UGA Université Grenoble Alpes

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Call for project - International Strategic Partnerships (ISP)

List of selected projects

Year	Project	Title	Project Investigator	Laboratory in France	Principal research Department	Secondary Research Department	Partner	Country
Strategic Partner								
2018	Codev4SmartPSS	Collaborative smart Product-Service System Development with suppliers	LE DAIN Marie-Anne	G-SCOP	PEM		Universidade Federal do Rio Grande do Sul (UFRGS)	Brazil
2019	OCA3S	Optimization-based Control of Aperiodically Sampled Saturated Systems	FIACCHINI Mirko	GIPSA-Lab	MSTIC		Universidade Federal do Rio Grande do Sul (UFRGS)	Brazil
2020	OCEAN	Organisation, Communication and Enhanced information technologies to prevent Accidents during Navigation	DOMINGUEZ-PERY Carine	CERAG	PSS		Universidade Federal do Rio Grande do Sul (UFRGS)	Brazil
2018	SEF_of_SMM	Surface Enhanced Fluorescence to read out spin states of Single-Molecule Magnets	BALESTRO Franck	NEEL	PEM		Karlsruhe Institute of Technology (KIT)	Germany
2018	ThermoFeSe	High-field phases of Fe-based superconductors	KLEIN Thierry	NEEL	PEM		Karlsruhe Institute of Technology (KIT)	Germany
2019	SIPED-BAT	Single-Ion Polymer Electrolytes for sustainable and safe high-energy Density BATteries	IOJOIU Cristina	LEPMI	PEM		Karlsruhe Institute of Technology (KIT)	Germany
2020	High2Relax	NMR investigations on paramagnetic relaxation enhancement of ultra-high spin clusters	KRÄMER Steffen	LNCMI	PEM	CBS	Karlsruhe Institute of Technology (KIT)	Germany
2018	DOMINO	Domain Wall Manipulation in Mn4N	ATTANÉ Jean-Philippe	SPINTEC	PEM		University of Tsukuba	Japan
2019	Extreme-QCD	Exploring the properties of QCD matter under extreme conditions	GUERNANE Rachid	LPSC	PAGE		University of Tsukuba	Japan
2019	DALE	Diamond Atomic Layer Etching	GHEERAERT Etienne	NEEL	PEM		University of Tsukuba	Japan
2020	SOBA	Spectroscopic characterisation of defects and dopants in BaSi2: a DFT/EPR approach	GAMBARELLI Serge	SyMMES	CBS	PEM	University of Tsukuba	Japan
2018	ECIS	Experimentally based computation of inter-cellular stress	CAPPELLO Giovanni	LIPhy	PEM	CBS	Universitat Politècnica de Catalunya (UPC)	Spain
2019	PIMPE	Physical complex Interactions and Multi-person Pose Estimation	ALAMEDA-PINEDA Xavier	LJK	MSTIC		Universitat Politècnica de Catalunya (UPC)	Spain
2020	SARAH	SAfe and Robust Autonomous veHicles	SENAME Olivier	GIPSA-lab	MSTIC		Universitat Politècnica de Catalunya (UPC)	Spain
2018	ISSEE	Initial Snow Sintering in Extreme Environments	PICARD Ghislain	IGE	PAGE		École polytechnique fédérale de Lausanne	Switzerland
2020	ECEB	Models, Methods and Tools for Global Life Cycle Analysis for Energy and Carbon Efficient Buildings: from Design to Every Day Supervision	WURTZ Frederic	G2Elab	PEM	SHS	Haute Ecole Spécialisée de Suisse Orientale (HES.SO)	Switzerland
2018	FlyRNAmet	Role of m6A RNA methylation in control of gene expression	FAUVARQUE Marie-Odile	BGE	CBS		Université de Genève (UNIGE)	Switzerland
2019	ExTrA-NIRPS	Searching for exo-Earths in the habitable-zones of M dwarfs with NIRPS and ExTrA	BONFILS Xavier	IPAG	PAGE		Université de Genève (UNIGE)	Switzerland

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2019	SUnsPOT	Signalling UVb to protect Photosynthesis	FINAZZI Giovanni	LPCV	CBS		Université de Genève (UNIGE)	Switzerland
2019	Bio-Bayes Predictions	Coupling Biological and Bayesian Predictive Models in Neurocognitive Speech Processing	DIARD Julien	LPNC	MSTIC	CBS	Université de Genève (UNIGE)	Switzerland
2020	Unilectin	Datamining for glycosciences : identification of lectins and prediction of specificity	IMBERTY ANNE	CERMAV	CBS		Université de Genève (UNIGE)	Switzerland
2020	5G Pix	A 5-billion-pixel detector for the High Luminosity Large Hadron Collider (CERN)	LEDROIT Fabienne	LPSC	PAGE		Université de Genève (UNIGE)	Switzerland
2018	Astro 3D EM	3D ultrastructural morphology of the astrocyte	PERNET GALLAY Karin	GIN	CBS		Université de Lausanne	Switzerland
2017	ELECTROPEARLS	Smart biocompatible conductive beads for energy conversion	COSNIER SERGE	DCM	CBS	PEM	National Taiwan University (NTU)	Taiwan
2019	STRATORS	SWEET STAR BLOCK COPOLYMER TRANSISTORS	OTSUKA Issei	CERMAV	PEM		National Taiwan University (NTU)	Taiwan
2019	ADSHA	Accounting for aseismic deformation in seismic hazard assessment: can permanent deformation be distinguished from elastic deformation?	PATHIER Erwan	ISTerre	PAGE		National Taiwan University (NTU)	Taiwan
2017	GOMORA	GOvernments' MOnitoRing of Social MediA and International Law	CHRISTAKIS Theodore	CESICE	PSS		Swansea University	UK
2017	ESSHOC	Extracting small signals from highly oscillating data : the sign problem in Condensed Matter Physics	HOLZMANN Markus	LPMMC	PEM	PAGE	Swansea University	UK
2017	Moving Together	Moving Together: Increasing Physical Activity in Older Adults and Children with a Technology-Based Intervention	CHALABAEV Aïna	SENS	SHS	CBS	Swansea University	UK
2017	UbBIO	Understanding novel protein-derived biopolymers to enable biomimetic devices	MARTIN Donald	TIMC-IMAG	CBS	PEM	Swansea University	UK
2017	MALT	Multiscale Modelling of Angiogenesis and Lymphangiogenesis: towards developing virtual tumour models	STEPHANOU Angélique	TIMC-IMAG	MSTIC	CBS	Swansea University	UK
2018	SAIS	Stability of Antarctic Ice Shelves : Implications in terms of sea level rise	LE MEUR Emmanuel	IGE	PAGE	PAGE	Swansea University	UK
2018	DETRAp	Differential equations in tropical and p-adic geometry	PULITA Andrea	Institut Fourier	MSTIC		Swansea University	UK
2018	Cvision4Mars	Development of computer vision methods for the analysis of multi-modal images of the Martian surface	DOUTÉ Sylvain	IPAG	PAGE	MSTIC	Swansea University	UK
2018	Mov-Cube	Solving the MOVement Rubik's Cube: uncovering intra and inter-specific movement strategies of large herbivores subjected to 6 major movement constraints	LOISON Anne	LECA	PAGE		Swansea University	UK
2018	PARENT-PREV	REDUCING PARENTAL BURNOUT: A MINDFULNESS AND COGNITIVE BEHAVIOUR THERAPY RANDOMIZED CONTROLLED TRIAL	GAUCHET Aurélie	LIP/PC2S	SHS		Swansea University	UK
2018	REDS	Remembering Disasters: Between Individual and Collective Memory	SOUCHAY Céline	LPNC	SHS	CBS	Swansea University	UK
2019	TransMet	Translating Metaphors: the Learner, the Translator and the Machine	ROSSI Caroline	ILCEA 4	SHS		Swansea University	UK
2019	Shop Read	Shape optimization problems and reaction diffusion equations	RUSS Emmanuel	Institut Fourier	MSTIC		Swansea University	UK

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2019	PaPreFuD	The Past, Present and Future role of Dispersal and life history traits in determining global biogeographic and biodiversity patterns	GALLIEN Laure	LECA	PAGE		Swansea University	UK
2019	BioMeDint	Novel Protein Interface to Improve Biocompatibility of Implantable Medical Devices	MARTIN Donald	TIMC-IMAG	CBS	PEM	Swansea University	UK
2020	QuantumLight	Novel light-emitting quantum dot devices via nanoparticle beam deposition into flexible polymer films	BARON Thierry	LTM	PEM		Swansea University	UK
2020	MeReThO	Computational and Mathematical Approaches to understand Cancer Cells Metabolism Reprogramming and consequences for Therapeutic Optimization	STEPHANOU Angélique	TIMC-IMAG	MSTIC		Swansea University	UK
2020	Liver Trauma	Traumatic liver injury in human body: Experimental study with computational modelling	CHAGNON Grégory	TIMC-IMAG	PEM		Swansea University	UK
2020	Deep|Bayes	Bayesian Deep Learning	ARBEL Julyan	LJK	MSTIC		University of Oxford	UK
2019	DESIGN	Open-air fabrication of oxide based cantilever gas sensors	MUÑOZ-ROJAS David	LMGP	PEM		University of Waterloo	USA
International Research Facility								
2020	MORPHEME	MorphO-genetic Response of PHotosymbiosis in ExtreMe Ecosystems	DECELLE Johan	LPCV	CBS		European Molecular Biology Laboratory (EMBL)	
2018	MORE-MAX	Magnetically-Ordered-Rare-Earth MAX phases	OUISSE Thierry	LMGP	PEM		European Synchrotron Radiation Facility (ESRF)	
2019	HFMHD	High Field Magnetohydrodynamic	DEBRAY François	LNCMI	PEM	PAGE	Grenoble High Magnetic Field Laboratory (GHMFL)	
2018	FIPPS	New physics opportunities for fission studies: a new setup at ILL	KESSEDJIAN Grégoire	LPSC	PAGE		Institut Laue-Langevin (ILL)	
2018	PhononThermal	Phonon lifetime and thermal transport in clathrates for thermoelectric applications	DE BOISSIEU Marc	SIMaP	PEM		Institut Laue-Langevin (ILL)	
2019	AMEM	Ab-initio calculations of the magnetic spectrum and the magneto-electric coupling in multiferroic materials	LEPETIT Marie-Bernadette	NEEL	PEM		Institut Laue-Langevin (ILL)	
2020	SESAME	From Self Association of Pure Components to Nano Segregation in Solutions: new Analytic and Decontamination Methods from UltraFlexible MicroEmulsions	PLAZANET Marie	LIPhy	PEM	CBS	Institut Laue-Langevin (ILL)	
International Laboratory								
2020	SAMIA	Spectroscopie d'Absorption de Molécules d'Intérêt Atmosphérique	CAMPARGUE Alain	LIPhy	PAGE	PEM	UMI Spectroscopie d'absorption de molécules d'intérêt atmosphérique et planétologique (SAMIA)	
2019	Qu-GREEN	ENERGetics of fault tolerant Quantum computing	AUFFEVES Alexia	NEEL	PEM	MSTIC	UMI MajuLab, Center for Quantum Technologies, National University of Singapore	

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Other target coutry								
2019	Nanozym	Multi-Functional nanoparticles for controlled enzyme delivery	CATTOEN Xavier	NEEL	PEM	CBS	Universidad de Buenos Aires	Argentina
2017	G4-WIRES	CONCEPTION ET ETUDES D'ASSEMBLAGES SUPRAMOLÉCULAIRES CONDUCTEURS À BASE D'ADN G-QUADRUPLEX CONTRAINT	DEFRANCQ Eric	DCM	CBS		Université catholique de Louvain la Neuve (UCL)	Belgium
2017	FATR	The fight against terrorist radicalization in the European Union	CHEVALLIER-GOVERS Constance	CESICE	PSS	SHS	Université Libre de Bruxelles (ULB)	Belgium
2020	NPIDP	Nouveau principe d'individualisation en droit pénal	FERRAND Jérôme	CERDAP2	PSS		Université Libre de Bruxelles (ULB)	Belgium
2020	GRANTH	Synthesis of Graphene Nanoribbons for Thermoelectric applications	AUMAITRE Cyril	SyMMES	PEM	CBS	Laval Université	Canada
2017	ChaperoninVsAmyloid	Chaperonin Interactions with Amyloidogenic and Aggregate-prone proteins	BOISBOUVIER Jerome	IBS	CBS	PEM	Heinrich-Heine-Universität Düsseldorf	Germany
2020	Apicolipid	Membrane Biogenesis in Apicomplexa parasites: Trafficking and recycling lipid sources for membrane remodelling as drug targets against malaria and toxoplasmosis	BOTTé Cyrille	IAB	CBS		International Center for Genetic Engineering and Biotechnology	India
2017	CogShop	Cohomology Operations on Groups from Simple Homotopies on Polytopes	ELBAZ-VINCENT Philippe	IF	MSTIC		National University of Ireland Galway (NUIG)	Irelande
2017	CLIMATHES	CLIMATe Health Effects in Sensitive populations	LEPEULE Johanna	IAB	CBS	PAGE	Ben-Gurion University of the Negev (BGU)	Israël
2018	DIPRA	Dérives informationnelles sur les plateformes numériques et pratiques de régulation en Afrique de l'Ouest francophone	NDIAYE El Hadji Malick	GRESEC	SHS	SHS	Université Gaston Berger - Saint-Louis du Sénégal	Sénégal
2020	FOCUS(E)	Sensory forms of children's urban experience. When ambiance comes into play	THOMAS Rachel	AAU	PSS	SHS	SYFACTE Laboratory	Tunisia
2017	DESYGN	Design of Electronic Energy System - Global Network	SCHANEN Jean-Luc	G2Elab	PEM	MSTIC	The University of Nottingham (UoN)	UK
2017	BIOinMECH	The Mechanics of bio-inspired processes: a multiscale study of multifunctional systems	SIBILLE Luc	3SR	PEM		Georgia Tech - Georgia Institute of Technology	USA
2018	CODESIGN - PhD	Common Places / Commoning Places. Imaginaries, Practices and Processes of the Urban Making of the Commons	KRZYWKOWSKI Isabelle	LITT&ArTS	SHS	PSS	Louisiana State University	USA
2018	O2activ	O2 activation by Mn- and Fe-based thiolate complexes for catalysis: Toward selective oxygenation or O2 reduction processes	DUBOC Carole	DCM	CBS		The University of Kansas	USA
2017	LENTCYT	Preclinical evaluation of cytokine-adjuvanted HIV lentivector DNA vaccine	CHEBLOUNE Yahia	PAVAL Lab	CBS		University of Louisiana at Lafayette	USA
2017	CHARTREUSE	HierarCHically Self-Assembled Block CopolymeR ElecTRolytE and LUmineScEnt Solar Concentrator Thin films: Encoding Performances in Smart Active Layers for next Generation Battery and Solar Cells	RANNOU Patrice	SYMMES	PEM	CBS	University of Pennsylvania (Upenn)	USA
2017	ClusTurb	Clustering and settling dynamics of inertial particles under turbulence	CARTELLIER Alain	LEGI	PEM		University of Washington	USA
2018	MARIUS	MAchine Learning & model-based Registration on Intraoperative UltraSound images of the brain	CHABANAS Matthieu	TIMC-IMAG	MSTIC		Vanderbilt University	USA
2019	SECURE	SECUring Lightweight Rfid tag with Elliptic curve cryptography	BEROULLE Vincent	LCIS	MSTIC	PEM	University of Engineering and Technology (VNU)	Vietnam