in visual rehabilitation: Amblyopia as a model   |
| Mauger              | Oriane        | Universität Basel      | Molecular Biology                              | Exploration of novel pathways for rapid gene regulation during neuronal plasticity   |
| Momotenko           | Dmitry        | ETH Zürich             | Physical Chemistry                             | Single Entities at High Magnification: Mapping, Measuring and Manipulating Nanoparticles   |
| Mostowlansky        | Till          | IHEID Genève           | Other languages and literature                 | Genealogies of Development: Shia Muslim Giving Across Asia   |
| Müller-Suleymanova  | Dilyara       | ZHAW Zürich            | Ethnology                                      | Trasnationalisation of conflicts: youth from ex-Yugoslav and Turkish diasporas in Switzerland and their relation to homeland conflicts |
| Murer               | Cristina      | Universität Bern       | Archaeology                                    | Transformation von Stadt, Staat und Grab: spätantike Grabplünderungen und Wiederverwendung von Grabplastik                             |

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|--------------------------|--------------|-------------------------|---|--|
| Nogly                    | Przemyslaw   | ETH Zürich              | Biophysics                                      | A three-dimensional movie of the structural changes in a membrane chloride pump revealed by X-ray Free Electron Laser pulses.  |
| Olias                    | Philipp      | Universität Bern        | Cellular Biology, Cytology                      | Theileria effectors transforming host cells into cancer-like cells   |
| Paillard                 | Elodie       | Universität Basel       | Ancient history and Classical studies           | Le Théâtre grec en Italie durant l'époque républicaine   |
| Pfister                  | Eugen        | HK Bern                 | General history (without pre-and early history) | Horror – Game – Politics. Die visuelle Rhetorik politischer Mythen in digitalen Horrorspielen  |
| Pflaum                   | Sonja        | Universität Basel       | Legal sciences                                  | Wiedergutmachung – eine rechtsvergleichende und empirische Untersuchung zu Art. 53 StGB  |
| Potarca                  | Gina Felicia | Université de Genève    | Sociology                                       | How Does the Internet Change Modern Romance?   |
| Rademaker                | Louk         | Université de Genève    | Condensed Matter Physics                        | Sluggish quantum matter: slow dynamics in many-body localized and glassy systems   |
| Ribeiro de Resende Alves | Marcelo      | Université de Neuchâtel | Mathematics                                     | Entropies of Reeb flows and its relations to symplectic topology and Hamiltonian dynamics  |
| Riemer                   | Stefanie     | Universität Bern        | Ethology  | Reward sensitivity in dogs – risk factor for addictive behaviour and key to trainability   |
| Rösli                    | Lukas        | Universität Zürich      | Other languages and literature                  | Gedächtniskultur im Paratext – Textträger altnordischer Prosahandschriften   |
| Rottmann                 | Michael      | FHNW Basel              | Visual arts and Art history                     | Automatisierte Innovationen. Maschinenkünste des 20. und 21. Jahrhunderts im Spannungsdreieck von Subjekt, Medium und Prozess und ihre Beiträge zu Kreativitätsdiskursen |
| Ruiz de Elvira Carrascal | Jacobo       | Universität Bern        | Particle Physics                                | Dispersive techniques for light meson interactions and spectroscopy  |
| Rybkin                   | Vladimir     | Universität Zürich      | Physical Chemistry                              | Condensed-Phase Quantum Chemistry via Embedding Theory   |
| Saha                     | Arunabha     | Université de Genève    | Theoretical Physics                             | The Large D Black Hole Membrane Paradigm   |
| Salvi                    | Nicola       | ETH Zürich              | Physical Chemistry                              | Protein dynamics and disorder in the activation of DNA transcription   |
| Schild                   | Axel         | ETH Zürich              | Physical Chemistry                              | Exact Factorization Approach to the Dynamics of Molecules in Strong Laser Fields   |

| Name           | First Name   | Host Institution       | Discipline                                      | Project Title   |
|----------------|--------------|------------------------|---|---|
| Schneider      | Maude        | Université de Genève   | Psychology                                      | Towards an embodied and ecological understanding of social impairments in neurodevelopmental disorders                                  |
| Schwiedrzik    | Johann Jakob | EMPA Dübendorf         | Material Sciences                               | Nanoscale deformation mechanisms and yield prediction of lamellar bone  |
| Siclari        | Francesca    | Université de Lausanne | Neurology, Psychiatry                           | Is anybody there? A systematic assessment of consciousness and environmental disconnection in sleepwalkers                              |
| Silva Coutinho | Rafael       | Universität Zürich     | Particle Physics                                | Flavour anomalies and matter-antimatter asymmetry in b-baryon decays  |
| Simmler        | Linda        | Université de Genève   | Neurophysiology and Brain Research              | Mechanism-Based Reversal of Pathological Synaptic Plasticity in Obsessive-Compulsive Disorder as Strategy for Pharmacological Treatment |
| Šolomek        | Tomáš        | Universität Basel      | Organic Chemistry                               | Three-Dimensional Molecular Electron Acceptors for Efficient Electron-Transporting Materials  |
| Stoek          | Christian    | ETH Zürich             | Other disciplines of Engineering Sciences       | MR guided biomechanical modelling of the heart – a novel tool to predict remodelling in heart failure                                   |
| Szulagyi       | Judit        | Universität Zürich     | Astronomy, Astrophysics and Space Sciences      | Catching Planets in Formation: The Role of Circumplanetary Disks  |
| Tarlazzi       | Caterina     | Université de Genève   | Philosophy                                      | Naturae. Natural Kinds in the Teaching of Peter Abelard and His Rivals, c. 1090-1160  |
| Traber         | Denise       | Universität Luzern     | Political science                               | The divided people: polarization of political attitudes in Europe   |
| Uecker         | Hildegard    | ETH Zürich             | Ecology   | The role of plasmids in bacterial adaptation  |
| Vagni          | Giacomo      | Université de Lausanne | Romance languages and literature                | Lirici del Cinquecento da Crescimbeni a Croce. Il petrarchismo come mito fondativo della modernità letteraria italiana                  |
| Valentini      | Martina      | Université de Genève   | Experimental Microbiology                       | RNA-binding proteins as multifaceted regulators of Pseudomonas aeruginosa lifestyles  |
| von Rohr       | Fabian       | Universität Zürich     | Inorganic Chemistry                             | Chemistry and Physics of Nitride Based Materials  |
| Zaugg          | Franziska    | Universität Bern       | General history (without pre-and early history) | Eine „longue durée“ der Gewalt? – Kriegsversehrte Gesellschaften in Südosteuropa  |
| Zerbi          | Valerio      | ETH Zürich             | Neurophysiology and Brain Research              | Pharmacogenetic fMRI in brain circuits underlying social motivation and repetitive behavior   |

**Ambizione, Ambizione-PROSPER/SCORE 2016: 9<sup>th</sup> Call (71 grants)**

| Name        | First Name | Host Institution       | Discipline                                      | Project Title   |
|-------------|------------|------------------------|---|---|
| Armas       | Jacome     | Universität Bern       | Theoretical Physics                             | Effective theories for black holes, soap bubbles and biophysical membranes  |
| Asmussen    | Tina       | ETH Zürich             | General history (without pre-and early history) | Hort – Laboratorium – Kunstammer: Eine Materialgeschichte des Bergbaus in der Frühen Neuzeit, 1470-1630   |
| Aterianus   | Alice      | Université de Lausanne | Ethnology                                       | Incorporer « l'africanité ». Circulations, créations et catégorisations identitaires dans la pratique des danses africaines (France, Suisse)          |
| Bastiaansen | Josefina   | Université de Lausanne | Cardiovascular Research                         | Translational hyperpolarized metabolic imaging of the heart for the quantification of metabolic changes in chemotherapy-induced cardiotoxicity        |
| Betz        | Matthias   | Universität Basel      | Clinical Endocrinology                          | Influence of glucocorticoids on human brown adipose tissue and cold induced thermogenesis   |
| Bibow       | Stefan     | Universität Basel      | Biophysics                                      | Structure, function and dynamics of the Ragulator multiprotein complex  |
| Blazek      | Jonathan   | EPF Lausanne           | Astronomy, Astrophysics and Spatial Sciences    | Accurate Cosmology with Observations of Galaxies  |
| Bruand      | Emilie     | Universität Bern       | Geochemistry                                    | The evolving continental crust: contributions from the accessory mineral archive  |
| Capogrosso  | Marco      | Université de Fribourg | Other Disciplines of Engineering Sciences       | Design of epidural implants and electrical stimulation protocols for the recovery of ARM control after spinal cord injury. (D-ARM)                    |
| Collet      | Tinh-Hai   | Université de Lausanne | Clinical Endocrinology                          | The metabolic effects and mechanisms of time restricted feeding in individuals with metabolic syndrome  |
| Croizier    | Sophie     | Université de Lausanne | Neurophysiology and Brain Research              | Role of guidance proteins in the development of afferent inputs to hypothalamic neurons involved in energy homeostasis: influence of maternal obesity |
| De Cosa     | Annapaola  | Universität Zürich     | Particle Physics                                | Search for Dark Matter particles in semi-visible jets at the Large Hadron Collider  |
| Diaconescu  | Andreea    | Universität Basel      | Neurophysiology and Brain Research              | Neurocomputational Modelling of Delusions and its Clinical Utility for Psychosis  |

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|-------------------------|------------|-------------------------|------------------------------------|--|
| Diviani                 | Nicola     | Universität Luzern      | Communication Sciences             | New insights into the concept of critical health literacy: Development and validation of a measure of health information appraisal skills. |
| Filipowicz Sinnreich    | Magdalena  | Universität Basel       | Immunology, Immunopathology        | Role of MAIT cells in liver diseases and liver fibrogenesis  |
| Franke                  | Felix      | ETH Zürich              | Neurophysiology and Brain Research | Position Dependence of Retinal Computation   |
| Furrer                  | Fabian     | ETH Zürich              | Theoretical Physics                | Theoretical Foundations of Practical High-Security and Long-Distance Continuous-Variable Quantum Key Distribution                          |
| Garzia                  | Diego      | Universität Luzern      | Political Science                  | Personalization of Politics between Television and the Internet  |
| Genschow                | Oliver     | Universität Basel       | Psychology                         | The role of anticipative processes in social behavior  |
| Gomez de Agüero Tamargo | Mercedes   | Universität Bern        | Immunology, Immunopathology        | Role of maternal microbiota and aryl hydrocarbon receptor signalling in establishing neonatal skin homeostasis                             |
| Groner                  | Anna       | ETH Zürich              | Experimental Cancer Research       | Dissecting the role of the epigenetic reader function of TRIM24 in driving endocrine therapy-resistant prostate cancer                     |
| Grosser                 | Tobias     | ETH Zürich              | Information Sciences               | Automatized compilation of sequential software to a diverse set of hardware accelerators   |
| Grosz                   | Mirina     | Universität Basel       | Legal Sciences                     | Staatliche Aufsicht über Private (Arbeitstitel)  |
| Hartmann                | Matthias   | Universität Bern        | Psychology                         | Exploring the numerical mind by eye-tracking: Brain, cognition and action  |
| Isogai                  | Shin       | Universität Basel       | Structural Research                | Elucidating allosteric signal transmission in the beta1-adrenergic receptor  |
| Jacquin                 | Jérôme     | Université de Neuchâtel | Romance Languages and Literature   | E-STAMP. Le positionnement épistémique au prisme de la multimodalité   |
| Jayaraman               | Rajeswari  | EPF Lausanne            | Condensed Matter Physics           | Real time magnon dynamics for next generation magnonic devices   |
| Johnson                 | Daniel     | EPF Lausanne            | Particle Physics                   | A New Virtual Laboratory for Exotic Particle Searches  |
| Kang                    | Joohyun    | Universität Zürich      | Molecular Biology                  | Establishing a system for the identification of Plant ABC transporter substrates and mechanisms  |
| Katayev                 | Dmitry     | ETH Zürich              | Organic Chemistry                  | Development of Novel Iron-Catalyzed Oxidative Transformations of Inert C(sp <sup>3</sup> )-H Bonds   |



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|-------------|-----------------|------------------------|--|---|
| Kehr        | Janina          | Universität Bern       | Ethnology                                    | Austerity Medicine. Precarious Healthcare in Contemporary Spain   |
| Khan        | Adil            | Universität Basel      | Neurophysiology and Brain Research           | Circuit mechanisms of cognitive control and their deficiencies in mouse models of schizophrenia   |
| King        | Georgina        | Universität Bern       | Geochronology                                | Constraining the role of erosion in feedbacks between tectonics and climate: Quaternary evolution of the Japanese Alps  |
| Koller      | Ariane          | Universität Bern       | Visual Arts and Art History                  | Stoffe der Trauer - Stoffe der Macht. Objekte der Repräsentation in der höfischen Funeralkultur der Frühen Neuzeit  |
| Kühne       | Lars            | Universität Basel      | Mathematics                                  | Diophantine and Arithmetic Geometry   |
| Kundu       | Dipan           | ETH Zürich             | Material Sciences                            | Design and Development of Novel Solid Electrolytes for High Energy Batteries  |
| Langkau     | Julia           | Université de Fribourg | Philosophy                                   | Learning from Literary Narratives   |
| Lardo       | Carmela         | EPF Lausanne           | Astronomy, Astrophysics and Spatial Sciences | Globular clusters or dwarf galaxy relics : the mystery of multiple populations  |
| Lopez Mejia | Isabel Cristina | Université de Lausanne | Molecular Biology                            | Role of the SR protein SRSF1 in the integration of gene expression in adipose tissue during metabolic syndrome  |
| Malvoisin   | Benjamin        | Université de Lausanne | Geology                                      | Mineralogical processes and rate of serpentinization at mid-ocean ridges - Experimental and numerical modelling of the couplings between reaction, deformation and fluid flow |
| Mégevand    | Pierre          | Université de Genève   | Neurophysiology and Brain Research           | The neuronal mechanisms underlying the perception of auditory and visual speech   |
| Milekovic   | Tomislav        | Université de Genève   | Other Disciplines of Engineering Sciences    | Error-adaptive decoding algorithms for stable and independent brain-computer interfaces   |
| Mitrano     | Denise          | EAWAG Dübendorf        | Other Disciplines of Environmental Sciences  | The path of microplastics to the environment: fate and transport in waste water treatment systems   |
| Montorsi    | Francesco       | Universität Zürich     | Romance languages and literature             | Écrire les Anciens. Enquête littéraire et historique sur les représentations du passé dans la France médiévale (1150-1350).   |
| Natterer    | Fabian Donat    | EPF Lausanne           | Condensed Matter Physics                     | Single atom and molecule radio wave absorption spectroscopy   |

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|---------------|-----------------|------------------------|--|--|
| Navas Guzmán  | Francisco Jesús | MeteoSwiss             | Climatology,<br>Atmospherical Chemistry,<br>Aeronomy | Study of aerosol hygroscopic effect on optical and microphysical properties by means of remote sensing techniques (AEROHYGROPRO)                     |
| Nicoli        | Miriam          | Universität Bern       | Swiss History  | Traces de vie vécue. Parcours d'hommes et de femmes au prisme des écrits du for privé (Tessin et Grisons – fin XVIIe - première moitié XIXe siècles) |
| Nyström       | Gustav          | ETH Zürich             | Material Sciences                                    | Nanofiber Aerogels – from a Fundamental Understanding of Structure towards Transparent Flexible Insulation and Functional Hybrids                    |
| Payne         | Annick          | Universität Bern       | Ancient History and<br>Classical Studies             | A History of Early Alphabetic Writing in Anatolia  |
| Penner        | Orion           | EPF Lausanne           | Economics  | Untangling Researcher Mobility, Productivity, and Knowledge Fit  |
| Petrow        | Ian             | ETH Zürich             | Mathematics  | Arithmetic Statistics and Trace Formulas   |
| Piscuoglio    | Salvatore       | Universität Basel      | Experimental Cancer<br>Research                      | The landscape of long non-coding RNAs in triple negative breast cancers  |
| Pistone       | Mattia          | Université de Lausanne | Geology  | Petrophysics of the Melt Connectivity Transition: Petrological, Rheological, and Seismic Characterisation of the Continental Moho                    |
| Puig Navarro  | Albert          | Universität Zürich     | Particle Physics                                     | Probing the Standard Model of particle physics with rare beauty decays   |
| Ramsey        | Kathryn         | Universität Bern       | Paediatrics  | Impact of Early Lung Physiology, Viral Infections and Microbiome on the Development and Progression of Lung Disease in Children with Cystic Fibrosis |
| Sandamirskaya | Yulia           | Universität Zürich     | Information Sciences                                 | Embodied Long-Term Memory for Cognitive Neuromorphic Agents  |
| Schmid        | Evelyne         | Universität Basel      | Legal Sciences                                       | Die pflichtwidrig unterlassene Umsetzung von völker- und europarechtlichen Normsetzungsaufträgen im schweizerischen Recht                            |
| Schwab        | Fabienne        | Université de Fribourg | Environmental Research                               | Enhancing Legume Defenses: Exploring Bioinspired Nanomaterials to Support Plant Health   |
| Stanley       | Claire          | Agroscope Zürich       | Other Disciplines of<br>Engineering Sciences         | Microbiome-on-a-Chip: New frontiers in plant-microbiota research   |
| Sternai       | Pietro          | Université de Genève   | Geology  | Linking deep Earth and surface dynamics: the effects of erosion on magma productivity  |

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|----------|------------|------------------------|------------------------------------|---|
| Szöcsik  | Edina      | Universität Basel      | Political Science                  | Voter Turnout in Third-Wave Democracies   |
| Tackmann | Björn      | ETH Zürich             | Information Sciences               | Secure-by-Design Protocols for Secure Communication over the Internet                               |
| Tinti    | Irene      | Université de Genève   | Other languages and literature     | Plato in Ancient Armenian: Who Translated the Extant Dialogues, and When?                           |
| Trenholm | Stuart     | FMI Basel              | Neurophysiology and Brain Research | Brain rewiring after vision loss and rehabilitation   |
| Tritten  | Lucienne   | Universität Zürich     | Medical Microbiology               | Secretory microRNAs of nematode parasites: small molecules for great success?                       |
| Ulrich   | Yuko       | Université de Lausanne | Ecology                            | Group Composition and Disease Susceptibility in Ant Societies                                       |
| Valtorta | Daniele    | Universität Zürich     | Mathematics                        | Singularities of minimal surfaces   |
| Walker   | Mirella    | Universität Basel      | Psychology                         | Moral Character Matters. How Act, Actor, and Victim (Facial) Characteristics Impact Moral Judgments |
| Wilts    | Bodo       | Université de Fribourg | Condensed Matter Physics           | Smart Optical Materials Inspired by Nature  |
| Zoppe    | Justin     | Université de Fribourg | Organic Chemistry                  | Symmetric and Asymmetric Twisted Nanorods with End-Tethered Polymer Chains                          |
| Zurell   | Damaris    | WSL Birmensdorf        | Ecology                            | SCODA - Scaling from individual interactions to community dynamics in avian assemblages             |

**Ambizione, Ambizione-PROSPER/SCORE 2015: 8<sup>th</sup> Call (67 grants)**

| Name          | First Name | Host Institution       | Discipline                                   | Project Title  |
|---------------|------------|------------------------|--|--|
| Alistarh      | Dan        | ETH Zürich             | Information Sciences                         | Algorithms for a Computational Revolution  |
| Ayaz          | Asli       | Universität Zürich     | Neurophysiology and Brain Research           | Sensorimotor integration in head-restrained mice during exploratory locomotion   |
| Baldauf       | Tobias     | Université de Genève   | Astronomy, Astrophysics and Spatial Sciences | Understanding the History and Composition of the Universe using its Large Scale Structure                                      |
| Bassolino     | Michela    | EPF Lausanne           | Psychology                                   | Boosting embodiment bypassing the body: a new approach based on transcranial magnetic stimulation and virtual reality          |
| Böhne         | Astrid     | Universität Basel      | Zoology                                      | The role of sex determination in an adaptive radiation of cichlid fishes   |
| Bordoli       | Mattia     | ETH Zürich             | Molecular Biology                            | Investigating the biological function of the first secreted tyrosine kinase in liver regeneration                              |
| Born          | Sabine     | Université de Genève   | Psychology                                   | Space without motion - Judging object locations and distance in the absence of movement  |
| Braakman      | Floris     | Universität Basel      | Condensed Matter Physics                     | Ultrasensitive detection of quantum phenomena in nanowire hybrids  |
| Braschler     | Thomas     | Université de Genève   | Mechanical Engineering                       | In vivo perfused and stimulated scaffolds for neural cell therapy  |
| Bruno         | Flavio     | Université de Genève   | Condensed Matter Physics                     | Artificial heterostructures of strongly correlated oxides investigated by ARPES  |
| Cavelti-Weder | Claudia    | Universität Basel      | Endocrinology                                | Activation and metabolism status of macrophages in metabolic disease and potential impact of tyrosine kinase inhibitors (TKIs) |
| Collins       | Ben        | ETH Zürich             | Biochemistry                                 | The host-pathogen protein interactome of Mycobacterium tuberculosis  |
| Cougnon       | Fabien     | Université de Genève   | Organic Chemistry                            | Molecular knots - Self-assembly and functionalization of topologically complex molecules                                       |
| Couttenier    | Mathieu    | Université de Genève   | Economics                                    | Income Shocks and the Diffusion of Conflicts: Empirical Evidence and Policy Implications                                       |
| Dan-Glauser   | Elise      | Université de Lausanne | Psychology                                   | Affective consequences of emotion regulation relying on situation selection  |
| Engelke       | Sebastian  | EPF Lausanne           | Mathematics                                  | Risk and Complex Events: from Probability to Applications  |

| Name      | First Name | Host Institution       | Discipline                                  | Project Title   |
|-----------|------------|------------------------|---|---|
| Facini    | Laura      | Université de Genève   | Romance languages and literature            | "Da l'uno a l'altro stilo". Prosody, rhythm and syntax of lyric poetry before Dante.                                      |
| Fässler   | Katrin     | Université de Fribourg | Mathematics                                 | Intrinsic rectifiability and mapping theory on the Heisenberg group   |
| Foresti   | Loris      | MeteoSwiss             | Meteorology                                 | Precipitation attractor from radar and satellite data archives and implications for seamless very short-term forecasting  |
| Garçon    | Marion     | ETH Zürich             | Geochemistry                                | Using Archean sedimentary rocks to understand how the first continents were formed  |
| Gaume     | Johan      | EPF Lausanne           | Other disciplines of Environmental Sciences | Multiscale analysis and modeling of slab avalanche release processes  |
| Hagmann   | Jonas      | ETH Zürich             | Political science                           | Securing the city: The global politics and practices of urban protection  |
| Hollis    | Brian      | EPF Lausanne           | Genetics                                    | The challenges of a shared genome: an evolutionary genetic approach to understanding sexually antagonistic selection      |
| Huber     | Marcus     | Université de Genève   | Theoretical Physics                         | Quantum Information in Thermodynamics   |
| Imperiali | Christophe | Universität Bern       | Romance languages and literature            | Measure and overmeasure. The seizure of duration in the poetic forms, compared to the musical ones (1820-1920)            |
| Jandus    | Camilla    | Université de Lausanne | Experimental Cancer Research                | Human innate lymphoid cells (ILCs): from their understanding at single cell level to defining their role in human cancer  |
| Koren     | Elad       | IBM Research GmbH      | Material Sciences                           | Accurate manipulation and control for studying 2D layered materials stacks  |
| Krebs     | Arnaud     | FMI Basel              | Molecular Biology                           | Single molecule characterization of transcription factor binding at mouse cis-regulatory regions.                         |
| Lamoth    | Frédéric   | Université de Lausanne | Medical Microbiology                        | Modeling the Hsp90-Hsp70 Network of Antifungal Resistance in <i>Aspergillus fumigatus</i>                                 |
| Leuthold  | Julien     | ETH Zürich             | Geochemistry                                | Lower crust gabbro partial melting in oceanic spreading ridges and its effect on percolating reactive mantle-derived melt |
| Manzotti  | Paola      | Université de Lausanne | Geochronology                               | Monazite behaviour in polycyclic rocks: a tool for better constraining the thermo-tectonic evolution of the Alpine belt   |
| Martin    | Lucie      | Université de Genève   | Archaeology                                 | Life in the mountains. Prehistoric People-Plant Interactions in the Alps  |

| Name        | First Name       | Host Institution                   | Discipline                                      | Project Title  |
|-------------|------------------|------------------------------------|---|--|
| Massa       | Francesco        | Université de Genève               | Ancient history and Classical studies           | Des «mystères» grecs et romains aux «mystères» chrétiens ? Un nouveau regard sur les contacts religieux du monde impérial romain   |
| Matasci     | Damiano          | Université de Lausanne             | General history (without pre-and early history) | From Regulation to "Development". Modernization and Educational Policies in the Global Age (1929-1961)   |
| Mensah      | Amewu Antoinette | ETH Zürich                         | Climatology. Atmospheric Chemistry, Aeronomy    | Soot Particle Ageing Cloud Effects - SPACE   |
| Meyer       | Sara Christina   | Universität Basel                  | Experimental Cancer Research                    | Mechanisms and targeting of oncogenic MAPK signaling in myeloid malignancies   |
| Meyer       | Matthias         | Universität Bern                   | Cardiovascular Research                         | Role of G Protein-coupled Estrogen Receptor for Vascular Oxidative Stress and Insulin Resistance   |
| Mikaberidze | Alexey           | ETH Zürich                         | Ecology   | Epidemiology of major wheat diseases: using eco-evolutionary models to learn from epidemic and genomic data  |
| Müller      | Sean             | Universität Bern                   | Political Science                               | When Regions Decide: The politics of shared rule in Switzerland, Germany, the US and Canada  |
| Natale      | Simone           | Università della Svizzera italiana | Communication sciences                          | Mind Reading Computers: A Historical Approach to the Imaginary of Digital Media  |
| Natalucci   | Giancarlo        | Universität Zürich                 | Paediatrics                                     | Impact of intrauterine growth restriction on brain development and consequences for later neurodevelopmental outcome: a prospective cohort study.  |
| Osto        | Elena            | ETH Zürich                         | Pathophysiology                                 | The communication between the cardiovascular system, the gut and the adipose tissue: from molecular mechanisms to targeted therapeutic approaches against cardiovascular disease in diabetes and obesity |
| Personnic   | Nicolas          | Universität Zürich                 | Experimental Microbiology                       | Phenotypic Heterogeneity of Legionella pneumophila in Phagocytes   |
| Pillepich   | Annalisa         | EPF Lausanne                       | Astronomy, Astrophysics and Spatial Sciences    | Multi-scale Structure Formation for Cosmological Insight: from Galactic Archaeology to Galaxy Clusters   |
| Prins       | Ferry            | ETH Zürich                         | Physical Chemistry                              | Multiresonant Bull's Eyes for Plasmonic Surface Enhancement  |
| Rey         | Jeanne           | Pädagogische Hochschule Fribourg   | Ethnology                                       | From the Alps to the world: Transnationalisation of Swiss private education  |

| Name             | First Name | Host Institution        | Discipline                                   | Project Title  |
|------------------|------------|-------------------------|--|--|
| Rüegg            | Janine     | EPF Lausanne            | Hydrology, Limnology, Glaciology             | Predicting Patterns in Stream Foodweb Dynamics from Resource Subsidy and Environmental Fluctuations                                  |
| Saffirio         | Chiara     | Universität Zürich      | Mathematics                                  | Derivation of the Boltzmann equation from classical and quantum dynamics   |
| Santello         | Mirko      | Universität Zürich      | Neurophysiology and Brain Research           | Cortical mechanisms controlling migraine pain  |
| Santiago Cuellar | Julia      | Université de Lausanne  | Molecular Biology                            | Molecular mechanisms of receptor kinases in floral shedding and cell wall signaling  |
| Scarvaglieri     | Claudio    | Université de Neuchâtel | German and English languages and literature  | Urban Multilingualism in Switzerland: Communicative practices and language ideologies  |
| Schikorra        | Armin      | ETH Zürich              | Mathematics                                  | Analysis and Geometry of nonlocal differential equations   |
| Schneider        | Aurel      | ETH Zürich              | Astronomy, Astrophysics and Spatial Sciences | Exploring the Dark Matter Sector with Astronomical Surveys   |
| Schwander        | Hanna      | Universität Zürich      | Political Science                            | Disentangle the modern gender vote gap – a refinement of women’s political alignment   |
| Shimobayashi     | Mitsugu    | Universität Basel       | Biochemistry                                 | Identification of an mTORC2-regulated adipokine that improves $\beta$ cell function in diabetes                                      |
| Stein            | Sokrates   | Universität Zürich      | Cardiovascular Research                      | Exploration of transcriptional corepressor networks in atherosclerosis   |
| Toll Riera       | Macarena   | Universität Zürich      | Genetics                                     | The evolution of innovations in cold-adapted bacteria  |
| Trefzer          | Claudia    | ETH Zürich              | Organic Chemistry                            | Trojan Horses for Targeted Drug Delivery into Mycobacteria   |
| Trück            | Johannes   | Universität Zürich      | Immunology, Immunopathology                  | Functional characterisation of the B cell compartment in children with antibody deficiency and following bone marrow transplantation |
| Ubrig            | Nicolas    | Université de Genève    | Condensed Matter Physics                     | Optoelectronics of transition metal dichalcogenides: Physics and devices   |
| Urwyler          | Olivier    | Universität Zürich      | Cellular Biology, Cytology                   | Mechanisms of developmental synaptogenesis and of adult synapse dynamics in the CNS  |
| Witz             | Guillaume  | Universität Basel       | Experimental Microbiology                    | Uncovering basic regulatory mechanisms of the E. coli cell cycle by high-throughput single-cell time-lapse microscopy                |

| Name        | First Name | Host Institution                | Discipline           | Project Title  |
|-------------|------------|---------------------------------|----------------------|--|
| Wyrzykowski | Mateusz    | EMPA Dübendorf und EPF Lausanne | Material Sciences    | Role of water redistribution in creep of concrete  |
| Yarema      | Maksym     | ETH Zürich                      | Inorganic Chemistry  | Colloidal nanocrystals of intermetallic compounds and alloys for phase-change memory applications        |
| Zhang       | Yang       | ETH Zürich                      | Particle Physics     | Multi-loop Scattering Amplitudes via Algebraic Geometry  |
| Zosso       | Dominique  | Universität Bern                | Information Sciences | Beltrami on Graphs: Image Segmentation and Data Clustering with Minimal Surfaces                         |
| Züst        | Tobias     | Universität Bern                | Ecology              | Community consequences of novel toxic plant defenses: convergent evolution of cardenolides and alkaloids |

#### Ambizione, Ambizione-PROSPER/SCORE 2014: 7<sup>th</sup> Call (60 grants)

| Name              | First Name | Host Institution        | Discipline                                      | Project Title   |
|-------------------|------------|-------------------------|---|---|
| Aiyangar          | Ameet      | EMPA Dübendorf          | Mechanical Engineering                          | Integrating Dynamic In Vivo Imaging And Computational Modelling: A New Paradigm To Study Lumbar Spine Biomechanics                          |
| Ariga             | Tomoko     | Universität Bern        | Particle Physics                                | Development of next generation emulsion particle detectors and readout devices  |
| Battegay          | Caspar     | Université de Lausanne  | German and English languages and literature     | A History of Possibility. Utopia and Diaspora in the German-Jewish Imagination  |
| Berth             | Christiane | Universität Bern        | General history (without pre-and early history) | Telecommunication, modernity and social change. A social and cultural history of the telephone in Mexico, 1930-1996                         |
| Bietti            | Lucas M.   | Université de Neuchâtel | Psychology                                      | The Embodied Communication of Memories: Interaction, Evolution and Learning in Social Contexts  |
| Bubenhofer        | Noah       | Universität Zürich      | German and English languages and literature     | Visual Linguistics: Fundamentals of Visualizing Language Data   |
| Casacuberta Arola | Nuria      | ETH Zürich              | Oceanography                                    | A new multitracer approach in Oceanography: combining U-236 with conventional anthropogenic radionuclides in the Arctic and Atlantic Oceans |



| Name          | First Name         | Host Institution        | Discipline                  | Project Title   |
|---------------|--------------------|-------------------------|-----------------------------|---|
| Castets       | Perrine            | Universität Basel       | Molecular Biology           | Importance of the mTORC1 signaling in the maintenance and the plasticity of neuromuscular junctions: involvement of the pathway in the control of autophagy and the regulation of class II histone deacetylases |
| Cazzoli       | Dario              | Universität Bern        | Neurology, Psychiatry       | Interactions between attentional networks and their influence on perception: a project in healthy subjects and hemispatial neglect patients   |
| Clair         | Carole             | Université de Lausanne  | Clinical Endocrinology      | Diabetes and Smoking Cessation: a Gender Oriented Intervention Trial  |
| Corpataux     | Jean-François      | Université de Fribourg  | Visual arts and Art history | Knots & Folds. Contribution to the Study of « Parerga » in Renaissance Art  |
| Crivellin     | Andreas            | PSI Villigen            | Particle Physics            | Flavour Physics beyond the Standard Model   |
| Dahl          | Christoph          | Université de Neuchâtel | Anthropology, Primatology   | A novel approach on animal cognition  |
| De Boever     | Eva                | Université de Fribourg  | Geology                     | QuantiCarb@Spring – processes and quantification of CaCO <sub>3</sub> fabric-specific layering at hot springs and its environmental implications  |
| Depeursinge   | Adrien             | EPF Lausanne            | Information Sciences        | Highly Adaptive Computational Models of Biomedical Tissue in Radiological Images: Digital Tissue Atlases and Correlation with Genomics (MAGE)   |
| Dimartino     | Alessia            | Université de Genève    | Archaeology                 | Image and word: Visual communication and verbal portraiture in Ancient Greek funerary monuments   |
| Egli          | Adrian             | Universität Basel       | Immunology, Immunopathology | Blockade of interferon- $\lambda$ of signalling – a novel class of adjuvants to improve vaccine-induced antibody responses  |
| Faenza        | Yuri               | EPF Lausanne            | Mathematics                 | Tight formulations of 0-1 problems  |
| Faivre-Carron | Delphine           | Universität Zürich      | Philosophy                  | Santa Maria Novella and the Commune of Florence (1293-1313/4). A Philosophical Investigation of the Political Writings by Florentine Dominicans Contemporary to Dante   |
| Fort          | Alexandre Matthieu | Université de Genève    | Genetics                    | Genomic regulation and function of nuclear non-coding RNAs transcribed from human enhancer regions  |
| Greiner       | Nicolas            | Universität Zürich      | Theoretical Physics         | Automated calculations of electroweak corrections at the LHC  |

| Name         | First Name | Host Institution   | Discipline                                   | Project Title  |
|--------------|------------|--------------------|--|--|
| Gründemann   | Jan        | FMI Basel          | Neurophysiology and Brain Research           | Mapping the neuronal code of fear  |
| Höfler       | Stefan     | Universität Zürich | German and English languages and literature  | The textual structure of articles of law - Text-linguistic models in the service of legislation  |
| Jacopin      | Gwénoélé   | EPF Lausanne       | Condensed Matter Physics                     | Ultrafast dynamics of wide band gap nanostructures for highly efficient LEDs   |
| Klopfstein   | Seraina    | Universität Bern   | Zoology                                      | Phylogeny, total-evidence dating, and the impact of parasitoid lifestyle on the diversification of pimpliforme parasitoid wasps (Hymenoptera, Ichneumonidae) |
| König        | Michael    | Universität Zürich | Economics                                    | The Coevolution of Economic Networks and Behavior: Theory, Empirics and Policy Implications  |
| Koss         | Michael    | ETH Zürich         | Astronomy, Astrophysics and Spatial Sciences | Uncovering Hidden Black Hole Growth  |
| Krattinger   | Simon      | Universität Zürich | Genetics                                     | Functional characterization of broad-spectrum disease resistance in cereals  |
| Kühn         | Jonas      | ETH Zürich         | Astronomy, Astrophysics and Spatial Sciences | Science-Plane Holographic Coherent Wavefront Sensor & Digital Adaptive Coronagraphy for Extremely-high-contrast Direct Imaging of Exoplanets                 |
| Lupi         | Matteo     | ETH Zürich         | Geology                                      | Earthquake-induced fault reactivation at oblique subduction zones: from cause to effect  |
| Lüpold       | Stefan     | Universität Zürich | Ecology                                      | Genetic variation in quality and sexual selection on condition-dependent traits  |
| Malaspinas   | Anna Sapfo | Universität Bern   | Genetics                                     | Characterizing migrations with modern and ancient genomic data: the limits of the Polynesian expansion   |
| Martin-Olmos | Cristina   | CSEM Neuchâtel     | Microelektronik, Optoelectronics             | Smart engineered substrates for high throughput mechanobiology   |
| Mehling      | Matthias   | Universität Basel  | Clinical Immunology and Immunopathology      | Microfluidics-based analysis of human T cell migration on a single cell level  |
| Meier        | Matthias   | ETH Zürich         | Geochemistry                                 | Traces of two recent cosmic events in terrestrial sediments  |

| Name                | First Name           | Host Institution       | Discipline   | Project Title  |
|---------------------|----------------------|------------------------|--|--|
| Mertens             | Joachim Carl Philipp | Universität Zürich     | Clinical Cancer Research                             | Sensitization of Activated Stromal Fibroblasts for Apoptosis – Mechanisms and Therapeutic Potential in Cancer and Fibrosis                     |
| Meuwly              | Nathalie             | Université de Fribourg | Psychology   | What contributes to healthy romantic relationships? An investigation of heterosexual, lesbian, and gay male couples                            |
| Mitri               | Sara                 | Université de Lausanne | Experimental Microbiology                            | The evolution of social interactions in microbial communities  |
| Monney              | Claude               | Universität Zürich     | Condensed Matter Physics                             | Time- and angle-resolved photoemission spectroscopy on correlated materials  |
| Montero de Espinosa | Lucas                | Université de Fribourg | Organic Chemistry                                    | Simplified supramolecular polymers: from fundamental studies to a new generation of reversible two-component resins                            |
| Neukom              | Raphael              | Universität Bern       | Climatology,<br>Atmospherical Chemistry,<br>Aeronomy | Detection of human and natural influences on the climate system: regional insights from the past Millennium                                    |
| Noti                | Mario                | Universität Bern       | Immunology,<br>Immunopathology                       | The Role of the Microbiota in Food-induced Allergic Disorders  |
| Parmigiani          | Andrea               | ETH Zürich             | Geophysics   | The fate of exsolved volatiles in shallow magma reservoirs: flow behavior and consequences on crystal mush reactivation and magma eruptability |
| Pascoli             | Vincent              | Université de Genève   | Neurophysiology and<br>Brain Research                | Synaptic basis of eating disorders   |
| Payne               | Joshua               | Universität Zürich     | Genetics   | The evolution and robustness of transcription factor binding sites   |
| Rothen              | Nicolas              | Universität Bern       | Psychology   | Natural Foundations of Enhanced Memory   |
| Roulin              | Anne                 | Universität Zürich     | Ecology  | Population genomics and local adaptation: genome wide analysis of transposable elements and natural population evolutionary trajectories       |
| Samson              | Andrea               | Université de Genève   | Psychology   | Emotion Dysregulation in Psychopathology: Pathway to an Innovative Neuroconnectivity-Informed Intervention                                     |
| Santamaria-Martínez | Albert               | Université de Fribourg | Experimental Cancer<br>Research                      | Cancer Stem Cells and metastasis: control of cell fate decisions through crosstalk with their lineage and the microenvironment                 |
| Schmid              | Petra                | Universität Bern       | Psychology   | Power effects on decision-making: The role of motivational and cognitive processes   |

| Name         | First Name     | Host Institution          | Discipline                 | Project Title  |
|--------------|----------------|---------------------------|----------------------------|--|
| Siegl        | Petr           | Universität Bern          | Mathematics                | Spectral analysis of non-self-adjoint operators with applications in mathematical physics  |
| Sladojevich  | Filippo        | ETH Zürich                | Organic Chemistry          | Halogen bonding catalysis  |
| Soleymani    | Mohammad       | Université de Genève      | Information Sciences       | Sensing Knowledge Emotions in Multimedia Discovery   |
| Stojanovic   | Nenad          | Universität Luzern        | Political Sciences         | Racist voters and minority candidates: a conceptual puzzle and an empirical challenge with a focus on the Swiss case                         |
| Van Heeswijk | Ruud           | Université de Lausanne    | Cardiovascular Research    | Molecular Imaging of Perfluorocarbons for the Quantitative Characterization of Atherosclerosis Progression                                   |
| Vergauwe     | Evie           | Université de Genève      | Psychology                 | Behavioral and neural basis of high-speed retrieval in working memory  |
| Vuille       | Joëlle         | Université de Neuchâtel   | Legal Sciences             | Forensic science as a contributor to miscarriages of justice in Western  |
| Wandeler     | Gilles Olivier | Universität Bern          | Internal Medicine          | HIV and viral hepatitis co-infection: informing management strategies through dedicated cohort studies in sub-Saharan Africa and Switzerland |
| Wohlfeld     | Krzysztof      | ETH Zürich / PSI Villigen | Condensed Matter Physics   | Unravelling Exotic Properties of Collective Excitations in Correlated Systems  |
| Woods        | Kerry          | Universität Bern          | Cellular Biology, Cytology | Manipulation of the host by Theileria: Using BioID to discover parasite-dependent protein interaction networks                               |

### Ambizione, Ambizione-PROSPER/SCORE 2013: 6<sup>th</sup> Call (60 grants)

| Name        | First Name | Host Institution       | Discipline                                      | Project Title  |
|-------------|------------|------------------------|---|--|
| Akrap       | Ana        | Université de Genève   | Condensed Matter Physics                        | Charge dynamics in topological insulators  |
| Altwicker   | Tilmann    | Universität Basel      | Legal Sciences                                  | Transnational Public Security Law  |
| Arrigo      | Nils       | Université de Lausanne | Botany  | Functional genomics of adaptive introgression: experimental transfer of zinc resistance between Arabidopsis halleri and A. lyrata. |
| Aybek Rusca | Selma      | Université de Genève   | Neurology, Psychiatry                           | The stress hypothesis in Conversion Disorder   |
| Bänziger    | Peter-Paul | Universität Basel      | General history (without pre-and early history) | The Industrious Subject. A History of Productive Selves, ca. 1890-1990   |

| Name             | First Name    | Host Institution       | Discipline                              | Project Title  |
|------------------|---------------|------------------------|---|--|
| Benetti          | Edmondo Maria | ETH Zürich             | Material Sciences                       | Polyoxazoline-Based Coatings On Polymeric Scaffolds Directing Tissue Regeneration                            |
| Berger           | Christoph     | Universität Basel      | Clinical Immunology and Immunopathology | Giant Cell Arteritis – towards a molecular understanding of pathogenesis                                     |
| Berlincourt      | Valéry        | Universität Basel      | Ancient History and Classical Studies   | Rewriting and self-reference in Claudian's political poems   |
| Blas Temino      | Diego         | Université de Genève   | Theoretical Physics                     | Understanding gravity at all scales: new tools for quantum gravity and cosmology                             |
| Brantut          | Jean-Philippe | ETH Zürich             | Other disciplines of Physics            | Mesosopic Physics with Ultracold Atoms   |
| Briefer          | Elodie        | ETH Zürich             | Zoology                                 | Vocal expression of emotions in mammals: encoding, decoding and human-animal perception                      |
| Burmann          | Björn         | Universität Basel      | Biophysics                              | Structure and Dynamics of the Escherichia Coli transcription termination factor Rhod                         |
| Comas-Vives      | Aleix         | ETH Zürich             | Inorganic Chemistry                     | Support Effects in Catalysis: The Case of Dry Reforming  |
| das Neves Duarte | João Miguel   | EPF Lausanne           | Neurophysiology and Brain Research      | Metabolic features of neurodegeneration and neuroprotection upon insulin resistance                          |
| Demirors         | Ahmet         | ETH Zürich             | Physical Chemistry                      | Bioinspired Composites by External Fields  |
| Domínguez Borràs | Judith        | Université de Genève   | Neurophysiology and Brain Research      | Neural pathways of emotional attention investigated with intracranial and single-neuron recordings in humans |
| Döring           | Leif          | ETH Zürich             | Mathematics                             | Lévy Processes Coming in from Infinity and Jump-Diffusions with Singular Coefficients                        |
| Eggel            | Alexander     | Universität Bern       | Immunology, Immunopathology             | Novel strategies to prevent allergic hypersensitivity reactions using disruptive IgE inhibitors              |
| Emery            | Vincent       | EPF Lausanne           | Mathematics                             | Volume of hyperbolic manifolds and K-theory of number fields   |
| Engel            | Philipp       | Université de Lausanne | Experimental Microbiology               | Functional characterization of microbial symbioses in the honey bee gut microbiota                           |
| Fabbri           | Emiliana      | PSI Villigen           | Physical Chemistry                      | Designing novel electrocatalysts for fuel cells and electrolyzers by tailoring perovskite surface properties |

| Name               | First Name                 | Host Institution                   | Discipline                                   | Project Title  |
|--------------------|----------------------------|------------------------------------|--|--|
| Fagiano            | Lorenzo Mario              | ETH Zürich                         | Other disciplines of Engineering Sciences    | Experimental Assessment of Airborne Wind Energy  |
| Felli              | Romain                     | Université de Genève               | Political Sciences                           | The political life of an idea: resilience to environmental change in international organisations   |
| Fernandez Gonzalez | Santiago                   | Università della Svizzera italiana | Medical Microbiology                         | Intravital imaging of polymicrobial respiratory diseases (IMPORED)   |
| Fink               | Julian                     | Universität Bern                   | Philosophy                                   | Epistemic Reasons and Rational Coherence: A New Answer to 'Why be rational?'   |
| Foletti            | Ivan                       | Université de Lausanne             | Visual arts and Art history                  | The Dead and Their Bodies as Places of "Ethno-Gatherings" and of contact: the Case of Ambrose, Gervasius and Protasius in the Early Middle Ages (397-950). Romans, Byzantines, Lombards and Carolingians in the Face of the Milanese Cult of Relics. |
| Fragos             | Tassos                     | Université de Genève               | Astronomy, Astrophysics and Spatial Sciences | The Origin of Stellar-Mass Black Hole Spin   |
| Galland            | Christophe                 | EPF Lausanne                       | Condensed Matter Physics                     | Heralded Single Phonon Generation and Detection in an Optomechanical Resonator   |
| Geiser             | Eveline                    | Université de Lausanne             | Psychology                                   | Mechanisms of global timing perception and their influence on perception and cognition   |
| Giger              | Nathalie                   | Universität Zürich                 | Political Sciences                           | The politics of family policy expansion. Electoral rewards, party politics and citizens' attitudes in comparative perspective  |
| Grams              | Christian Michael Warnfrid | ETH Zürich                         | Meteorology                                  | The mutual interaction of individual weather systems and weather regimes   |
| Hall               | Alexander                  | ETH Zürich                         | Experimental Microbiology                    | Ecology of Antibiotic Resistance: Effect of Environment on Bacterial Adaptation to Antibiotics   |
| Ionta              | Silvio                     | Université de Lausanne             | Psychology                                   | Validation of a Model of Sensorimotor Integration with Clinical Benefits   |
| Ishibashi          | Wakiko                     | ETH Zürich                         | Astronomy, Astrophysics and Spatial Sciences | The Role of Accreting Black Holes in Galaxy Evolution  |
| Juricek            | Michal                     | Universität Basel                  | Organic Chemistry                            | Quantum Information Processing Devices: Emergence of High-Spin Nanographenes   |

| Name       | First Name   | Host Institution       | Discipline                                  | Project Title   |
|------------|--------------|------------------------|---|---|
| Karlo      | Christoph    | Universität Zürich     | Clinical Cancer Research                    | Radiogenomics of Renal Cell Carcinoma   |
| Laskay     | Ünige        | EPF Lausanne           | Biochemistry                                | Cross-Generational Effects of Obesity and Anorexia. A Mass Spectrometry-Based Systems Biology Approach.   |
| Longchamp  | Jean-Nicolas | Universität Zürich     | Condensed Matter Physics                    | Coherent Diffraction Imaging of Graphene-Supported Single Biomolecules at Atomic Resolution   |
| Marchand   | Fabienne     | Université de Fribourg | Ancient History and Classical Studies       | Old and New Powers: Dynamics of Domination in a Changing World. Biotian International Relations from Philip II to the End of the Hellenistic Period |
| Monin      | Alexander    | EPF Lausanne           | Theoretical Physics                         | Spontaneous Conformal Symmetry Breaking and Hierarchy Problem   |
| Nigg       | Simon        | Universität Basel      | Theoretical Physics                         | Quantum information processing with superconducting qubits and molecular magnets  |
| Oloff      | Florence     | Universität Zürich     | German and English languages and literature | The epistemics of grammar: A comparative study of co-constructions in Czech, French, and German   |
| Pichon     | Swann        | Université de Genève   | Psychology                                  | Impact of prosocial and violent videogames on pain perception: Investigating short- and long-term emotional changes                                 |
| Rüegg      | Andreas      | ETH Zürich             | Theoretical Physics                         | Topological states in quantum condensed matter and advanced materials   |
| Saab       | Bechara      | Universität Zürich     | Neurophysiology and Brain Research          | Exploring in the Dark: A Possible Light for Major Depression  |
| Schärli    | Yolanda      | Universität Zürich     | Molecular Biology                           | Robustness and evolutionary parameter drift of stripe-forming gene regulatory networks  |
| Schöb      | Christian    | Universität Zürich     | Ecology                                     | Niche space construction and facilitation, and their evolutionary consequences  |
| Schwab     | Sandra       | Universität Zürich     | Romance languages and literature            | Prosody acquisition in a second language: the study of stress perception with behavioral and electrophysiological methods                           |
| Sforazzini | Giuseppe     | EPF Lausanne           | Organic Chemistry                           | Polymer Torsional Switches for Organic Photovoltaics  |
| Simoni     | Valerio      | IHEID Genève           | Ethnology                                   | The Transformation of Intimate and Economic Lives in Cuban Tourism and Migration  |
| Spycher    | Ben          | Universität Bern       | Cancer                                      | The spatial epidemiology of childhood cancer in Switzerland   |

| Name       | First Name | Host Institution       | Discipline                                      | Project Title   |
|------------|------------|------------------------|---|---|
| Steinberg  | Florian    | Universität Basel      | Cellular Biology, Cytology                      | Sorting nexin mediated endocytic recycling in signalling and cancer   |
| Stringhini | Silvia     | Université de Lausanne | Cardiovascular Research                         | Socioeconomic status and cardio-metabolic disease: an epidemiological perspective on the biology of social adversity        |
| Vadas      | Oscar      | Université de Genève   | Biochemistry                                    | How kinases define specificity in lipid signalling?   |
| Valla      | Pierre     | Université de Lausanne | Geology   | Tropical volcanic islands erosion and landscape evolution - Earth surface geochronology, morphometry and numerical modeling |
| Vidotto    | Aline      | Université de Genève   | Astronomy, Astrophysics and Spatial Sciences    | Evolution of the stellar wind impact on extrasolar planets  |
| Wansleben  | Leon       | Universität Luzern     | Sociology                                       | Processes of scientization in the Bank of England and the Swiss National Bank since 1960                                    |
| Wüst       | Samuel     | Universität Zürich     | Botany  | Genetics to Ecology   |
| Zaugg      | Roberto    | Université de Lausanne | General history (without pre-and early history) | Connected histories, narrated stories. The journal of a barber-surgeon between journeyman migration and slave trade         |
| Zufferey   | Sandrine   | Université de Fribourg | German and English languages and literature     | MULDIS - Discourse Connectives: From Multiple Languages to Multilingual Minds   |

#### **Ambizione, Ambizione-PROSPER/SCORE 2012: 5<sup>th</sup> Call (56 grants)**

| Name         | First Name | Host Institution     | Discipline                                  | Project Title   |
|--------------|------------|----------------------|---|---|
| Bachmann     | Ruxandra   | Universität Zürich   | Genetics                                    | Understanding genetic modifiers in ciliopathies using the zebrafish model   |
| Balbi        | Gabriele   | Université de Genève | Communication Sciences                      | Inventing European Wireless. A cultural history of wireless from point-to-point telegraphy to one-to-many broadcasting, 1903-1927 |
| Bevan Zlatar | Antoinina  | Universität Zürich   | German and English languages and literature | Making and Breaking Images in John Milton   |
| Bobeth       | Gundela    | Universität Zürich   | Musicology                                  | Das deutschsprachige Lied in Wien um 1800. Ein Beitrag zur Liedkultur zwischen Aufklärung und Romantik                            |
| Brilli       | Elisa      | Universität Zürich   | Romance languages and literature            | L'homme, la cité terrestre et la théologie de l'histoire. Saint Augustin chez Dante   |



| Name                | First Name    | Host Institution       | Discipline                        | Project Title  |
|---------------------|---------------|------------------------|-----------------------------------|--|
| Burnier             | Yannis        | EPF Lausanne           | Theoretical Physics               | Plasma de particules élémentaires à haute température dans des collisions d'ions lourds  |
| Burri               | Andrea        | Universität Zürich     | Psychology                        | Somatoform pain disorder: The role of interpersonal and epigenetic factors in the transition from acute to chronic pain disorder       |
| Cadarso Busto       | Víctor Javier | PSI Villigen           | Microelektronics, Optoelectronics | Optical nanowires based biosensing platform  |
| Caviglia            | Andrea        | Université de Genève   | Condensed Matter Physics          | Light control of artificial quantum materials  |
| Chang               | Johan Juul    | EPF Lausanne           | Condensed Matter Physics          | Strongly correlated metals beyond the Fermi liquid concept   |
| de Seigneux Matthey | Sophie        | Université de Genève   | Pathophysiology                   | Kidney Tubular Cells are Major Actors in Chronic Kidney Disease (CKD) Progression: Potential Therapeutic Targets and Prognosis Markers |
| Deguen              | Renaud        | ETH Zürich             | Geophysics                        | Setting Earth's initial conditions - Compositional and thermal partitioning during metal silicate differentiation in a magma ocean     |
| Dreiser             | Jan           | EPF Lausanne           | Condensed Matter Physics          | Magnetic and Optical Investigations of Surface-Deposited Single-Ion Magnets  |
| Fachard             | Sylvian       | Université de Genève   | Archaeology                       | Les frontières de l'Attique. Etude du paysage frontalier d'une cité grecque : archéologie et géographie historique.                    |
| Faresse             | Nourdine      | Universität Zürich     | Physiology: other topics          | Role of the Mineralocorticoid receptor signaling in the control of adipocytes differentiation and function                             |
| Forney              | Jérémie       | Berner Fachhochschule  | Ethnology                         | Filières alternatives dans la production laitière: reconfiguration des réseaux et autonomisation des producteurs                       |
| Frey                | Olivier       | ETH Zürich             | Microelectronics, Optoelectronics | The Body on a Chip - Human 3-D tissue analogues in microfluidic systems  |
| Frölicher           | Thomas        | ETH Zürich             | Oceanography                      | Anthropogenic carbon and heat uptake by the Southern Ocean   |
| Grüter              | Christoph     | Université de Lausanne | Ecology                           | The adaptive significance of communication and learning for colony success in honey bees   |
| Ibanez Gabilondo    | Alfredo       | ETH Zürich             | Cellular Biology, Cytology        | Single-cell ( <i>S.cerevisiae</i> ) level examination of the telomere maintenance process  |
| Isa                 | Lucio         | ETH Zürich             | Material Sciences                 | Self-assembly of anisotropic nanoparticles at liquid interfaces: unraveling the basics and designing new functional materials          |

| Name         | First Name            | Host Institution        | Discipline                                   | Project Title  |
|--------------|-----------------------|-------------------------|--|--|
| Jaeger       | Michael               | Universität Bern        | Biomedical Engineering                       | Novel Computerised Ultrasound Tomography in Echo Mode - CUTE: Multimodal Ultrasound Imaging for Accurate Diagnosis and Treatment Control |
| Joseph       | Edith Michelle Maryse | Université de Neuchâtel | Inorganic Chemistry                          | MAIA   |
| Jutzi        | Martin                | Universität Bern        | Astronomy, Astrophysics and Spatial Sciences | Impact Processes in the Solar System   |
| Kaczmarek    | Mary-Alix             | Université de Lausanne  | Geology                                      | High strain zone: From the effect of mineral plasticity to plate tectonic  |
| Katan        | Mira                  | Universität Zürich      | Neurology, Psychiatry                        | Biomarker signature of stroke aetiology study: The BIOSIGNAL-Study   |
| Khanna       | Nina                  | Universität Basel       | Immunology, Immunopathology                  | Relevance of different CD4+ T-cell subsets for antifungal defense. What is aberrant in immunocompromised patients?                       |
| King         | Carolyn               | Universität Basel       | Immunology, Immunopathology                  | The role of TCR affinity in CD4+ T cell asymmetric division and differentiation  |
| Kouyos       | Roger                 | Universität Zürich      | Infectious Diseases                          | Combining molecular epidemiology approaches and mathematical models for the spread of HIV and its coinfections                           |
| Kroll        | Alexandra             | EAWAG Dübendorf         | Other Disciplines of Environmental Sciences  | Fate and effects of engineered nanoparticles in stream periphyton  |
| Kurant       | Maciej                | ETH Zürich              | Information Sciences                         | Graph Sampling: Theory and Applications  |
| Lam          | Vincent               | Université de Lausanne  | Philosophy                                   | Metaphysics of quantum field theoretic structures in dynamical spacetime   |
| Lapointe     | Clayton               | Université de Fribourg  | Condensed Matter Physics                     | Cholesteric blue phase liquid crystals confined to nano-scale topographic surfaces   |
| Latu         | Ioana                 | Université de Neuchâtel | Psychology                                   | Implicit gender stereotypes in the workplace context: communication, behavioral confirmation, and detection                              |
| Lenggenhager | Bigna                 | Universität Zürich      | Neurophysiology and Brain Research           | Binding body and self by vestibular and multisensory stimulation   |
| Leonard      | Katherine Colby       | EPF Lausanne            | Hydrology, Limnology, Glaciology             | Antarctic precipitation, snow accumulation processes, and ice-ocean interactions   |

| Name            | First Name    | Host Institution        | Discipline                            | Project Title  |
|-----------------|---------------|-------------------------|---------------------------------------|--|
| Martinez-Garcia | Alfredo       | ETH Zürich              | Geology                               | On the Role of the Southern Ocean in the regulation of atmospheric carbon dioxide concentrations   |
| Meier           | Laurenz       | Université de Fribourg  | Psychology                            | Examining the Effect of Well-being on Work Stressors   |
| Mercier         | Hugo          | Université de Neuchâtel | Psychology                            | Reasoning in its social, cultural and argumentative context  |
| Mühleisen       | Beda          | Universität Zürich      | Experimental Microbiology             | Parathyroid hormone-related peptide (PTHrP) in skin innate immune defense - regulation and role in wound healing   |
| Necsulea        | Anamaria      | EPF Lausanne            | Genetics                              | The roles of long non-coding RNAs in mammalian development and aging   |
| Plisecka        | Anna          | Universität Zürich      | Legal Sciences                        | Normative Kommunikation in der mehrsprachigen Gesellschaft: Die Veröffentlichung von kaiserlichen Konstitutionen in den östlichen Provinzen des römischen Reiches                      |
| Pribytkova      | Elena         | Universität Basel       | Legal Sciences                        | A Social Minimum in the Language of Human Rights   |
| Roppolo         | Daniele       | Universität Bern        | Cellular Biology, Cytology            | Establishment of membrane fences and local cell wall deposition in plants  |
| Sawarkar        | Ritwick       | ETH Zürich              | Molecular Biology                     | Understanding the molecular role of Hsp90 in genotype-phenotype relation by using <i>Drosophila melanogaster</i> as a model  |
| Scheiermann     | Christoph     | Université de Genève    | Immunology, Immunopathology           | Kontrolle zirkadianer Lymphozytenmigration in lymphoiden und nicht-lymphoiden Geweben durch das sympathische Nervensystem  |
| Schmidt         | Sebastian     | ETH Zürich              | Theoretical Physics                   | Strongly correlated photons  |
| Silvestrini     | Nicolas       | Université de Genève    | Psychology                            | Motivational Perspectives on the Reciprocal Influence of Cognitive Control and Pain  |
| Skora           | Susanne       | ETH Zürich              | Mineralogy                            | Adakite Petrogenesis: An experimental study on mantle metasomatism   |
| Staub           | Daniel        | Universität Basel       | Cardiovascular Research               | Clinical Use of Contrast-Enhanced Ultrasound (CEUS) for the Assessment of Vessel Wall Vascularization (Vasa Vasorum) and Inflammation in Carotid Atherosclerosis and Venous Thrombosis |
| Stauder         | Andreas       | Universität Basel       | Ancient History and Classical Studies | The Old Egyptian Verb. Functions in Text   |
| Storey          | James William | Universität Bern        | Particle Physics                      | First Measurement of the Free-Fall of Antimatter with an Antihydrogen Beam   |

| Name    | First Name | Host Institution       | Discipline                         | Project Title  |
|---------|------------|------------------------|------------------------------------|--|
| Tan     | Kelly      | EPF Lausanne           | Neurophysiology and Brain Research | Dopamine modulation of inhibitory microcircuits in the barrel cortex   |
| Wegmann | Daniel     | EPF Lausanne           | Molecular Biology                  | Coestimating selection and demography                                  |
| Yalcin  | Binnaz     | Université de Lausanne | Genetics                           | Genetic basis of intellectual disability and other cognitive disorders |
| Zikas   | Vasileios  | ETH Zürich             | Information Sciences               | Towards Practical Secure Computation                                   |

#### Ambizione, Ambizione-PROSPER/SCORE 2011: 4<sup>th</sup> Call (49 grants)

| Name     | First Name | Host Institution                   | Discipline                                      | Project Title   |
|----------|------------|------------------------------------|---|---|
| Alessi   | Daniel     | EPF Lausanne                       | Geochemistry                                    | In situ Cr(VI) remediation in biostimulated natural sediments: mechanisms of formation, characterization, and long-term stability of reduced Cr(III) products |
| Alimonti | Andrea     | Università della Svizzera italiana | Experimental Cancer Research                    | Manipulation of senescence pathways for cancer therapy: from experimental models to clinic  |
| Althaus  | Christian  | Universität Bern                   | Infectious Diseases                             | Acute and chronic dynamics of HIV and HCV infections, within-host evolution and epidemiological outcomes  |
| Andretta | Elisa      | Université de Genève               | General history (without pre-and early history) | Itinéraires des savoirs et cultures médicales de l'Europe méditerranéenne (1520-1650)   |
| Aran     | Oya        | IDIAP Martigny                     | Information Sciences                            | Multimodal Computational Modeling of Nonverbal Social Behavior in Face to Face Interaction  |
| Astori   | Simone     | Université de Lausanne             | Neurophysiology and Brain Research              | Cellular mechanisms underlying sleep regulation: a role for synaptic plasticity within sleep-wave generating circuits?  |
| Banerji  | Natalie    | EPF Lausanne                       | Physical Chemistry                              | Conjugated Donor-Acceptor Copolymers: Understanding Their Optoelectronic Functioning in Organic Solar Cells   |
| Barducci | Alessandro | EPF Lausanne                       | Physical Chemistry                              | Atomistic Basis for the Multiple Functions of the Hsp70 Chaperone Machinery   |
| Blanchet | Steve      | EPF Lausanne                       | Theoretical Physics                             | Probing the origin of matter at the Large Hadron Collider   |

| Name                | First Name      | Host Institution        | Discipline                                      | Project Title   |
|---------------------|-----------------|-------------------------|---|---|
| Bohlius             | Julia           | Universität Bern        | Cancer  | AIDS-defining and non AIDS-defining cancers in patients starting ART in Southern Africa: cohort and linkage studies                                   |
| Castelletti         | Cristiano       | Université de Fribourg  | Ancient history and Classical studies           | Flavium Caelum. Tradition aratéenne et idéologie impériale dans la poésie épique de l'époque flavienne.   |
| Ciobanu Radomirovic | Laura Ioana     | Université de Neuchâtel | Mathematics                                     | Algorithmic, asymptotic and combinatorial aspects of equations in groups  |
| Corboz              | Philippe        | ETH Zürich              | Condensed Matter Physics                        | Simulation of strongly correlated quantum many-body systems with tensor network and Monte Carlo algorithms  |
| Courty              | Pierre-Emmanuel | Universität Basel       | Ecology   | Taxonomic and functional diversity of mycorrhizal fungi associated with poplar: an integrative approach   |
| Donghi              | Daniela         | Universität Zürich      | Inorganic Chemistry                             | Structural NMR investigation of the interaction between metal-based anticancer drugs and RNA  |
| Dotsenko            | Vladimir        | Université de Genève    | Mathematics                                     | Algebra and combinatorics of shuffle operads  |
| Dubey               | Sylvain         | Université de Lausanne  | Ecology   | The evolution of colour polymorphism in ectothermic vertebrates: A study on asp vipers  |
| Erb                 | Tobias          | ETH Zürich              | Experimental Microbiology                       | Reductive Carboxylases in Natural and Synthetic Microbial Pathways  |
| Flückiger           | Christoph       | Universität Zürich      | Psychology                                      | Microtuning a bonafide treatment for GAD patients – A randomized controlled trial   |
| Gerber              | Andri           | ETH Zürich              | Architecture and Social urban science           | Städtebauteorie: Theorie einer "interdisziplinären Disziplin"   |
| Gfeller             | Aurélie Elisa   | IHEID Genève            | General history (without pre-and early history) | Conceptualizing World Heritage: A Contested Process (1970s-2000s)   |
| Groh                | Jose            | Université de Genève    | Astronomy, Astrophysics and Spatial Sciences    | Unified models of massive stars through cosmic time   |
| Guan                | Xueli           | Universität Basel       | Biochemistry                                    | Lipidomics of host-pathogen interactions: human macrophage as a cellular system to study functional implications of lipid metabolism during infection |
| Hahn                | Oliver          | ETH Zürich              | Astronomy, Astrophysics and Spatial Sciences    | Galaxies and Large-scale Structure in the Universe: Their Formation and Implications for Cosmological Observables                                     |

| Name              | First Name  | Host Institution       | Discipline                                      | Project Title   |
|-------------------|-------------|------------------------|---|---|
| Ifejika Speranza  | Chinwe      | Universität Bern       | Social geography and ecology                    | Resilient agriculture-based livelihoods and resilient agricultural landscapes? Adaptation to climate change in African agriculture                  |
| Jessen            | Henning     | Universität Zürich     | Organic Chemistry                               | Dissection of Inositol-Phosphate Dependent Signaling Pathways with Novel Chemical Tools   |
| Klohs             | Jan         | ETH Zürich             | Neurophysiology and Brain Research              | Molecular imaging of neutrophil protease-mediated blood-brain barrier impairment and thrombosis after cerebral ischemia                             |
| Krol              | Jacek       | FMI Basel              | Molecular Biology                               | Regulatory function of microRNAs in mouse retinal neurons   |
| Lewinsky          | Tamar       | Universität Basel      | General history (without pre-and early history) | Weltsprache Jiddisch. Jüdische Transmigranten aus Osteuropa im 19. und 20. Jahrhundert und die Entstehung transnationaler jiddischer Räume          |
| Mermod            | Philippe    | Université de Genève   | Particle Physics                                | Searches for Massive Penetrating and Highly-Ionizing Particles with the ATLAS Detector at the Large Hadron Collider                                 |
| Morin             | Xavier      | Université de Lausanne | Ecology   | Impact des changements globaux sur la diversité en espèces ligneuses et sur la productivité forestière dans les forêts tempérées et alpines         |
| Nievergelt        | Marco       | Université de Lausanne | German and English languages and literature     | Allegory, Hermeneutics and Epistemology: Guillaume Deguileville's Pilgrimage trilogy in England 1350-1450.  |
| Pachlopnik Schmid | Jana        | Universität Zürich     | Paediatrics                                     | Immune tolerance in flaky skin mutant mice  |
| Pfister           | Jean-Pascal | Universität Bern       | Biophysics                                      | Normative theory of synaptic plasticity across multiple time scales   |
| Rambeau           | Claire      | Universität Bern       | Other disciplines of Environmental Sciences     | Arid Southern Levant: a joint environmental and human history for the Holocene, derived from new archives of climate change (Dead Sea edge, Jordan) |
| Ribi Forclaz      | Amalia      | IHEID Genève           | General history (without pre-and early history) | Peasants, Poverty and Politics. The Emergence of Global Labour Standards in Agriculture, 1930-1960  |
| Rimmele           | Ulrike      | Université de Genève   | Psychology                                      | Effects of emotion and stress on different memory stages  |
| Riva              | Francesco   | EPF Lausanne           | Particle Physics                                | MiPhaGe: Mining the Pharmacogenomics Literature   |
| Saunders          | Krystyna    | Universität Bern       | Hydrology, Limnology, Glaciology                | High resolution reconstructions of climate variability in the sub-Antarctic during the last two millennia   |
| Schmidt           | Thomas      | Universität Basel      | Condensed Matter Physics                        | Quantum effects in nanomechanical and optomechanical systems  |

| Name            | First Name | Host Institution   | Discipline                                  | Project Title  |
|-----------------|------------|--------------------|---|--|
| Schuepbach      | Reto       | Universität Zürich | Physiology : other topics                   | Cytoprotection through non Anticoagulant Engineered Chimeric Activated Protein C   |
| Slack           | Emma       | ETH Zürich         | Experimental Microbiology                   | Immunological control of within-host S. Typhimurium population dynamics  |
| Stadler         | Tanja      | ETH Zürich         | Infectious Diseases                         | Estimating epidemiological and evolutionary parameters from viral sequence data using phylogenetic methods   |
| Stauder-Porchet | Julie      | Universität Basel  | Ancient history and Classical studies       | Les autobiographies en Égypte ancienne de 2500 à 1500 av. J.-C. : histoire d'un genre  |
| Tegethoff       | Marion     | Universität Basel  | Psychology                                  | Pediatric mental-somatic comorbidity: epidemiological and psychobiological perspectives  |
| Tuia            | Devis      | EPF Lausanne       | Other disciplines of Environmental Sciences | Understanding the underlying structure of remote sensing images: improving adaptation in classification models with artificial intelligence techniques |
| Voitchovsky     | Kislon     | EPF Lausanne       | Other disciplines of Physics                | Solid-Liquid Interfaces at the Nanoscale   |
| Zajacz          | Zoltán     | ETH Zürich         | Geochemistry                                | Equilibrium between silicate melts and H-O-C-S-Cl magmatic volatiles: a key to understand volcanic eruptions and ore deposit genesis                   |
| Zenker          | Olaf       | Universität Bern   | Ethnology                                   | Land restitution and the moral modernity of the new South African state  |

### Ambizione 2010: 3<sup>rd</sup> Call (53 grants)

| Name    | First Name | Host Institution     | Discipline                         | Project Title  |
|---------|------------|----------------------|------------------------------------|--|
| Bakkum  | Douglas    | ETH Zürich           | Neurophysiology and Brain Research | Network dynamics underlying learning in embodied cortical brain cells grown over an 11,011-electrode CMOS circuit  |
| Bellone | Camilla    | Université de Genève | Neurophysiology and Brain Research | Nicotine exposure of the unborn: effects on postnatal maturation of excitatory synaptic transmission in the cortico-limbic system                                  |
| Berger  | Thomas     | Universität Bern     | Psychology                         | Internet-based psychotherapy: The evaluation of internet-based interventions for social phobia, panic disorder and/or agoraphobia and generalized anxiety disorder |

| Name            | First Name | Host Institution       | Discipline                       | Project Title  |
|-----------------|------------|------------------------|----------------------------------|--|
| Breschi         | Evelina    | Université de Fribourg | Other disciplines of Physics     | A push-pull magnetometer with an internal microwave frequency reference  |
| Bucher          | Etienne    | Universität Bern       | Genetics                         | Investigating the tissue specific epigenetic code in plants  |
| Caiata Zufferey | Maria      | Université de Genève   | Sociology                        | Entre santé et maladie. Analyse des trajectoires et des modes de vie en présence du risque génétique de cancer   |
| Crivelli        | Paolo      | ETH Zürich             | Other disciplines of Physics     | Testing antigravity with positronium   |
| Cvengros        | Jan        | ETH Zürich             | Organic Chemistry                | Tröger's base inspired organocatalysts for asymmetric dual catalysis   |
| De Jong         | Rixt       | Universität Bern       | Hydrology, Limnology, Glaciology | Cold-season climate variability in the Chilean Andes during the past millennium  |
| Deac            | Alina      | EPF Lausanne           | Condensed Matter Physics         | Spin-dependent transport and spin-transfer torques in specially designed superlattice nanostructures with tailored anisotropies                                    |
| Duba            | William    | Université de Fribourg | Philosophy                       | Francis of Marchia's Philosophical Psychology  |
| Engelstädter    | Jan        | ETH Zürich             | Ecology                          | Why do bacteria have sex? Theoretical and experimental investigations into the evolution of bacterial transformation   |
| Fedor           | Juraj      | Université de Fribourg | Physical Chemistry               | Electron-driven chemistry at liquid interfaces   |
| Fischer         | Ozana      | Universität Basel      | Physical Chemistry               | Switchable transport across genetically engineered channel proteins  |
| Flindt          | Christian  | Université de Genève   | Condensed Matter Physics         | Nano-scale quantum devices   |
| Frick           | Andrea     | Universität Bern       | Psychology                       | Development of Spatial Transformation Abilities  |
| Fürstenberg     | Alexandre  | Université de Genève   | Biophysics                       | Membrane dynamics and conformational diversity of G protein-coupled receptors  |
| Gerber          | Jean-David | Université de Lausanne | Social geography and ecology     | The land use strategies of local authorities in the aftermath of new public management. Impacts on spatial development and sustainability                          |
| Geuking         | Markus     | Universität Bern       | Immunology, Immunopathology      | The role of antigen-specific and Toll-like receptor-dependent de novo generation of inducible regulatory T cells in the induction of intestinal immune homeostasis |
| Glauser         | Dominique  | Université de Fribourg | Genetics                         | Genetic Analysis of Temperature and Pain Sensation in <i>Caenorhabditis elegans</i>  |



| Name       | First Name     | Host Institution        | Discipline                                      | Project Title  |
|------------|----------------|-------------------------|---|--|
| Granziera  | Cristina       | Université de Lausanne  | Neurology, Psychiatry                           | Advanced Techniques to Investigate the Physiopathology of Multiple Sclerosis Using High and Ultra-High Field MRI |
| Hirschi    | Caspar         | ETH Zürich              | General history (without pre-and early history) | Kritiker und Experten. Die Konstruktion moderner Gelehrtenrollen im Zeitalter der Aufklärung                     |
| Irla       | Magali         | Université de Genève    | Immunology, Immunopathology                     | Role of medullary thymic epithelial cells in the generation of natural regulatory T cells                        |
| Job Sutnar | Veronika       | Universität Zürich      | Psychology                                      | Implicit Theories about Willpower: Mechanisms, Replication, and Application                                      |
| Kuznets    | Roman          | Universität Bern        | Information Sciences                            | Refining Reasoning via Justification Extraction: A Proof-Theoretic Approach                                      |
| Letzkus    | Johannes Jakob | FMI Basel               | Neurophysiology and Brain Research              | Encoding of Associative Fear Memory in Identified Neuronal Circuits of Auditory Cortex                           |
| Martin     | Gunther        | Universität Bern        | Other languages and literature                  | Kommentar zu Euripides, Ion  |
| Mayor      | Julien         | Université de Genève    | Psychology                                      | A neuro-computational investigation of lexical development in Williams Syndrome children                         |
| Mercer     | Jason          | ETH Zürich              | Cellular Biology, Cytology                      | Cell biology of poxvirus infection   |
| Parisod    | Christian      | Université de Neuchâtel | Botany  | Impact of transposable elements on genome dynamics and reproductive isolation                                    |
| Paschoud   | Adrien         | Université de Lausanne  | Romance languages and literature                | Edition integrale des ecrits autobiographiques de Jean-Joseph Surin (1600-1665)                                  |
| Pic        | Muriel         | Université de Neuchâtel | Romance languages and literature                | Edith Boissonnas dans le cercle Paulhan : l'engagement lyrique   |
| Plomp      | Gijs           | Université de Genève    | Neurophysiology and Brain Research              | Functional brain networks: dynamics of directed information transfer in visual processes                         |
| Pollet     | Lode           | ETH Zürich              | Condensed Matter Physics                        | Developing tools for bridging the gap between cold gases and materials   |
| Ponzetto   | Valentina      | Université de Genève    | Romance languages and literature                | Le Proverbe dramatique   |

| Name        | First Name    | Host Institution       | Discipline                                   | Project Title  |
|-------------|---------------|------------------------|--|--|
| Rasmann     | Sergio        | Université de Lausanne | Ecology                                      | A phylogenetic study on altitudinal gradients of plant defenses against herbivores: testing classic hypotheses with contemporary methods |
| Riva        | Oriana        | ETH Zürich             | Information Sciences                         | Nimbus: Personal cloud computing   |
| Roggia      | Carlo Enrico  | Université de Genève   | Romance languages and literature             | Le opere linguistiche di Melchiorre Cesarotti: edizione e commento   |
| Scharnowski | Frank         | Université de Genève   | Neurophysiology and Brain Research           | Modulating Human Brain Function and Dysfunction with Neurofeedback   |
| Schimanski  | Bernd         | Universität Bern       | Cellular Biology, Cytology                   | Nuclear mRNA export in Trypanosoma brucei - parasite specific factors or business as usual?  |
| Schultz     | Thomas        | IHEID Genève           | Legal sciences                               | The Ethics of Transnational Business Law   |
| Scrima      | Andrea        | FMI Basel              | Biochemistry                                 | Molecular mechanism underlying Cockayne Syndrome   |
| Slowik      | Jay           | PSI Villigen           | Climatology. Atmospheric Chemistry, Aeronomy | Production and Processing of Atmospheric Aerosols from Biogenic and Biomass Burning Sources  |
| Spycher     | Anna Cornelia | Universität Zürich     | Cellular Biology, Cytology                   | "Kiss and Flush" - a minimized endocytic system in the protozoan Giardia lamblia   |
| Szövényi    | Péter         | Universität Zürich     | Genetics                                     | Gene expression and the evolution of plant alternation of generations  |
| Ullrich     | Nina          | Universität Bern       | Cardiovascular Research                      | Functional characterization and comparison of stem cell-derived cardiomyocytes for cardiac regenerative medicine                         |
| Voets       | Ilja          | Université de Fribourg | Physical Chemistry                           | Antifreeze proteins in solution and at interfaces  |
| Weder       | Christine     | ETH Zürich             | German and English languages and literature  | Intime Beziehungen: Literatur, Ästhetik und Theorien der Sexualität um 1968  |
| Wilhartitz  | Inés          | EAWAG Dübendorf        | Hydrology, Limnology, Glaciology             | Microbial communities inherent to karstic aquifers - ecological driving forces in the depth  |
| Worthington | Martin        | Université de Genève   | Other languages and literature               | Individual style in Babylonian narrative poetry of the 1st millennium BC   |
| Yanagisawa  | Hirofumi      | ETH Zürich             | Condensed Matter Physics                     | Spatio-temporal Control of Coherent Electron Emission  |

| Name | First Name | Host Institution   | Discipline                                   | Project Title  |
|------|------------|--------------------|--|--|
| Yoo  | Jaiyul     | Universität Zürich | Astronomy, Astrophysics and Spatial Sciences | Cosmological Probes of Dark Sector of the Universe   |
| Zech | Roland     | ETH Zürich         | Geology                                      | Tracking glacial cycles across Eurasia using lipid biomarkers in loess-paleosols-sequences |

### Ambizione 2009: 2<sup>nd</sup> Call (53 grants)

| Name               | First Name | Host Institution                          | Discipline                       | Project Title  |
|--------------------|------------|---|----------------------------------|--|
| Alvarez            | Nadir      | Université de Lausanne                    | Zoology                          | Coalescence and adaptation processes in plant-insect interactions: Bridging the gap between genomics and phylogeography                      |
| Amati              | Francesca  | Univeristé de Lausanne / Universität Bern | Endocrinology                    | Insulin resistance of aging, ectopic lipid depositions and oxidative capacity: effects of exercise and obesity                               |
| Appenzeller-Herzog | Christian  | Universität Basel                         | Cellular Biology, Cytology       | Role and regulation of luminal disulfide switches in calcium signaling from the endoplasmic reticulum  |
| Baglioni           | Daniele    | Universität Zürich                        | Romance languages and literature | Gli esiti del nesso GN nelle lingue romanze (con speciale riguardo all'Italia)   |
| Berner             | Daniel     | Universität Basel                         | Molecular biology                | The molecular basis of parallel evolution in stickleback foraging morphology   |
| Bichsel            | Christine  | Université de Fribourg                    | Social geography and ecology     | Territory in Socialist Central Asia. A Political Geography of Soviet Modernity, 1953–1982  |
| Braband            | Henrik     | Universität Zürich                        | Inorganic Chemistry              | Technetium Chemistry at High Oxidation States: New Perspectives for Nanomaterials and Polyoxometalates in Medicine and Environmental Science |
| Brunner            | Philip     | Université de Neuchâtel                   | Hydrology, Limnology, Glaciology | Controls and impact of geologic heterogeneity and temporal dynamics in surface water groundwater interaction                                 |
| Bucher-Karlsson    | Michelle   | EPF Lausanne                              | Mathematics                      | Milnor-Wood inequalities and characteristic classes  |
| Cacchione          | Trix       | Universität Zürich                        | Psychology                       | Core knowledge revisited: Effects of fission, fusion and shape transformation on infants' ability to represent inanimate and animate objects |

| Name        | First Name    | Host Institution        | Discipline                                      | Project Title   |
|-------------|---------------|-------------------------|---|---|
| Cakareski   | Jakov         | EPF Lausanne            | Information Sciences                            | YouStream: Context-Aware Distributed Media Delivery   |
| Carbone     | Fabrizio      | EPF Lausanne            | Condensed Matter Physics                        | Real-time structural investigation of superconductors   |
| Champagnac  | Jean-Daniel   | ETH Zürich              | Geology   | Glacial Carving versus Tectonic Forcing. Documenting their Relative Contribution to Relief Formation  |
| Colombaroli | Daniele       | Universität Bern        | Ecology   | Fire, climate change and human impact in tropical ecosystems: paleoecological insights from the East African region   |
| Contratto   | Franca        | Universität Zürich      | Legal sciences                                  | Rechtsschutz im Wirtschaftsrecht - Phänomenologie und Ursachen aktueller Vollzugsdefizite sowie Reformansätze für die Zukunft                                     |
| Everts      | Regula        | Universität Bern        | Psychology                                      | Behavioural and Neural Effect of Memory Training in Children born Preterm   |
| Felsch      | Philipp       | ETH Zürich              | General history (without pre-and early history) | Humboldts Söhne. Das paradigmatische Leben der Brüder Schlagintweit (1820-1890)   |
| Gasser      | Gilles Albert | Universität Zürich      | Inorganic Chemistry                             | Synthesis of PNA-Metal Bioconjugates by "Copper-Free" and "Photo" Click Chemistry: An Approach towards the in Vitro Attachment of Organometallics to Biomolecules |
| Hollenstein | Marcel        | Universität Bern        | Organic Chemistry                               | Improving the catalytic repertoire of DNA enzymes   |
| Izzo        | Anna          | Université de Lausanne  | Romance languages and literature                | Il racconto di secondo grado nell'Orlando Furioso e nella tradizione cavalleresca   |
| Jermann     | Patrick       | EPF Lausanne            | Information Sciences                            | Multimodal Interaction Modelling and Regulation of Collaborative Problem-Solving  |
| Jucker      | Michael       | Universität Luzern      | General history (without pre-and early history) | Beute, Plünderung, Kulturgüterraub. Kriegsökonomie und symbolische Konfliktformen vom Mittelalter bis zur Renaissance   |
| Junier      | Pilar         | Université de Neuchâtel | Experimental Microbiology                       | Metabolic capabilities of spore-forming microorganisms  |
| Kaufmann    | Tobias        | ETH Zürich              | Theoretical Physics                             | Extended Gaseous Halos as a Probe of Galaxy Formation   |
| Kleim       | Birgit        | Universität Zürich      | Psychology                                      | Psychological and Biological Mechanisms of Stress Resilience  |
| Kocsis      | Laszlo        | Université de Lausanne  | Geochemistry                                    | Paleogene environmental conditions in shallow tropical basins: case studies in the Tethyan phosphate deposits of North Africa                                     |

| Name        | First Name          | Host Institution                    | Discipline                                      | Project Title  |
|-------------|---------------------|-------------------------------------|---|--|
| Kränkeli    | Nicolle             | Universität Zürich                  | Cardiovascular Research                         | Verbesserung der Rekrutierung Pro-angiogener Zirkulierender Zellen mittels Manipulation der Kinin-Rezeptor Signalübertragung       |
| Kümmerli    | Rolf                | EAWAG Dübendorf                     | Ecology   | Evolutionary explanations for the persistence of cooperative siderophore production in the bacterium <i>Pseudomonas aeruginosa</i> |
| Lieberman   | Max                 | Universität Zürich                  | General history (without pre-and early history) | Conflicts between chivalry and law in high medieval "states", ca. 1000–1300  |
| Maan        | Martine             | Universität Bern                    | Ecology   | The colours of speciation: can visual adaptation and sexual selection drive species divergence in cichlid fish?                    |
| Mader       | Rachel              | Zürcher Hochschule der Künste (ZFH) | Visual arts and Art history                     | Kunst als Unternehmen - kreative Praxis und Kulturpolitik seit 1980  |
| Margolis    | David               | Universität Zürich                  | Neurophysiology and Brain Research              | Neuronal circuit mechanisms of experience-dependent plasticity in adult mouse barrel cortex  |
| Martinvalet | Denis               | Univesité de Genève                 | Immunology, Immunopathology                     | Reactive Oxygen Species in Granzyme-mediated Cell Death: from Mechanism to Applications  |
| McKinley    | Richard             | Universität Bern                    | Information Sciences                            | Computational Structure of Classical Duality   |
| Modestin    | Georg               | Université de Fribourg              | General history (without pre-and early history) | Heinrich von Diessenhofen als Historiograph seiner Zeit im Rahmen der süddeutschen Reichsgeschichtsschreibung                      |
| Pedrioli    | Patrick Gino Angelo | ETH Zürich                          | Biochemistry                                    | Functional significance and regulation of nucleotide thiolation in RNA molecules   |
| Pignatari   | Marco               | Universität Basel                   | Astronomy, Astrophysics and Spatial Sciences    | A new comprehensive analysis of nucleosynthesis in stars: a bridge between nuclear astrophysics, stellar models and observations   |
| Purtschert  | Patricia            | ETH Zürich                          | Philosophy                                      | Kolonialismus ohne Kolonien? Eine postkoloniale Diskursanalyse der Schweiz   |
| Ramadoss    | Ajay                | ETH Zürich                          | Mathematics                                     | Topological quantum mechanics and index theorems.  |
| Reubi       | Olivier             | ETH Zürich                          | Geochemistry                                    | Integrating U-series and petrology to constrain the time scales of arc magmatism   |
| Romanyuk    | Yaroslav            | EMPA Dübendorf                      | Microelectronics, Optoelectronics               | Semi-transparent solar cells based on oxide semiconductors   |

| Name     | First Name       | Host Institution                | Discipline                         | Project Title   |
|----------|------------------|---------------------------------|------------------------------------|---|
| Rüegg    | Joëlle           | Universität Basel               | Molecular Biology                  | Role of estrogen receptors in mediating specific DNA methylation changes and its implication for endocrine disruption   |
| Ruiz     | Geoffrey         | Université de Lausanne          | Geology                            | Cauca-Lift: Uplift in the Caucasus Mountains – Insights from very low Temperature thermochronometry and in cosmogenic dating  |
| Schaepli | Bettina          | EPF Lausanne                    | Hydrology, Limnology, Glaciology   | Hydrologic Prediction in Alpine Environments  |
| Seeger   | Markus           | Universität Zürich              | Biochemistry                       | Targeting multidrug efflux proteins: Studying transport processes across the membrane using designed ankyrin repeat proteins and antibody fragments                                   |
| Silander | Olin             | Universität Basel               | Experimental Microbiology          | The generation of novel function in microbial systems   |
| Spinelli | Simona           | Universität Zürich / ETH Zürich | Neurophysiology and Brain Research | Human and mouse-model study of serotonin transporter involvement in abnormal negative feedback processing in depression: translational neural imaging and neuropsychological testing. |
| Stuparu  | Mihaiela Corina  | Universität Zürich              | Organic Chemistry                  | New optoelectronic materials based on corannulene derivatives   |
| Taylor   | Kirsten I.       | Universität Basel               | Psychology                         | Transentorhinal Cortex Function and Structure in Preclinical Alzheimer's Disease  |
| Teubner  | Jens             | ETH Zürich                      | Information Sciences               | Avalanche: Stream Processing on Bare Metal  |
| Vazquez  | Franck           | Universität Basel               | Molecular Biology                  | Genetic and Molecular Insights into the Regulation of Endogenous RNA Silencing Pathways of Plants   |
| Walter   | Martin Alexander | Universität Basel               | Clinical Cancer Research           | Somatostatin-coupled Nanoparticles for Cancer Imaging and Therapy   |
| Zamagni  | Claudio          | Université de Lausanne          | Religious sciences, Theology       | L'"Apocalypse de Paul" apocryphe: édition critique et commentaire   |

**Ambizione 2008: 1<sup>st</sup> Call (37 grants)**

| Name      | First Name | Host Institution              | Discipline   | Project Title   |
|-----------|------------|-------------------------------|--|---|
| Abiven    | Samuel     | Universität Zürich            | Pedology   | Physical, molecular and microbial evidence of char degradation  |
| Argyaki   | Aikaterini | EPF Lausanne                  | Information Sciences                                 | Internet Accountability   |
| Aue       | Tatjana    | Université de Genève          | Psychology   | Neural and somatovisceral processes associated with expectancy bias in spider phobia  |
| Becue     | Andy       | Université de Lausanne        | Chemical Engineering                                 | Development of advanced fingermark detection techniques based on luminescent nanoparticles  |
| Berking   | Matthias   | Universität Bern              | Psychology   | Evaluating the Effectiveness of an Intensive Emotion-Regulation Training as an Adjunctive Intervention in Psychotherapeutic Treatment of Mental Disorders |
| Casini    | Angela     | EPF Lausanne                  | Inorganic Chemistry                                  | Exploring the mechanisms of metal-based pharmacological agents via an integrated approach   |
| Dagron    | Stéphanie  | Universität Zürich            | Legal Sciences                                       | Essai de systématisation des politiques de régulation touchant à la mise sur le marché et au suivi des médicaments  |
| Forclaz   | Bertrand   | Université de Neuchâtel       | General history (without pre-and early history)      | La guerre de Trente ans aux frontières de l'Empire (1618-1648): appartenance, expérience, mobilité  |
| Gabrecht  | Tanja      | EPF Lausanne                  | Other disciplines of Physics                         | Instrumental developments, optimisation and evaluation of photodynamic therapy of the Crohn's disease   |
| Guillaume | Frédéric   | ETH Zürich                    | Genetics   | Genetic determinants of adaptive variation and their evolution in structured populations  |
| Gysel     | Martin     | PSI Villigen                  | Climatology,<br>Atmospherical Chemistry,<br>Aeronomy | Soot Nanoparticles in the Past and Present Atmosphere   |
| Huang     | Jen-How    | ETH Zürich                    | Pedology   | Influence of arsenate adsorption on iron and aluminium hydroxide surfaces on microbial arsenate reduction kinetics  |
| Lachat    | Romain     | Universität Zürich            | Political Sciences                                   | Contextual factors and the spatial model of electoral competition   |
| Lara      | Enrique    | Eidg. Forschungsanstalt - WSL | Other disciplines of Environmental Sciences          | Genetic microdiversity and ecology of protists  |

| Name              | First Name         | Host Institution        | Discipline                                      | Project Title  |
|-------------------|--------------------|-------------------------|---|--|
| Leimgruber        | Matthieu           | Université de Genève    | General history (without pre-and early history) | The emergence of the "crisis of the welfare state": a social and transnational history (1970s-1980s)   |
| Lobmaier          | Janeke             | Universität Bern        | Psychology                                      | Processing the "Social" Face   |
| Martin            | Oliver Yves        | ETH Zürich              | Ecology   | Evolutionary Conflicts and their Impact on Speciation  |
| Michel            | Gisela             | Universität Bern        | Cancer  | Follow-up care after childhood and young adult cancer  |
| Minehira Castelli | Kaori              | Université de Lausanne  | Pathophysiology                                 | Molecular and nutritional approach for a study of non-alcoholic fatty liver diseases in mice and human   |
| Müller            | Cristina           | PSI Villigen            | Pharmacology, Pharmacy                          | Folate Receptor Targeting for Imaging and Potential Therapy of Cancerous and Inflammatory Diseases   |
| Rankin            | Daniel             | Universität Zürich      | Ecology   | The Evolution and Ecology of Mobile DNA  |
| Sartori           | Alessandro         | Universität Zürich      | Biochemistry                                    | The role of CtIP phosphorylation in DNA double-strand break processing   |
| Savu              | Veronica           | EPF Lausanne            | Material Sciences                               | Full-Wafer Dynamic Nanostencil Lithography   |
| Schmidlin         | Eric               | Universität de Fribourg | Neurophysiology and Brain Research              | Physiological investigation of the motor output from motor cortex after transient and permanent inactivation in sub-human primate treated with an antibody enhancing functional recovery of function, assessed by chronically implanted electrodes |
| Schöbi            | Dominik            | Universität de Fribourg | Psychology                                      | The Coregulation of Daily Affective Experiences in Couples with Young Children   |
| Studer            | Michael Hans-Peter | ETH Zürich              | Other disciplines of Engineering Sciences       | Novel system for the direct fermentation of pretreated lignocellulosic material to ethanol in a single reactor   |
| Surroca Ortiz     | Andrea             | Universität Basel       | Mathematics                                     | On some transcendental and diophantine problems  |
| Thevenon          | Florian            | Université de Genève    | Other disciplines of Environmental Sciences     | Natural and anthropogenic mineral aerosols from ice and sediment Alpine records: Climatic, stratigraphic, and environmental implications   |
| Thomos            | Nikolaos           | EPF Lausanne            | Information Sciences                            | Low cost network coding for collaborative video streaming  |
| Tilg              | Stefan             | Universität Zürich      | Ancient History and Classical Studies           | Apuleius and the Ancient Novel   |



| Name        | First Name | Host Institution       | Discipline                                      | Project Title  |
|-------------|------------|------------------------|---|--|
| van Dongen  | Luc        | Université de Fribourg | General history (without pre-and early history) | La "garde anticommuniste" suisse et ses homologues occidentales au temps de la guerre froide : réseaux, milieux et transferts transnationaux (1945-1975)                               |
| Vasos       | Paul Romeo | EPF Lausanne           | Physical Chemistry                              | Storing slow processes in spin memory: long-lived states   |
| Vuilleumier | Séverine   | Université de Lausanne | Ecology   | Dynamique des gènes en métapopulations hétérogènes   |
| Walentowitz | Saskia     | Universität Bern       | Ethnology                                       | Feeding dilemmas. Anthropological perspectives on infant feeding, policies and science in contexts of HIV  |
| Würzner     | Gregor     | Université de Lausanne | Internal Medicine                               | Implication and interaction of the renal sympathetic nervous system, the renin-angiotensin-aldosterone system and renal sodium handling in pre-hypertensive or hypertensive states     |
| Yamahata    | Christophe | EPF Lausanne           | Other disciplines of Engineering Sciences       | Micropincettes en Silicium pour l'Instrumentation Biophysique Moléculaire  |
| Zobi        | Fabio      | Universität Zürich     | Inorganic Chemistry                             | Systematic Approach to Rhenium (II) Building Blocks via Ligand-Mediated Decarbonylation: Prospective and Applications in Medicinal Inorganic Chemistry and for Single-Molecule Magnets |

15.08.2017