

European Framework projects at the University of Bern (status 30 June 2026)



Horizon Europe

Abbreviations - Programme/Funder

EIC: European Institute of Innovation & Technology
EDCTP3: European & Developing Countries Clinical Trials Partnership 3
ERC: European Research Council
SERI: State Secretariat for Education, Research and Innovation
WIDERA: Widening Participation and Strengthening the European Research Area

MSCA: Marie Skłodowska-Curie Actions
- GF: Global Postdoctoral Fellowship
- DN: Doctoral Network
- DN-JD: Doctoral Network Joint Doctorate
- PF: Postdoctoral Fellowship

Abbreviations - Project Type

IA: Innovation Action
JU: Joint Undertaking
RIA: Research & Innovation Action

Pillar	UniBE Coordinator or single PI	Programme and Project Type	Faculty	Institutional Unit	Last Name (Fellow / Co-PI)	First Name (Fellow / Co-PI)	Acronym	Project Title
1 Excellent Science		ERC Synergy Grant	MED	Institut für Biochemie und Molekulare Medizin	Kukulski	Wanda	MitoContact	Mitochondrial Contact Site Functional Diversity Revealed by Molecular Memory, Smart Microscopy, and Correlative Cryo-EM Tomography
1 Excellent Science		ERC Synergy Grant	NAT	Departement für Chemie, Biochemie und Pharmazie	Arenz	Matthias	DEMI	Directed Evolution of Metastable Electrocatalyst Interfaces for Energy Conversion
1 Excellent Science		ERC Synergy Grant	NAT	Departement für Chemie, Biochemie und Pharmazie	Luciani	Paola	CARAMEL	Covalent Chaotropic Membrane Transport for Biotherapeutic Delivery
1 Excellent Science	x	ERC Consolidator Grant	NAT	Departement für Chemie, Biochemie und Pharmazie	Drozdovskaya	Maria	PSII	Planetary Systems from Interstellar Ingredients
1 Excellent Science	x	ERC Starting Grant	HIST	Fachbereich für Sozialanthropologie	Bluwstein	Jevgeniy	LeGo	Legal Governmentality - governing climate activism through criminal law and human rights in Europe
1 Excellent Science	x	ERC Starting Grant	MED	Institut für Infektionskrankheiten	Huwiler	Simona Gabriele	BAC-MUNITY	Unravelling bacterial immunity against predatory bacteria: the last line of defence
1 Excellent Science	x	ERC Starting Grant	NAT	Physikalisches Institut	Pöppelmeier	Frerk	BGCTip	Unraveling tipping dynamics of marine biogeochemistry from past climate transitions
1 Excellent Science	x	ERC Proof of Concept	MED	ARTORG Center for Biomedical Engineering Research	Ahmed	Daniel	UniADLP	Universal Acoustic Digital Light Processing 3D Printing
1 Excellent Science	x	ERC Proof of Concept	VET	Institut für Tierpathologie	Rottenberg	Sven	SAFE-LIVER	Metabolic Hepatoprotection to Enable Curative Cancer Therapy in Patients with Vulnerable Livers
1 Excellent Science		Infrastructure HE	MED	Institut für Physiologie	Petrovici Senn	Mihai Walter	EBRAINS 2.0	EBRAINS 2.0: A Research Infrastructure to Advance Neuroscience and Brain Health
1 Excellent Science		Infrastructure HE	NAT	Physikalisches Institut	Braccini	Saverio	RADNEXT 2030	Accelerators and other Research Infrastructures for Radiation Effects Research
1 Excellent Science		MSCA DN	HIST	Walter Benjamin Kolleg	Levon	Erez	HUM.AI.N_ACCENT	Bridging Communication Gaps in Human and Human-AI Interactions: The Role of Accented Speech on Neurocognitive Mechanisms and Social Dynamics
1 Excellent Science		MSCA DN	HUM	Institut für Sportwissenschaft	Hossner	Ernst-Joachim	TReND	Translational Research Network in Motor Disorder Rehabilitation: Advancing understanding of variability in motor control and rehabilitation
1 Excellent Science		MSCA DN	MED	ARTORG Center for Biomedical Engineering Research	Obrist von Tengg-Koblighk	Dominik Hendrik	ThromboRisk	From cells to systems: Pioneering multi-level thrombosis risk prediction models
1 Excellent Science		MSCA DN	MED	ARTORG Center for Biomedical Engineering Research	Reyes	Mauricio	TTRAIL	Trustworthy Radiotherapy with Artificial Intelligence
1 Excellent Science		MSCA DN	MED	Department for BioMedical Research	Rubin	Mark	Mac4Me	Macrophage Targets for Metastatic Treatment
1 Excellent Science		MSCA DN	MED	Institut für Anatomie	Mercader Huber	Nadia	Regenerate-IT	Learning from animals how to regenerate: multidisciplinary training programme in regenerative biology
1 Excellent Science		MSCA DN	MED	Institut für Gewebemedizin und Pathologie	Zlobec	Inti	MIRACLE	Multilevel inflammatory regulation in cardiometabolic disease
1 Excellent Science		MSCA DN	MED	Institut für Sozial- und Präventivmedizin	Vicedo-Cabrera	Ana	CLIMALAW	Bridging climate science and law for understanding climate litigation
1 Excellent Science		MSCA DN	MED	sitem-insel	Knopf	Antje-Christin	RAPTORplus	Right-time adaptive particle therapy of cancer - personalisation through anatomical plus biological adaptation

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1 Excellent Science		MSCA DN	MED	Theodor-Kocher-Institut	Engelhardt	Britta	GlycoAxis	Training the next generation of scientists on Gram-negative bacterial surface Glycans as molecular keys to decOde the gut-immune-brain Axis
1 Excellent Science		MSCA DN	MED	Universitätsinstitut für Diagnostische und Interventionelle Neuroradiologie	McKinley Wiest	Richard Ian Roland	BRIDGE-AI	Brain disease monitoring through the life span powered by artificial intelligence
1 Excellent Science		MSCA DN	MED	Universitätsklinik für Angiologie	Döring	Yvonne	LipidBRIGHT	Lipids as promising bridge between novel disease insights and improved therapy
1 Excellent Science		MSCA DN	MED	Universitätsklinik für Nuklearmedizin	Romiger	Axel	OncoProTools	Protease-guided tumor targeting tools to revolutionize cancer diagnosis and treatment
1 Excellent Science		MSCA DN	MED	Universitätsklinik für Nuklearmedizin	Shi	Kuangyu	PREFERENCE	Exploring Extended Field of View PET Precision Medicine
1 Excellent Science		MSCA DN	MED	Universitätsklinik für Viszerale Chirurgie und Medizin	Beldi	Guido	Tools4Teams	Research Training to Design and Implement Tools Supporting Safe Teamwork in Healthcare
1 Excellent Science		MSCA DN	NAT	Departement für Chemie, Biochemie und Pharmazie	Banerji	Natalie	FADOS	Fundamentals and Applications of Doped Organic Semiconductors
1 Excellent Science		MSCA DN	NAT	Departement für Chemie, Biochemie und Pharmazie	Paradisi	Francesca	MetRaZymes	Metal-containing Radical Enzymes
1 Excellent Science		MSCA DN	NAT	Institut für Geologie	Churakov	Sergey	CONTRABASS	Zero-CO2 cement through carbonation of calcium silicates and aluminates
1 Excellent Science		MSCA DN	NAT	Institut für Geologie	Rubatto Herwegh	Daniela Marco	TALENTS	The doctoral rift science network for the energy transition
1 Excellent Science		MSCA DN	NAT	Institut für Informatik	Panichella	Sebastiano	InnoGuard	Hybrid and Generative Intelligence for Trustworthy Autonomous Cyber-Physical Systems
1 Excellent Science		MSCA DN	RW	Kompetenzzentrum für Public Management	Radulescu	Doina	ENERPOL	Using smart contracts and policies to reduce energy-related risk and inequality among households
1 Excellent Science		MSCA DN-JD	NAT	Departement für Chemie, Biochemie und Pharmazie	Paradisi Buller	Francesca Rebecca	HaloVerse	Advancing Europe's Next Generations on the Path to Sustainability – Expanding the Universe of Enzymatic Halogenation Chemistry
1 Excellent Science		MSCA GF	HIST	Fachbereich Mittlerer Osten und muslimische Gesellschaften	Tolino <i>Bertuccelli</i>	Serena <i>Flavio</i>	IhaNeT	Identity, Nation and Treason in Turkish Concept of Authority
1 Excellent Science		MSCA GF	HIST	Historisches Institut, Alte Geschichte und Rezeptionsgeschichte der Antike	Rebenich <i>Tentori Montalto</i>	Stefan <i>Marco</i>	SCENIC	Supplementum Creticum: New Inscriptions from Crete.
1 Excellent Science		MSCA GF	HUM	Institut für Sportwissenschaft	Schmidt <i>Ciacconi</i>	Mirko <i>Simone</i>	HOPE	Hospital Schools' Guidelines on Physical Education: An International, Interdisciplinary and Intersectoral Endeavour
1 Excellent Science		MSCA GF	MED	Universitätspoliklinik für Endokrinologie, Diabetologie und Klinische Ernährung	García-Tirado <i>Furió-Noverjarque</i>	José <i>Clara</i>	T1SIA	Type 1 Diabetes Simulator with Adjunctive therapies - GLP1
1 Excellent Science		MSCA GF	NAT	Institut für Geologie	Mavromatis <i>Athanasiadou</i>	Vasileios <i>Dimitra</i>	MiKidSton	Deciphering mineralogical and compositional properties of kidney stones: Implications for formation mechanism and potential treatments
1 Excellent Science		MSCA GF	THEOL	Institut für Judaistik	Bloch <i>Dell'Acqua</i>	René <i>Antonio</i>	WaterDecor	Water for the People, Décor for the City: Nymphaea and Public Fountains in Iudaea/Syria-Palaestina and Provincia Arabia from the Roman until the Byzantine Periods (ca. 1st BCE-7th CE)
1 Excellent Science		MSCA GF	WISO	Departement Volkswirtschaftslehre	Letina <i>Schneider</i>	Igor <i>Johannes</i>	KnowEvolAndIdeasMkt	The Evolution of Knowledge in the Market of Ideas
1 Excellent Science	x	MSCA PF	HIST	Fachbereich Mittlerer Osten und muslimische Gesellschaften	Tolino <i>Magliozzi</i>	Serena <i>Aurora</i>	DEALit	Argumentation and Dialectics in Early Arabic Literary Disputes
1 Excellent Science	x	MSCA PF	HIST	Fachbereich für Sozialanthropologie	Leins <i>Seeger</i>	Stefan <i>Anna</i>	BLUFIN	Liquid Assets and 'Market Makers': Finance Professionals' Water Valuations and their Blue Ambitions
1 Excellent Science	x	MSCA PF	NAT	Geographisches Institut	Schurr <i>Scott</i>	Carolin <i>Amanda</i>	Gendered_Borders	Gendered Borders: Exploring Migrant Women's Experiences of Boat Crossings to the UK
1 Excellent Science	x	MSCA PF	NAT	Institut für Geologie	Mavromatis <i>Havas</i>	Vasileios <i>Robin</i>	TRANSITION	Improvement of Earth climate understanding from signatures of calcium and lithium isotopes in carbonates
1 Excellent Science	x	MSCA PF	NAT	Institut für Ökologie und Evolution	Peichel <i>Koch</i>	Catherine <i>Eva</i>	INV_ADAPT	Understanding evolutionary dynamics of chromosomal inversions in adaption: the interplay of gene flux and selection

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1 Excellent Science	x	MSCA PF	NAT	Institut für Pflanzenwissenschaften	Raissig <i>Delesalle</i>	Michael <i>Charlotte</i>	POLAR2M	Deciphering grass-specific mechanisms of cell polarization and asymmetric division during stomatal development
1 Excellent Science		MSCA Staff Exchange	MED	Institut für Gewebemedizin und Pathologie	Krebs	Philippe	CHIRON	The role of the non-canonical death receptor signalling in cancer and immune cells
1 Excellent Science		MSCA Staff Exchange	NAT	Physikalisches Institut	Weber	Michele	SENSE	Search for new physics and technological advancements from neutrino experiments at the high intensity frontier. A cooperative Europe - United States - Russia effort.
1 Excellent Science	x	SERI-funded ERC Advanced Grant*	MED	Theodor Kocher Institut	Engelhardt	Britta	CNS-IP	Understanding how the brain barriers orchestrate central nervous system immune privilege
1 Excellent Science	x	SERI-funded ERC Consolidator Grant*	NAT	Astronomisches Institut	Kleint	Lucia	ENERGETICS	Explaining the energetics of solar flares
1 Excellent Science	x	SERI-funded ERC Consolidator Grant*	NAT	Center for Space and Habitability	Demory	Brice-Olivier	SenseLife	Remote sensing of living organisms with full Stokes spectro-polarimetry
1 Excellent Science	x	SERI-funded ERC Consolidator Grant*	NAT	Institut für Pflanzenwissenschaften	Erb	Matthias	CANWAS	Canopy Waves - Herbivore-Induced Volatile Dynamics Across Multiple Plants
1 Excellent Science	x	SERI-funded ERC Consolidator Grant*	NAT	Physikalisches Institut	Kühn	Jonas Guillaume	RACE-GO	Rapid Active Coronagraphy of Exoplanets from a Ground Observatory
1 Excellent Science	x	SERI-funded ERC Starting Grant*	NAT	Historisches Institut	Huhtamaa	Heli	VolCOPE	Climate impact and human consequences of past volcanic eruptions
1 Excellent Science	x	SERI-funded ERC Starting Grant*	NAT	Institut für Geologie	Harrison	Anna	DryCO2	Mechanisms of gas-driven mineral weathering in a changing climate
1 Excellent Science	x	SERI-funded ERC Starting Grant*	NAT	Institut für Ökologie und Evolution	Fabre	Anne-Claire	META-MORPHOSIS	Identifying how life cycle variation drives biodiversity in changing environments over time and space
1 Excellent Science	x	SERI-funded ERC Starting Grant*	NAT	Institut für Ökologie und Evolution	Thakur	Madhav	FoBEx	Food webs and biodiversity change in an extreme world
1 Excellent Science	x	SERI-funded ERC Starting Grant*	NAT	Institut für Pflanzenwissenschaften	Delgado Manzanedo	Rubén	OpenRing	Forest biodiversity-stability relationships across spatiotemporal scales
1 Excellent Science	x	SERI-funded ERC Starting Grant*	NAT	Institut für Philosophie	Matheson	Benjamin	CoGS	Collective Guilt and Shame
1 Excellent Science	x	SERI-funded ERC Starting Grant*	NAT	Physikalisches Institut	Laufkötter	Charlotte	MOANA	Mechanistic model simulations of the marine biological carbon pump
2 Global Challenges		Cancer Mission / RIA	MED	Institut für Sozial- und Präventivmedizin	Spycher	Ben	ELI-ALL	Towards the Elimination of Acute Lymphoblastic Leukaemia in Children through Identification of their Environmental Causes
2 Global Challenges		Cancer Mission / RIA	MED	Institut für Sozial- und Präventivmedizin	Spycher	Ben	MIREYA	Multimodal data integration and AI-based research on environmental exposures in children and young adult cancers
2 Global Challenges		Cancer Mission / RIA	MED	Universitätsklinik für Frauenheilkunde	von Wolff	Michael	PredictAYA	Prediction and prevention of late effects in AYA cancer survivors – An effort to understand, predict and prevent late effects in AYAs 15-39 years of age, with a focus on fertility and gonadal toxicity
2 Global Challenges		Climate Mission / IA	NAT	Geographisches Institut	Brönnimann	Stefan	healthRiskADAPT	User-driven health risk assessment services and innovative adaptation options against threats from heatwaves, air pollution, wildfire emission and pollen
2 Global Challenges		Climate Mission / RIA	NAT	Geographisches Institut	Thieme	Susan	JustREACH	Just Climate Resilience through Enhanced Adaptation and Capacity Harnessing
2 Global Challenges		Cluster 1 Health / RIA	HUM	Institut für Psychologie	Berger	Thomas	ReConnected	A complex systems approach to promote resilience and connect vulnerable European citizens in the community in times of change
2 Global Challenges		Cluster 1 Health / RIA	HUM	Institut für Sportwissenschaft	Nigg	Claudio	GO GREEN NEXT	Promoting Future Health in Cities
2 Global Challenges		Cluster 1 Health / RIA	MED	ARTORG Center for Biomedical Engineering Research	Mougiakakou Inauen	Stavroula Jennifer	AIRIS	Mechanism-Informed Generative AI for Causal and Dynamical Modelling in Multimodal Biomedical Research
2 Global Challenges		Cluster 1 Health / RIA	MED	ARTORG Center for Biomedical Engineering Research	Mougiakakou	Stavroula	Better4U	Preventing obesity through biologically and behaviorally tailored interventions for you
2 Global Challenges		Cluster 1 Health / RIA	MED	ARTORG Center for Biomedical Engineering Research	Mougiakakou	Stravroula	MELISSA	Mobile Artificial Intelligence Solution for Diabetes Adaptive Care

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2 Global Challenges		Cluster 1 Health / RIA	MED	Berner Institut für Hausarztmedizin	Baggio	Stéphanie	SP-EU	Social prescribing to promote and improve access to health and care services for people in vulnerable situations in Europe
2 Global Challenges		Cluster 1 Health / RIA	MED	Berner Institut für Hausarztmedizin	Rodondi	Nicolas	BE-SAFE	Implementing a patient-centred and evidence-based intervention to reduce benzodiazepine and sedative-hypnotic use to improve patient safety and quality of care
2 Global Challenges		Cluster 1 Health / RIA	MED	Institut für Sozial- und Präventivmedizin	Low	Nicola	ESCAPE	Efficient and rapidly scalable EU-wide evidence-driven pandemic response plans through dynamic epidemic data synthesis
2 Global Challenges		Cluster 1 Health / RIA	MED	Universitätsklinik für Intensivmedizin	Faltys	Martin	IntelliLung	Intelligent Lung Support for Mechanically Ventilated Patients in the Intensive Care Unit
2 Global Challenges		Cluster 1 Health / RIA	RW	Kompetenzzentrum für Public Management	Blankart Morel	Rudolf Chantal	REPhRAME	Recurrent urinary tract infection: Efficacy and safety of phage therapy and microbiota transfer
2 Global Challenges		Cluster 2 Culture, Creativity, Inclusive Society / RIA	MED	Universitäres Psychiatrisches Zentrum	Kaess	Michael	SAMPO	Scalable Approach to Mental Illness Preventions Online
2 Global Challenges		Cluster 2 Culture, Creativity, Inclusive Society / RIA	WISO	Institut für Politikwissenschaft	Bias Amacker	Leandra Michèle	UNTWIST	Policy recommendations to regain feminist losers as mainstream voters
2 Global Challenges		Cluster 4 Digital, Industry, Space / IA	NAT	Center for Development and Enviroment	Adler	Carolina	SNOWCOP	Unlocking the full potential of Copernicus data and infrastructure to improve meltwater monitoring in the Andes
2 Global Challenges		Cluster 5 Climate, Energy Mobility / RIA	MED	Institut für Sozial- und Präventivmedizin	Vicedo-Cabrera	Ana	CLOSER	Close the Loop: Attributing complex climate disasters to climatic and to policy changes
2 Global Challenges		Cluster 5 Climate, Energy Mobility / RIA	NAT	Physikalisches Institut	Frölicher	Thomas	TipESM	Exploring Tipping Points and Their Impacts Using Earth System Models
2 Global Challenges		Cluster 5 Climate, Energy Mobility / RIA	NAT	Physikalisches Institut	Pöppelmeier	Frerk	P2F	Past to Future: Towards fully paleo-informed future climate projections
2 Global Challenges		Cluster 5 Climate, Energy Mobility / RIA	NAT	Physikalisches Institut	Stocker	Thomas	ClimTip	Climate Tipping Points: Uncertainty-aware quantification of Earth system tipping potential from observations and models and assessment of associated climatic, ecological, and socioeconomic impacts
2 Global Challenges		Cluster 6 Food, Bioeconomy, Agriculture, Enviroment / RIA	NAT	Institut für Pflanzenwissenschaften	Tadele	Zerihun	BOOSTER	Boosting drought tolerance in key cereals in the era of climate change
3 Innovative Europe		EIC Advanced Innovation Challenges	MED	ARTORG Center for Biomedical Engineering Research	Guenat	Olivier	VANTAGE	Vascularized Next-Generation Tumor-on-Chip for ADC Global Evaluation
3 Innovative Europe		EIC Pathfinder	MED	Institut für Anatomie	Mercader Huber Zuppinger	Nadia Christian	SONOCRAFT	High-throughput ultrasound-based volumetric 3D printing for tissue engineering
3 Innovative Europe		EIC Pathfinder	MED	Institut für Pharmakologie	von Gunten	Stephan	NUTRIMMUNE	Precision Nutrition to optimize immune response for metabolic health
3 Innovative Europe		EIC Pathfinder	NAT	Departement für Chemie, Biochemie und Pharmazie	Banerji Réhault	Natalie Julien	ICONIC	In-situ & operando organic electrochemical transistors monitored by non-destructive spectroscopies for organic cmos-like neuromorphic circuits
3 Innovative Europe		EIC Pathfinder	NAT	Institut für Angewandte Physik	Stefanov	André	ARTEMIS	Molecular materials for on-chip integrated quantum light sources
Euratom		Cofund	NAT	Institut für Geologie	Wersin Kiczka	Paul Mirjam	EURAD-2	European Partnership on Radioactive Waste Management - 2
European Partnerships		Global Health EDCTP3 JU / RIA	MED	Institut für Sozial- und Präventivmedizin	Low	Nicola	MBOTE-SK	Mpox Biology, Outcome, Transmission and Epidemiology Study in South Kivu
European Partnerships		Smart Networks and Services JU	NAT	Institut für Informatik	Braun	Torsten	6G-CLOUD	Service-oriented 6G network architecture for distributed, intelligent, and sustainable cloud-native communication systems
WIDERA		Reforming and Enhancing the European R&I System / RIA	VET	Veterinary Public Health Institute	Würbel	Hanno	iRISE	Improving Reproducibility In Science

*Successful projects submitted to the ERC and now receiving Swiss funding from SERI.

Horizon 2020

Abbreviations - Programme

ERC: European Research Council

Abbreviations - Project Type

CSA: Coordination & Support Action

RIA: Research & Innovation Action

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1 Excellent Science	x	ERC Advanced Grant	VET	Institut für Tierpathologie	Rottenberg	Sven	TETHER	Targeting the essentialome of radiotherapy-resistant cancer
1 Excellent Science	x	ERC Consolidator Grant	NAT	Physikalisches Institut	Ariga	Akitaka	FASERnu	Studying Neutrinos at the High Energy Frontier
1 Excellent Science	x	ERC Starting Grant	MED	Universitätsklinik für Viszerale Chirurgie und Medizin	Al Nabhani	Ziad	WePredict	Microbiota and immune responses at weaning predict the susceptibility to chronic inflammatory diseases in adulthood
3 Societal Challenges		Climate / CSA	NAT	Physikalisches Institut	Fischer	Hubertus	Beyond EPICA	Beyond EPICA Oldest Ice Core: 1,5 Myr of greenhouse gas - climate feedbacks
3 Societal Challenges		Food / RIA	NAT	Centre for Development and Environment	Bigalke Alaoui	Moritz Abdallah	MINAGRIS	Micro- and nano-plastics in agricultural soils: sources, environmental fate and impacts on ecosystem services and overall sustainability
3 Societal Challenges		Health / RIA	RW	Kompetenzzentrum für Public Management	Blankart	Rudolf	SCREEN4CARE	SCREEN4CARE Ecosystem for rare NMDs