



MEDGENET

Medical Genomics and Epigenomics Network

H2020-TWINN-2015-692298

Database of Funding Opportunities

Part I. International funding

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Table 1. International and European funding schemes

Deadline		Funding Scheme	Funding Provider	Short description
Month	Date ¹			
Aug '16	1.8.2016	EHA research grants	European Hematology Association (EHA)	2-years long junior or advanced fellowships for clinical or non-clinical researchers in blood disorders.
	15.8.2016	Long-term Fellowships	EMBO	Individual grants for up to two years postdoctoral (eligible applicants max. 2 years after PhD) mobility in the field of molecular biology.
	25.8.2016	Postdoctoral Fellowship	Human Frontier Science Program (HFSP)	3 year postdoc fellowships for life science research; mobility required.
Sep '16	1.9.2016	H2020: ERC-AdG	European Commission	ERC Advanced Grants - prestigious grants supporting individual research group (leader more than 12 years after PhD).
	14.9.2016	H2020: MSCA-IF	European Commission	Individual Fellowships - individual grants supporting hiring of researchers from abroad (or returning) for up to 2 years.
	13.9.2016	H2020: SC-Food (table of topics below)	European Commission	Innovative, Sustainable and Inclusive Bioeconomy - Framework Partnership Agreement; SFS-18.
	14.9.2016	PIRE (Partnerships for International Research and Education)	National Science Foundation (NSF)	Collaborative projects with US institution that is the main applicant, eligible costs only for US researchers, Czechs apply for complementary financing from TAČR and MŠMT.
	20.9.2016	H2020: ES-Infrastructures (table of topics below)	European Commission	Collaborative projects supporting development and integration of European research infrastructures: EINFRA-21 (PPI).
	27.9.2016	H2020: FET PROACTIVE	European Commission	Future and Emerging Technologies; FETHPC-01.
	29.9.2016	H2020: MSCA-COFUND	European Commission	Co-funding mobility programmes for doctoral students, postdocs, and senior researchers.
Oct '16	1.10.2016	Long-term Fellowships	FEBS	One year fellowships for young postdocs (FEBS members only), can be prolonged to up to 3 years.

¹Were available

	4.10.2016	H2020: SC-Health (table of topics below)	European Commission	International Collaboration in the Field of Health - collaborative projects; two-stage: PM-02; PM-07; PM-08; PM-10.
	4.10.2016	H2020: ERC-PoC	European Commission	ERC Proof of Concept Grant - for PIs to verify the innovation potential of ideas arising from their ERC funded projects.
	27.10.2016	H2020: LEIT-NMBP (table of topics below)	European Commission	Nanomaterials, Advanced Material, Biotechnologies, and Production - collaborative projects; two-stage: NMBP-04, NMBP-05, NMBP-12, NMBP-14, NMBP-15, NMBP-20, NMBP-25, NMBP-28, BIOTEC-05, BIOTEC-06, BIOTEC-07.
	N/A	Pilot Study	Marsha Rivkin	One year long individual project for 75 000 USD, specific for ovarian cancer research only.
Nov '16	8.11.2016	H2020: LEIT-ICT (table of topics below)	European Commission	International Collaboration in the field of ICT - collaborative projects; one-stage: ICT-04; ICT-07; ICT-08; ICT-09; ICT-19.
	15.11.2016	H2020: WIDESPREAD-04	European Commission	Spreading Excellence and Widening Participating, Teaming - collaborative project; two stage.
Winter '17	N/A	H2020: ERC-CoG	European Commission	ERC Consolidator Grants - prestigious grants supporting individual research group (leader 7-12 years after PhD) Most probably next call will be in Winter 2017. No information is available yet.
	N/A	COST Actions	COST	International networks supporting networking only with the aim to coordinate research in specific area; entering into running COST Actions is possible anytime.
Jan '17	10.1.2017	H2020: MSCA-ITN	European Commission	International networks supporting hiring of PhD students, workshops, summer schools.
	17.1.2017	H2020: FET Open	European Commission	Future and Emerging Technologies - collaborative projects developing novel ideas for radically new technologies.
	19.1.2017	H2020: LEIT-NMBP (table of topics below)	European Commission	Nanomaterials, Advanced Material, Biotechnologies, and Production - collaborative projects; one-stage: BIOTEC-08; NMBP-16; NMBP-31; NMBP-34; NMBP-13.
	31.1.2017	H2020: SC-Health (table of topics below)	European Commission	International Collaboration in the Field of Health - collaborative projects; one-stage: PM-15.
	N/A	H2020: WWCR research grants	Worldwide Cancer Research Charity	1-3 years long individual grants for fundamental or translational research, up to 200 000 GBP.

Feb '17	12.2.2017	H2020: Long-term Fellowships	EMBO	Individual grants for up to two years postdoctoral (eligible applicants max. 2 years after PhD) mobility in the field of molecular biology.
	14.2.2017	H2020: SC-Food (table of topics below)	European Commission	Innovative, Sustainable and Inclusive Bioeconomy - collaborative projects; one-stage: SFS-04; SFS-05; SFS-13; SFS-22; SFS-35; SFS-36; SFS-43; SFS-48; RUR-05; RUR-10; RUR-12; RUR-15; BB-05; two-stage: SFS-07; SFS-08; SFS-10; SFS-15; SFS-16; SFS-17; SFS-20; SFS-21; SFS-27; SFS-28; SFS-29; SFS-30; SFS-32; SFS-34; SFS-39; SFS-40; SFS-46; SFS-47; RUR-02; RUR-03; RUR-09; RUR-13; RUR-16; BB-02; BB-03.
Spring '17	N/A	Interreg CZ - AT	European Regional Development Fund	1a) Enhancing R&I infrastructure and capacities to develop R&I excellence and promoting centres of competence, in particular, those of European interest, (1b) Promoting business investment in R&I, developing links and synergies between enterprises, research and development centres and the higher education sector, in particular
Mar '17	14.3.2017	H2020: SC-Health (table of topics below)	European Commission	International Collaboration in the Field of Health - collaborative projects; one-stage: PM-16; PM-17; PM-19.
	14.3.2017	H2020: LEIT-ICT (table of topics below)	European Commission	International Collaboration in the field of ICT - collaborative projects with Brazil; one-stage: EUB-01; EUB-02.
	29.3.2017	H2020: ES-Infrastructures (table of topics below)	European Commission	Collaborative projects supporting development and integration of European research infrastructures: INFRADEV-01; EINFRA-12; EINFRA-21 (RIA); INFRAINNOV-01.
	N/A	H2020: Challenge Grant	Marsha Rivkin	Individual projects for grand questions in ovarian cancer field, 2 years-long, 150 000 USD.
Apr '17	1.4.2016	Young Investigators	EMBO	Award for promising young (up to 40 years of age) group leaders in the field of molecular biology.
	5.4.2017	H2020: MSCA-RISE	European Commission	Research and Innovation Staff Exchange - collaborative projects supporting staff mobility.
	11.4.2017	H2020: SC-Health (table of topics below)	European Commission	International Collaboration in the Field of Health - collaborative projects; one-stage: HCO-03; HCO-07; HCO-08; PM-03; PM-20.
	15.4.2017	Installation Grants	EMBO	Awards supporting an establishment of new independent laboratories by excellent incoming researchers in the field of

				molecular biology (up to 5 years of funding).
	25.4.2017	H2020: LEIT-ICT (table of topics below)	European Commission	International Collaboration in the field of ICT - collaborative projects; one-stage: ICT-05; ICT-11; ICT-14; ICT-15; ICT-16; ICT-17; ICT-20; ICT-23; ICT-25; ICT-27; ICT-28; ICT-30; ICT-31; ICT-32; ICT-39.
May '17	4.5.2017	H2020: LEIT-NMBP (table of topics below)	European Commission	Nanomaterials, Advanced Material, Biotechnologies, and Production - collaborative projects; two-stage: NMBP-04; NMBP-05; NMBP-06; NMBP-07; NMBP-22; NMBP-25; NMBP-28; NMBP-29; NMBP-35; NMBP-12; NMBP-14; NMBP-15; NMBP-19; NMBP-20; BIOTEC-05; BIOTEC-06; BIOTEC-07.
Sep '17	14.9.2017	H2020: MSCA-IF	European Commission	Individual Fellowships - individual grants supporting hiring of researchers from abroad (or returning) for up to 2 years.
	27.9.2017	H2020: FET Open	European Commission	Future and Emerging Technologies - collaborative projects developing novel ideas for radically new technologies.
	28.9.2017	H2020: MSCA-COFUND	European Commission	Co-funding mobility programmes for doctoral students, postdocs, and senior researchers.

Table 2. Topics H2020: SC-Health

Code	Field/Topic	Page in Work programme	Deadline ²
	1.1 Understanding health, well-being and disease	7	
PM-02	New concepts in patient stratification	8	4.10.2016
PM-03	Diagnostic characterisation of rare diseases	9	11.4.2017
	1.2. Preventing disease	12	
PM-07	Promoting mental health and well-being in the young	17	4.10.2016
	1.3 Treating and managing diseases	18	

² Where available

PM-08	New therapies for rare diseases	19	4.10.2016
PM-10	Comparing the effectiveness of existing healthcare interventions in the adult population	21	4.10.2016
	1.4 Active ageing and self-management of health	23	
PM-15	Personalised coaching for well-being and care of people as they age	29	31.1.2017
	1.5 Methods and data	31	
PM-16	In-silico trials for developing and assessing biomedical products	31	14.3.2017
PM-17	Personalised computer models and in-silico systems for well-being	32	14.3.2017
PM-19	PPI for uptake of standards for the exchange of digitalised healthcare records	35	14.3.2017
PM-20	Development of new methods and measures for improved economic evaluation and efficiency measures in the health sector	36	11.4.2017
	Coordination activities	38	
HCO-03	Implementing the Strategic Research Agenda on Personalised Medicine	41	11.4.2017
HCO-07	Global Alliance for Chronic Diseases (GACD)	47	11.4.2017
HCO-08	Actions to bridge the divide in European health research and innovation	47	11.4.2017
	Fast Track to Innovation Pilot	66	
	SME instrument	67	
SMEInst-05	Supporting innovative SMEs in the healthcare biotechnology sector	67	
SMEInst-06	Accelerating market introduction of ICT solutions for Health, Well-Being and Ageing Well	70	

Table 3. Topics H2020: SC-Food

Code	Field/Topic	Page in Work programme	Deadline ³
	Call - Sustainable Food Security – Resilient and resource-efficient value chains	17	
	More resilient and resource efficient value chains	18	

³ Where available

SFS-04-2017	New partnerships and tools to enhance European capacities for in-situ conservation	22	14.2.2017
SFS-05-2017	Robotics Advances for Precision Farming	23	14.2.2017
SFS-08-2017	Organic inputs – contentious inputs in organic farming	28	14.2.2017
SFS-10-2017	Research and approaches for emerging diseases in plants and terrestrial livestock	30	14.2.2017
SFS-13-2017	Validation of diagnostic tools for animal and plant health	34	14.2.2017
SFS-16-2017	Bee health and sustainable pollination	38	14.2.2017
SFS-17-2017	Innovations in plant protection	39	14.2.2017
SFS-18-2016	Framework Partnership Agreement supporting Joint Actions towards Public-Public Partnerships in the Bioeconomy	40	13.9.2016
SFS-20-2017	Towards a science-based regionalisation of the Common Fisheries Policy	45	14.2.2017
SFS-21-2016/2017	Advancing basic biological knowledge and improving management tools for commercially important fish and other seafood species	46	14.2.2017
SFS-22-2017	Smart fisheries technologies for an efficient, compliant and environmentally friendly fishing sector	48	14.2.2017
	Environment-smart and climate-smart primary production	53	
SFS-27-2017	Permanent grassland – farming systems and policies	55	14.2.2017
SFS-28-2017	Functional biodiversity – productivity gains through functional biodiversity: effective interplay of crop pollinators and pest predators	57	14.2.2017
SFS-29-2017	Socio-eco-economics – socio-economics in ecological approaches	58	14.2.2017
SFS-30-2017	Closing loops at farm and regional levels to mitigate GHG emissions and environmental contamination - focus on carbon, nitrogen and phosphorus cycling in agro-ecosystems	59	14.2.2017
SFS-32-2017	Promoting and supporting the eco-intensification of aquaculture production systems: inland (including fresh water), coastal zone, and offshore	62	14.2.2017
	A competitive food industry	63	
SFS-34-2017	Innovative agri-food chains: unlocking the potential for competitiveness and sustainability	65	14.2.2017
SFS-35-2017	Innovative solutions for sustainable food packaging	66	14.2.2017
	Healthy and safe foods and diets for all	68	
SFS-36-2017	Co-fund on "One Health" (zoonoses – emerging threats)	68	14.2.2017
SFS-39-2017	How to tackle the childhood obesity epidemic?	72	14.2.2017
SFS-40-2017	Sweeteners and sweetness enhancers	74	14.2.2017

	Support to the Implementation of the EU-Africa Partnership on Food and Nutrition Security and Sustainable Agriculture	75	
SFS-43-2017	Earth observation services for the monitoring of agricultural production in Africa	79	14.2.2017
	Implementation of the EU-China FAB Flagship initiative	81	
SFS-46-2017	Alternative production system to address anti-microbial drug usage, animal welfare and the impact on health	84	14.2.2017
SFS-47-2017	Management of soil water resources in the EU and China and its impact on agro-ecosystem functions	85	14.2.2017
SFS-48-2017	Resource-efficient urban agriculture for multiple benefits – contribution to the EU-China Urbanisation Partnership	86	14.2.2017
	Call - Rural Renaissance - Fostering innovation and business opportunities	123	
	New approaches towards policies and governance	124	
RUR-02-2017	Coastal-rural interactions: Enhancing synergies between land and sea-based activities	126	14.2.2017
RUR-03-2017	Towards 2030 - policies and decision tools for an integrated management of natural resources	128	14.2.2017
RUR-05-2017	Novel public policies, business models and mechanisms for the sustainable supply of and payment for forest ecosystem services	131	14.2.2017
	New value chains and business models	132	
RUR-09-2017	Business models for modern rural economies	137	14.2.2017
	Innovation and skill development	139	
RUR-12-2017	Networking European farms to boost thematic knowledge exchanges and close the innovation gap	143	14.2.2017
RUR-13-2017	Building a future science and education system fit to deliver to practice	145	14.2.2017
RUR-15-2017	The benefits of working with others – fostering social capital in the farming sector	150	14.2.2017
RUR-16-2017	Optimising interactive innovation project approaches and the delivery of EU policies to speed up innovation in rural areas	151	14.2.2017
	Call - Bio-based innovation for sustainable goods and services - Supporting the development of a European Bioeconomy	157	
	Securing sustainable biomass supply for bio-based goods and services	158	
BB-02-2017	Towards a method for the collection of statistical data on bio-based industries and bio-based products	160	14.2.2017
BB-03-2017	Adaptive tree breeding strategies and tools for forest production systems resilient to climate change and natural disturbances	161	14.2.2017
	Cross-reference to the Rural Renaissance Call	163	

	Building the "bio-based markets of the future"- mobilising stakeholders engagement	164	
BB-05-2017	Bio-based products: Mobilisation and mutual learning action plan	164	14.2.2017
	SME instrument	169	
	Fast Track To Innovation - Pilot	171	

Table 4.Topics H2020: LEIT-NMBP

Code	Field/Topic	Page in Work programme	Deadline ⁴
	CALL FOR NANOTECHNOLOGIES, ADVANCED MATERIALS, BIOTECHNOLOGY AND PRODUCTION	27	
	ADVANCED MATERIALS AND NANOTECHNOLOGIES FOR HIGH ADDED VALUE PRODUCTS AND PROCESS INDUSTRIES	27	
NMBP-04-2017	Architected /Advanced material concepts for intelligent bulk material structures	32	4.5.2017
NMBP-05-2017	Advanced materials and innovative design for improved functionality and aesthetics in high added value consumer goods	33	4.5.2017
NMBP-06-2017	Improved material durability in buildings and infrastructures, including offshore	35	4.5.2017
NMBP-07-2017	Systems of materials characterisation for model, product and process optimisation	37	4.5.2017
	ADVANCED MATERIALS AND NANOTECHNOLOGIES FOR HEALTHCARE	42	
NMBP-12-2017	Development of a reliable methodology for better risk management of engineered biomaterials in Advanced Therapy Medicinal Products and/or Medical Devices	47	4.5.2017
NMBP-13-2017	Cross-cutting KETs for diagnostics at the point-of-care	48	19.1.2017
NMBP-14-2017	Regulatory Science Framework for assessment of risk benefit ratio of Nanomedicines and Biomaterials	50	4.5.2017
NMBP-15-2017	Nanotechnologies for imaging cellular transplants and regenerative processes in vivo	52	4.5.2017
NMBP-16-2017	Mobilising the European nano-biomedical ecosystem	53	19.1.2017
	ADVANCED MATERIALS AND NANOTECHNOLOGIES FOR ENERGY APPLICATIONS	54	

⁴ Where available

NMBP-19-2017	Cost-effective materials for “power-to-chemical” technologies	57	4.5.2017
NMBP-20-2017	High-performance materials for optimizing carbon dioxide capture	58	4.5.2017
	ECO-DESIGN AND NEW SUSTAINABLE BUSINESS MODELS	60	
NMBP-22-2017	Business models and industrial strategies supporting novel supply chains for innovative product-services	61	4.5.2017
	BIOTECHNOLOGY	63	
BIOTEC-05-2017	Microbial platforms for CO2-reuse processes in the low-carbon economy	70	4.5.2017
BIOTEC-06-2017	Optimisation of biocatalysis and downstream processing for the sustainable production of high value-added platform chemicals	71	4.5.2017
BIOTEC-07-2017	New Plant Breeding Techniques (NPBT) in molecular farming: Multipurpose crops for industrial bioproducts	72	4.5.2017
BIOTEC-08-2017	Support for enhancing and demonstrating the impact of KET Biotechnology projects	74	19.1.2017
	MODELLING FOR THE DEVELOPMENT OF NANOTECHNOLOGIES AND ADVANCED MATERIALS	75	
NMBP-25-2017	Next generation system integrating tangible and intangible materials model components to support innovation in industry	79	4.5.2017
	SCIENCE-BASED RISK ASSESSMENT AND MANAGEMENT OF NANOTECHNOLOGIES, ADVANCED MATERIALS AND BIOTECHNOLOGIES	81	
NMBP-28-2017	Framework and strategies for nanomaterial characterisation, classification, grouping and read-across for risk analysis	85	4.5.2017
NMBP-29-2017	Advanced and realistic models and assays for nanomaterial hazard assessment	86	4.5.2017
	INNOVATIVE AND RESPONSIBLE GOVERNANCE OF NEW AND CONVERGING ENABLING TECHNOLOGIES	88	
NMBP-31-2017	Presidency events	91	19.1.2017
NMBP-34-2017	Governing innovation of nanotechnology through enhanced societal engagement	95	19.1.2017
NMBP-35-2017	Innovative solutions for the conservation of 20th century cultural heritage	96	4.5.2017

Table 5. Topics H2020: LEIT-ICT

Code	Field/Topic	Page in Work programme	Deadline ⁵
	Call - Information and Communication Technologies Call	7	
	A new generation of components and systems	7	
ICT-04-2017	Smart Anything Everywhere Initiative	13	8.11.2016
	Advanced Computing and Cloud Computing	16	
ICT-05-2017	Customised and low energy computing	17	25.4.2017
	Future Internet	21	
ICT-07-2017	5G PPP Research and Validation of critical technologies and systems	21	8.11.2016
ICT-08-2017	5G PPP Convergent Technologies	27	8.11.2016
ICT-09-2017	Networking research beyond 5G	29	8.11.2016
ICT-11-2017	Collective Awareness Platforms for Sustainability and Social Innovation	32	25.4.2017
	Content	39	
ICT-16-2017	Big data PPP: research addressing main technology challenges of the data economy	43	25.4.2017
ICT-19-2017	Media and content convergence	48	8.11.2016
ICT-20-2017	Tools for smart digital content in the creative industries	50	25.4.2017
ICT-23-2017	Interfaces for accessibility	55	25.4.2017
	Robotics and Autonomous Systems	57	
ICT-27-2017	System abilities, SME & benchmarking actions, safety certification	64	25.4.2017
ICT-28-2017	Robotics Competition, coordination and support	68	25.4.2017
	ICT Key Enabling Technologies	71	
ICT-30-2017	Photonics KET 2017	76	25.4.2017
ICT-31-2017	Micro- and nanoelectronics technologies	80	25.4.2017
	Innovation and Entrepreneurship support	83	

⁵ Where available

ICT-32-2017	Startup Europe for Growth and Innovation Radar	83	25.4.2017
ICT-33-2017	Innovation procurement networks	86	25.4.2017
	Call - EU-Brazil Joint Call	115	
EUB-01-2017	Cloud Computing	115	14.3.2017
EUB-02-2017	IoT Pilots	116	14.3.2017

Table 6. Topics H2020: ES-Infrastructures

Code	Call/Topic	Page in Work programme	Deadline ⁶
	Call - Development and long-term sustainability of new pan-European research infrastructures	6	
INFRADEV-01-2017	Design Studies	6	29.3.2017
	Call - Integrating and opening research infrastructures of European interest	14	
INFRAIA-01-2016-2017	Biological and Medical Sciences: Facilities for high throughput DNA sequencing; Vaccine infrastructures; Experimental facilities for animal disease and infectiology (including zoonoses); Centres for replacement, reduction and refinement (3 Rs) of non-human primate testing; Facilities and resources for plant phenotyping; Marine biological stations; Research Infrastructures for the control of vector-borne diseases Energy: Research Infrastructures for research on biomass conversion and biorefinery; Research Infrastructures for offshore renewable energy		
	Environmental and Earth Sciences: Research infrastructures for terrestrial research in the Arctic; Research Infrastructures for earthquake hazard; Mesocosms facilities for research on marine and freshwater ecosystems; Atmospheric simulation chambers; Research infrastructures for forest ecosystem and resources research; Sites, experimental platforms and data collections of anthropogenic impacts for ecosystem functioning and biodiversity research; Multidisciplinary Marine Data Centres for ocean and marine data management		
	Mathematics and ICT: Integrating activity for facilitating access to HPC (High Performance Computing) centers		

⁶ Where available

	Material Sciences and Analytical facilities: Research Infrastructures for advanced spectroscopy, scattering/ diffraction and imaging of materials; Synchrotron radiation sources and Free Electron Lasers; Facilities for research on materials under extreme magnetic conditions; Infrastructures for Neutron Scattering and Muon Spectroscopy		
	Physical Sciences: Research Infrastructures for advanced radio astronomy; Research Infrastructures for optical/IR astronomy; Research Infrastructures for hadron physics; Particle Accelerators		
	Social Sciences and Humanities: Access to European Social Science Data Archives and Official Statistics; Research infrastructures for the study of poverty, working life and living conditions		
	Call - E-Infrastructures	29	
EINFRA-12-2017	Data and Distributed Computing e-infrastructures for Open Science	33	29.3.2017
EINFRA-21-2017	Platform-driven e-infrastructure innovation	36	20.9.2016
	Call - Fostering the innovation potential of Research Infrastructures	46	
INFRAINNOV-01-2017	Fostering co-innovation for future detection and imaging technologies	46	29.3.2017
	Call - Support to policy and international cooperation	52	
INFRASUPP-02-2017	Policy and international cooperation measures for research infrastructures	54	29.3.2017