

**FLAG-ERA JTC 2019 Graphene topic:  
Related Divisions and Work Packages per JTC research area**

The present document is provided to facilitate contacts with the Graphene Flagship. The table is indicative and appropriate contacts may depend on each specific proposal.

	Division 1 Enabling Science and Materials			Division 2 Health, Medicine and Sensors			Division 3 Electronics and Photonics Integration				Division 4 Large-Scale Technologies				
	WP1 Enabling Research	WP2 Spintronics	WP3 Enabling Materials	WP4 Health and Environment	WP5 Biomedical Technologies	WP6 Sensors	WP7 Electronic Devices	WP8 Photonics and Optoelectronics	WP9 Flexible Electronics	WP10 Wafer-Scale System Integration	WP11 Energy Generation	WP12 Energy Storage	WP13 Functional Foams and Coatings	WP14 Polymer Composites	WP15 Production
1 Synthesis and characterization of layered materials beyond graphene	X														
2 Graphene and related materials (GRMs) for Quantum Technologies	X							X							
3 Optimized GRM-based tunnel barriers for efficient spin injection and detection into graphene under		X													
4 Spin torque and layered-materials-based memory building block		X								X					
5 Synthesis of monolayers of non-layered compounds			X												
6 Bacterial degradation of GRMs				X											
7 Osteoinductivity and immunisation capacity of GRMs				X	X										
8 Soft graphene-based materials for tissue engineering				X	X							X	X		
9 GRM-based large-area light emitters and arrays								X							
10 Low temperature growth of layered semiconductors for flexible applications									X						
11 Nanofluidics based on GRMs	X									X					
12 CVD growth of graphene on insulators			X												
13 Sensors from GRMs and their heterostructures						X									
14 Passive components for radio frequency electronics based on GRMs							X								
15 Infrared photodetectors based on GRMs and their heterostructures								X							
16 LIDAR based on GRMs for autonomous vehicles								X							
17 Moore's law continued through GRMs										X					
18 GRM-based tandem solar modules										X					
19 Graphene-based cathode materials for Li-ion batteries											X				
20 Re-usable templates for graphene production															X

**Division and Work Package leaders and deputies with email addresses**

Division	Leaders and Deputies (Emails)	Work Packages	Leaders and Deputies (Emails)
Division 1 - Enabling Science and Materials	Vladimir Falko (vladimir.falko@manchester.ac.uk) Alberto Morpurgo (alberto.morpurgo@unige.ch)	WP1 - Enabling Research	Vladimir Falko (vladimir.falko@manchester.ac.uk); Alberto Morpurgo (alberto.morpurgo@unige.ch)
		WP2 - Spintronics	Kevin Garello (kevin.garello@imec.be); Stephan Roche (sroche@icn.cat)
		WP3 - Enabling Materials	Mar Garcia Hernandez (cipreses29@gmail.com); Jonathan Coleman (colemaj@tcd.ie)
Division 2 - Health, Medicine and Sensors	Kostas Kostarelos (kostas.kostarelos@manchester.ac.uk) Maurizio Prato (prato@units.it)	WP4 - Health and Environment	Maurizio Prato (prato@units.it); Alberto Bianco (a.bianco@ibmc-cnrs.unistra.fr)
		WP5 - Biomedical Technologies	Kostas Kostarelos (kostas.kostarelos@manchester.ac.uk); Jose Garrido (joseantonio.garrido@icn2.cat)
		WP6 - Sensors	Peter Steeneken (p.g.steeneken@tudelft.nl); Sanna Arpiainen (sanna.arpiainen@vtt.fi)
		WP7 - Electronic Devices	Daniel Neumaier (neumaier@amo.de); Herbert Zirath (herbert.zirath@chalmers.se)
Division 3 - Electronics and Photonics Integration	Daniel Neumaier (neumaier@amo.de) Henrik Sandberg (henrik.sandberg@vtt.fi)	WP8 - Photonics and Optoelectronics	Frank Koppens (frank.koppens@icfo.es); Andrea C. Ferrari (acf26@eng.cam.ac.uk)
		WP9 - Flexible Electronics	Henrik Sandberg (henrik.sandberg@vtt.fi); Matteo Bruna (matteo.bruna@nokia.com)
		WP10 - Wafer-Scale System Integration	Marco Romagnoli (mromagnoli@cnit.it); Cedric Huyghebaert (cedric.huyghebaert@imec.be)
		WP11 - Energy Generation	Gerard Gebel (gerard.gebel@cea.fr); Emmanuel Kymakis (kymakis@staff.teicrete.gr)
Division 4 - Energy, Composites and Production	Vittorio Pellegrini (vittorio.pellegrini@iit.it) Xinliang Feng (xinliang.feng@tu-dresden.de)	WP12 - Energy Storage	Vittorio Pellegrini (vittorio.pellegrini@iit.it); Teofilo Rojo (trojo@cicenergigune.com)
		WP13 - Functional Foams and Coatings	Xinliang Feng (xinliang.feng@tu-dresden.de); Paolo Samori (samori@unistra.fr)
		WP14 - Composites	Costas Galiotis (c.galiotis@iceht.forth.gr); Ian Kinloch (ian.kinloch@manchester.ac.uk)
		WP15 - Production	Alex Jouvray (a.jouvray@aixtron.com); Tamara Blanco (tamara.blanco@airbus.com)