

FLAG-ERA Joint Transnational Call (JTC) 2017

List of projects recommended for funding

The projects listed below are recommended for funding to the national research funding organisations by the FLAG-ERA JTC 2017 Call Steering Committee.

Important: The actual funding of the projects depends on the successful completion of the final funding decisions and contract negotiations at the national level.

List of projects recommended for funding for the HBP topic (alphabetic order)

Acronym and title	Coordinator	Countries in partnership (bold = coordinating country, italics = without JTC funding)
Brainsynch-Hit The influence of directional interactions in brain networks in predicting cognitive deficits post-stroke	Maurizio Corbetta University of Padua	IT , FR, <i>NL</i>
CAUSALTOMICS Causal connectomics subtending oscillatory spread and information flow in the human brain	Antoni Valero-Cabré Institut du cerveau et de la moelle	FR , ES, RO
CORTICITY Comparative Investigation of the Cortical Circuits in Mouse, NHP and Human	Henry Kennedy Institut Cellule Souche et Cerveau (SBRI)	FR , <i>DE</i> , ES, <i>US</i> , RO
HIPPOPLAST How rigid and plastic circuits contribute to hippocampal function	Rosa Cossart Institut de Neurobiologie de la Méditerranée	FR , ES, HU
MAC-Brain Developing a Multi-scale account of Attentional Control as the constraining interface between vision and action: A cross-species investigation of relevant neural circuits in the human and macaque Brain.	Leonardo Chelazzi University of Verona	IT , BE, FR
SCALES Studying Cognitive Activity at two Levels with Simultaneous depth and surface recordings	Christian Bénar Aix-Marseille Université	FR , RO, <i>CH</i>

List of projects recommended for funding for the Graphene, Basic Research topic (alphabetic order)

Acronym and title	Coordinator	Countries in partnership (bold: coordinating country, italics: without JTC funding)
2D-SbGe Preparation and characterization of antimonene and germanium nanolayers	Felix Zamora Universidad Autonoma de Madrid	ES , DE, SI
CERANEA Multifunctional Ceramic/Graphene Coatings for New Emerging Applications	Csaba Balazsi Hungarian Academy of Sciences, Centre for Energy Research	HU , DE, SK
GATES nanoporous GrAphene membrane made without TransfEr for gas Separation	Laurent Ducimetiere Pfeiffer Vacuum SAS	FR , ES, GR
GRANSPORT Correlations and defects in graphene and related materials: Charge and heat transport	Mikhail Katsnelson Radboud University	NL , DE, FR, SE
GraSage Modelling of the electrical and thermal transport mechanisms in graphene nano-modified polymer compounds and fibres	Gunnar Seide Maastricht University / Aachen-Maastricht Institute for Biobased Materials	NL , DE, BE, ES
H2O Heterostructures of 2D Materials and Organic Semiconductor Nanolayers	Andrey Turchanin Friedrich Schiller University Jena	DE , NL, SE
LaMeS Layered Structures of Metal Sulfides	Tomas Nyberg Uppsala University	SE , DE, FR
MECHANIC Modelling Charge and Heat Transport in 2D-materials based Composites	Andreas Isacson Chalmers University of Technology	SE , BE, ES, <i>IT</i> , TR
MORE-MXenes Magnetically Ordered Rare Earth 2D MXenes	Thierry Ouisse Laboratoire des Matériaux et du Génie Physique	FR , BE, SE
MX-OSMOPED MXene-organic semiconductor blends for high-mobility printed organic electronic devices	Gvido Bratina University of Nova Gorica	SI , DE, BE, FR
SIMPLANT Synthesis of few layered transition metal dichalcogenides by ion implantation	Didier Pribat Laboratoire de physique des interfaces et des couches minces	FR , DE, BE
TopoGraph Engineering topological superconductivity in graphene	Peter Makk Budapest University of Technology and Economics, Dept. of Physics	HU , ES, NL

List of projects recommended for funding for the Graphene, Applied Research and Innovation topic (alphabetic order)

Acronym and title	Coordinator	Countries in partnership (bold = coordinating country, italics = without JTC funding)
<p>CO2-DETECT Waveguide-Integrated Mid-Infrared Graphene Detectors for Optical Gas Sensor Systems</p>	<p>Frank Niklaus KTH Royal Institute of Technology</p>	<p>SE, DE, ES</p>
<p>EPIGRAPH GRAPHene biomolecular and electrophysiological sensors integrated in an “all-in-one device” for the prediction and control of EPileptic seizures (towards a general device for most brain disorders)</p>	<p>Daniel Simon Linköping University</p>	<p>SE, FR, GR</p>
<p>GRAFIN GRAphene-based Flexible neural Interfaces for the control of Neuroprosthetic devices</p>	<p>Xavier Navarro Universitat Autònoma de Barcelona</p>	<p>ES, FR, SE, TR</p>
<p>GRAPH-EYE In situ, non-invasive quality control of crystalline quality of GRMs via non-linear optical properties imaging</p>	<p>Emmanuel Stratakis Foundation for Research and Technology Hellas</p>	<p>GR, BE, UK</p>
<p>MELoDICA Disclosing the potential of transition metal dichalcogenides for thermoelectric applications through nanostructuring and confinement</p>	<p>Ilaria Pallecchi Consiglio Nazionale delle Ricerche, Istituto SPIN</p>	<p>IT, BE, GR, RO</p>