

HORIZON 2020 FUNDING AWARDED TO THE UNIVERSITY OF LUXEMBOURG

OUR PERFORMANCE SINCE THE LAUNCH OF HORIZON2020

Horizon 2020 (H2020) is the biggest Research and Innovation programme of the European Union ever with nearly 80 billion euros of funding available over seven years (2014 to 2020). It promises more breakthroughs, discoveries and world-firsts by taking great ideas from the lab to the market. For a research-centered and innovative university such as the University of Luxembourg, it is an important goal to be part of the H2020 community and to continue to successfully apply for these funding opportunities. Our performance since the launch of H2020 in 2014:

HORIZON 2020

44 approved grants (success rate: 15%) with a total budget of 157 million euros, thereof a University of Luxembourg share of 27.5 million euros

EUROPEAN RESEARCH COUNCIL GRANTS (ERC):

In total eight approved ERC grants (one under FP7 and 7 under H2020) with a total European Commission (EC) contribution of almost 13 million euros for the University of Luxembourg (success rate 25%). UL ERC Fellows:

- Prof. Stephane BORDAS (FP7) – ERC StG
- Prof. Josip GLAUDIC (H2020) – ERC StG
- Prof. Ines THIELE (H2020) – ERC StG
- Prof. Jan LAGERWALL (H2020) – ERC CoG
- Prof. Massimiliano ESPOSITO (H2020) – ERC CoG
- Prof. Alexandre TKATCHENKO (H2020) – ERC CoG
- Prof. Lionel BRIAND (H2020) – ERC AdG
- Prof. Björn OTTERSTEN (H2020) – ERC AdG

MARIE SKŁODOWSKA-CURIE ACTIONS

Eight approved grants with a total budget of 13.5 million euros, thereof a University of Luxembourg share of almost 2.1 million euro

OUR INSTRUMENTS OF SUCCESS

ERC SPECIFIC SUPPORT

- CV screening
- Institutional validation of candidates
- Targeted grant writing training
- Revision support by external consultants
- Pre-review by senior colleagues
- Interview training
- Mock panel training
- Support during contracting process

UNIVERSITY OF LUXEMBOURG RAPID INCENTIVE SCHEME (UL-RISE)

UL-RISE aims at supporting our researchers to write successful H2020 applications. 10.000 euros for a participant role or 20.000 euros for a coordinator role can be applied for per project proposal preparation:

- 50 UL-RISE applications approved out of 78 outlines evaluated
- Seven UL-RISE EC grants have been signed
- Success rate for projects supported by UL-RISE: more than 21%
- UL-RISE investment: 600 K euros

ADDITIONAL SUPPORTING MEASURES

- Organisation of info-sessions and trainings for H2020 applicants
- Providing internal guides on grant application, grant preparation and grant management
- Facilitating partner searches for H2020 via membership in EU networks
- Access to our H2020 page at the University's intranet
- Support during contracting process
- Organisation of internal kick off meetings with PIs granted H2020 projects
- Trouble shooting during the project life

A GLIMPSE INTO OUR RESEARCH FUNDED BY HORIZON 2020...

ERC CONSOLIDATOR GRANT: ARTIFICIAL MUSCLES FOR NEW TYPES OF ROBOTS

The “Consolidator Grant” by the European Research Council (ERC) has been awarded to Prof. Dr. Jan Lagerwall, an expert in liquid crystals and physicist at the University of Luxembourg. The grant is one of the most sought-after competitive research grants in Europe and supports highly promising young scientists. The grant will focus on investigating soft artificial “muscles” for new types of robots. Unlike hard industrial robots, these “soft” robots can interact directly with people and therefore provide valuable assistance in everyday situations. Still in its infancy, this discipline, which is known as “Soft Robotics”, is currently seen as a particularly promising area for the future.

RESEARCH AND INNOVATION ACTION: MAPPING MOBILITY OF YOUTH IN EUROPE

The MOVE (Mapping mobility – pathways, institutions and structural effects of youth mobility in Europe) analyses cross-border geographic mobility of young people aged between 18 and 29 years within the EU. It is a three-year project that started in May 2015. It is funded by the EU Horizon 2020 and coordinated by Prof. Dr. Ute Karl and her team at the university. The project was greatly facilitated by the “UL-Rapid Incentive Scheme

INTERNATIONAL TRAINING NETWORK: MEL-PLEX FOR PHDS IN SKIN CANCER RESEARCH



EU FUNDED TRAINING FOR YOUNG SCIENTISTS IN CANCER RESEARCH: THE PHD STUDENTS SÉBASTIEN DE LANDTSHEER AND MARCO ALBRECHT WITH PROF. DR. THOMAS SAUTER (FROM LEFT)

The MEL-PLEX project is an ITN coordinated by the RCSI Centre for Systems Medicine in Ireland. It employs 15 PhDs (two PhDs from the University of Luxembourg) through a highly interdisciplinary research training programme. The University of Luxembourg is one of seven partners in the MEL-PLEX project. European and international leaders in personalised melanoma therapy, melanoma systems biology and cancer systems medicine form the partners and beneficiaries from eleven countries. MEL-PLEX aims at understanding the network-level and multi-scale regulation of disease-relevant signalling in melanoma through a combination of quantitative biomedical and computational research approaches. The MEL-PLEX ITN addresses current needs in academia and the private sector for researchers that have been trained in an environment that spans across biology, medicine and mathematics.

LIST OF ACCEPTED HORIZON 2020 PROJECTS AT THE UNIVERSITY OF LUXEMBOURG*

Faculty/ IC	Responsible PI within UL	Acronym	Funding scheme	Role of UL
CCDH	Catherine Jones	CROSSCULT	IA	Partner
Central/Library	Marie-Pierre Pausch	OpenAIRE Advanced	RIA	Partner
Central / Gender	Toni Vandam / Christel Baltes-Löhr	Genderaction	CSA	Partner
Central/Library	Marie-Pierre Pausch-Antoine	OpenAIRE2020	RIA	Partner
FDEF	Angelo Marletta	ADCRIM	HERCULE-AG	Coordinator
FDEF	Katalin Ligeti	Jude-IT	DG Just	Partner
FLSHASE	Ute Karl	MOVE	RIA	Coordinator
FLSHASE	Claus Vogele/Sybille Petersen	CIP	MSCA-IF-EF-ST	Coordinator
FLSHASE	Deter Ferring	MinD	MSCA-RISE	Partner
FLSHASE	Birte Nienaber	RELOCAL	RIA	Partner
FLSHASE	Claus Vogele/Dimitri Van Ryckeghem	PainDynamics	MSCA-IF-EF-ST	Coordinator
FLSHASE	Birte Nienaber	CEASEVAL	RIA	Partner
FLSHASE	Birte Nienaber	LU EMN NCP	AMIF-AG	Coordinator
FSTC	Thomas Sauter	MEL-PLEX	MSCA-ITN-ETN	Partner
FSTC	Jean-Sébastien Coron	HEAT	RIA	Partner
FSTC	Tonie Van Dam	EGSIEM	RIA	Partner
FSTC	Susanne Siebentritt	Sharc25	RIA	Partner
FSTC	Ludger Wirtz	EJD-FunMat	MSCA-ITN-EJD	Partner
FSTC	Christoph Odenbreit	REDUCE	RFCS-2015	Partner
FSTC	Thomas Engel	EXCITING	CSA	Partner
FSTC	Stephane Bordas	Rainbow	MSCA-ITN-EJD	Partner
LCSB	Rudi Balling	SysMedPD	RIA	Coordinator
LCSB	Rejko Krüger	CENTRE-PD	CSA-TWINING	Coordinator
LCSB	Rudi Balling	Clinnova	CSA	Partner
LCSB	Reinhard Schneider	SYSCID	RIA	Partner
SnT	Thomas Engel	FLYSEC	RIA	Partner
SnT	Thomas Engel	PRIVACY FLAG	RIA	Partner
SnT	Thomas Engel	TARGET	RIA	Partner
SnT	Thomas Engel	F-Interop	RIA	Partner
SnT	Thomas Engel	Atena	IA	Partner
SnT	Djamila Aouada	STARR	RIA	Partner
SnT	Leon Van Der Torre	MIREL	MSCA-RISE	Coordinator
SnT	Yves Le Traon	bloTope	IA	Partner
SnT	Leon Van Der Torre / Livio Robaldo	ProLeMAS	MSCA-IF-EF-ST	Coordinator
SnT	Symeon Chatzinotas	SANSA	RIA	Partner
SnT	Thomas Engel	SAINT	RIA	Partner
SnT	Peter Ryan	FutureTPM	RIA	Partner

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*EXCLUDING ERC PROJECTS
DATA FROM END DECEMBER 2017