

**EPFL Leading House
Seed Money Latin America 2015**

Project Title	Swiss Principal Investigator	Swiss Institution	Department	Partner Country	Partner Institution
Natural hazards and forest interactions in the Patagonian	BEBI Peter	Institute for Snow & Avalanche Research (WSL/SLF)	Unit Community Ecology	Argentina	Argentine Institute for Snow, Ice & Environmental Research (IANIGLA-CONICET)
Risk assessment of geogenic contaminants in groundwater resources of the Amazon Basin	BERG Michael	EAWAG	Water Resources & Drinking Water	Peru	Universidad Nacional de Ingeniería (UNI)
Cost-effective strengthening solutions to reduce vulnerability of new Colombian building construction typology	BEYER Katrin	EPFL	Earthquake Engineering and Structural Dynamics Laboratory, ENAC School	Colombia	Universidad del Valle / Escuela de Ingeniería de Antioquia / Universidad de Medellín
Experimental and numerical characterization of the mechanical behavior of Ultra High Performance Fibre-Reinforced Concrete under high loading rate (impact, explosion, earthquake, hurricane)	CADONI Ezio	SUPSI	Dept for Environment, Constructions & Design DynaMat Lab	Argentina	Universidad Nacional de Tucuman
Evaluation of cost-effective platforms for brain computer interfacing in Cali	CHAVARRIAGA LOZANO Ricardo	EPFL	Defitech Chair in Brain-Machine Interface (CNBI)	Colombia	Universidad del Valle (Univalle)
A pilot integrative knowledgebase for the characterization and tracking of multi resistant <i>Acinetobacter baumannii</i> in Colombian hospitals	FALQUET Laurent	UNIFR	Dept of Biology Bioinformatics Core	Colombia	Universidad Nacional de Colombia
Indigenous and Afro-Descendants' rights and state policies: Challenges of transdisciplinary (interdisciplinary and collaborative) research	HELG Aline	UNIGE	Lettres, Histoire générale	Argentina	Universidad Nacional de Rio Negro (UNRN)
Investigating the mechanism of decreased iron absorption in obesity: an iron stable isotope study to determine the effects of controlling adiposity-related inflammation	HERTER-AEBERLI Isabelle	ETHZ	Human Nutrition Lab	Mexico	Universidad de Monterrey (UDEM)
Development of lentiviral vectors to study hydrogen peroxide signaling in the nervous system	JAQUET Vincent	UNIGE	Dept of Pathology & Immunology Faculty of Medicine	Mexico	Universidad Nacional Autónoma de México (UNAM)
Neutron Scattering Techniques to study Novel Magneto-Electric Materials	KENZELMANN Michel	PSI	Laboratory for development and methods	Argentina	Centro Atómico Bariloche / Universidad Nacional de Córdoba
Surface Supported Smart Supramolecular Nanopores	LINGENFELDER Magali	EPFL	Max Plank Lab for Molecular Nanoscience	Argentina	Universidad Nacional de Córdoba (UNC)

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Urban, rural and indigenous ritual practices in Mexico between symbolism and political strategies	MANCINI Silvia	UNIL	Institute Religions, Cultures, Modernite (IRCM)	Mexico	Universidad Iberoamericana (UIA) / Colegio de Sans Luis Potosí (COLSAN) Universidad Autónoma de Sans Luis Potosí (UASLP)
Improving perinatal maternal health care through mobile-messaging in rural Peru	MÄUSEZAHN Daniel	Swiss Tropical & Public Health Institute	Dept of Epidemiology & Public Health	Peru	Universidad Peruana Cayetano Heredia
Basin fragmentation, climate change and the impact on Neotropical fishes diversification	MONTOYA-BURGOS Juan	UNIGE	Lab of Molecular Phylogeny and evolution in vertebrates Dept of Genetics & Evolution	Argentina	Universidad Nacional de San Martin / CONICET
Molecular characterization of the role of aliphatic polyester in plant innate immunity	NAWRATH Christiane	UNIL	Dept of Molecular Biology	Mexico	Universidad Nacional Autónoma de México (UNAM) Universidad Nacional Autónoma de México
Emerging antibiotic resistance in gram negative bacteria from Colombia: rapid diagnostic testings and their molecular analysis	NORDMANN Patrice	UNIFR	Dept of Medical & Molecular Microbiology	Colombia	Centro Nacional de Entrenamiento e Investigaciones Médicas (CIDEIM) Centro Internacional de Entrenamiento e Investigaciones
Cryospheric variations in the central Andes: an integrative geomorphological approach (CryoAndes)	NUSSBAUMER Samuel	UNIFR	Dept of Geosciences	Chile	Pontificia Universidad Católica de Chile
Neutron Filter cross-section libraries and components for MCNP and McStas simulations	RANTSIOU Emmanouela	PSI	Neutron optics and computing group	Argentina	Centro Atómico Bariloche
Consequences of clientelism for policy design in Mexico	RUTH Saskia	UNIZH	Dept of Political Science NCCR Democracy	Mexico	Centro de Investigación y Docencia Económicas (CIDE)
Morphological diversity and growth in cattle and horse domestication: The Vaca Nata and the Falabella from Argentina	SANCHEZ-VILLAGRA Marcelo	UNIZH	Paleontological Institute & Museum	Argentina	Argentine Institute for Snow, Ice & Environmental Research (IANIGLA-CONICET)
Study of the genetic diversity of pathogenic Leptospira spp. isolates from endemic and non endemic region in Peru	SCHMID Christoph	Swiss Tropical & Public Health Institute	Dept. Of Medical Parasitology and Infection Biology	Peru	Insituto Nacional de Salud

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Towards an anthropological approach to tourism in the Cusco region: Institutional cooperation & partnership	SIMONI Valerio	Graduate Institute of International & Development Studies (IHEID)	Anthropology & Sociology of Development Dept	Peru	Universidad Nacional San Antonio Abad del Cusco (UNSAAC)
Preparation of an intercultural study on mindfulness-based depression prevention in children and youth	STEINEBACH Christophe	ZHAW	School of Applied Psychology	Chile	Pontificia Universidad Católica de Chile
Neutrophil function in the antileishmanial effect of drugs	TACCHINI-COTTIER Fabienne	UNIL	Dept of Biochemistry WHO-IRTC	Colombia	Centro Nacional de Entrenamiento e Investigaciones Médicas (CIDEIM)
Chemical defenses in wild and cultivated cotton plants	TURLINGS Ted	UNINE	Institute of Biology FACE Lab	Mexico	Universidad Autonoma de Yucatan
Cooperating toward greater social quality: Designing a need-based intergroup contact situation	ULLRICH Johannes	UNIZH	Psychology / Social Psychology	Chile	Pontificia Universidad Católica de Chile
Embroidering craft and technological knowledges to interculturally enhance pedagogical and archival practices	VINCK Dominique	UNIL	Institute for Social Sciences Lab for digital cultures & digital humanities	Colombia	Universidad Nacional de Colombia
Substances of Modernity: Materials and their Meanings in Swiss and Mexican Architecture	WEDDIGEN Tristan	UNIZH	Institute of Art History	Mexico	Universidad Nacional Autónoma de México (UNAM)