

STCPSR: list of funded projects

Quantum technologies and photonics; Robotics; Composites

Co-funded with the Ministry of Education and Science of the Russian Federation (MES)

Swiss main applicant	Russian main applicant	Title
Brugger, Jürgen	Victor V. Ivanov	NaNose - organic-matrix nanocomposite materials for gas mutisensors (e-noses)
Chergui, Majed	Evgeny A. Ryabov	Electronic and structural dynamics of photonic materials
Fontcuberta i Morral, Anna	Vladimir G Dubrovskii	Advanced heterostructures based on III-V nanostructures for photonics on silicon
Grange, Rachel	Yuri Kivshar	All-Dielectric and Hybrid Nanostructures for Biophotonic Applications
Grätzel, Michael	Andrei Shevelkov	Hybrid halide perovskite solar cells for photonic applications
Kippenberg, Tobias Jan	Michael Gorodetsky	Exploring Temporal Solitons in Optical Micro-resonators for Visible and Mid IR based Optical Frequency combs
Koebel, Matthias	Natalia Menshutina	Advanced functional Silica aerogels and their related carbon composites: a combined experimental & numerical modelling study
Pollefeys, Marc	Victor Lempitsky	Efficient Object-Centric Detection, Indexing, and Spatiotemporal Analysis of Unstructured Dynamic Environments
Rachidi, Farhad	Nikolay Korovkin	Impact of experimentally-derived lightning waveforms on mechanical performance of composite structures
Vicario, Carlo	Andrey Vladimirovich Ovchinnikov	Ultrafast light modulator driven by strong and tunable THz field

Historical sciences; Social sciences, political sciences; Philology, study of art, study of literature

Co-funded with the Russian Foundation for Humanities (RFH)

Swiss main applicant	Russian main applicant	Title
Allisson, François	Danila E. Raskov	Redefining classical political economy: The Swiss and Russian economist and sociologist N. I. Sieber
Biersteker, Thomas	Marina M. Lebedeva	International Relations Studies and Education: A Comparative Analysis of Russian, Swiss, and Canadian Approaches
Fuchs, Michel E.	Jurij Alexkseevic Vinogradov	Ancient Painting from the Cimmerian Bosphorus. From drawing to photography
Furrer, Bettina	Alexander Sokolov	Participative Foresight for Smarter Cities

Huber, Stefan	Ivan Zabaev	Religion and patterns of social and economic organization. Elective affinity between religion and economy in Christian denominations in Switzerland and Russia
Inkova Manzotti, Olga	Anna Zalizniak	Corpus-based contrastive study of connectors in Russian
König, Reinhard	Dmitry Mouromtsev	Data analysis for understanding the impact of urban design on social performance of a city
Simonato, Elena	Marina Samarina	History of Swiss colonies in Crimea and Northern Black Sea coast: Linguistic and identity's approach
Tedeschi, Letizia	Yulya Klimenko	The architecture of "Moskovskij stil' Ampir" in the reconstruction of Moscow (1813-1843)
Tosato-Rigo, Danièle	Andreï Andreev	Educating Russia's Princes: Swiss enlightened tutors at the court of Catherine the Great

Systems biology and bioinformatics

Co-funded with the Russian Foundation for Basic Research (RFBR)

Swiss main applicant	Russian main applicant	Title
Aebersold, Rudolf	Evgeny Nikolaev	Development of systems biology and bioinformatics approaches for the study of protein post-translational modifications in health and disease with the focus on application to the pregnancy related disorders
Boyarkine, Oleg	Mikhail Gorshkov	Isoform-specific proteogenomics of cancer cell lines
Grossniklaus, Ueli	Vladimir Brukhin	Sequencing, assembly, and annotation of the highly heterozygous genome of the apomictic plant <i>Boechera divaricarpa</i>
Robinson-Rechavi, Marc	Mikhail Gelfand	Positive selection and horizontal gene transfer in prokaryotes
Zdobnov, Evgeny	Vadim Govorun	Understanding the virome's role in the spread of antibiotic resistance through meta-analysis of human microbiomes