

Graphene Week Matchmaking Profiles: ERC Synergy Grants, Other funding opportunities

Prepare for our EU Funding Opportunities Matchmaking Session by exploring the statements of interest below. In this document, you will find the submitted statements of interest for the matchmaking session.

Participants without a detailed statement

The following participants submitted a blank or N/A statement. Their details are listed below.

Participant	Affiliation	Country	Participation interest
Tom Badcock	Paragraf	United Kingdom	I am curious about relevant EU funding opportunities
Atasi Chatterjee	National Metrology Institute of Germany, PTB Braunschweig	Germany	I would like to coordinate a project proposal and am looking for partners; I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities
Claudia Delgado SIMAO	University of Antwerp	Espanha	I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators
Rafael Furlan de Oliveira	CNPEM	Brazil	I am curious about relevant EU funding opportunities
Montserrat Gallegos-Alegria	CICESE	Mexico	I am curious about relevant EU funding opportunities
Michael Gibney	Royce Institute Catalyst Programme	United Kingdom	I am curious about relevant EU funding opportunities
Francesco Greco	Sant'Anna School of Advanced Studies, Pisa	Italy	I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities
Vilhelmiina Hännikäinen	Tampere University	Finland	I am curious about relevant EU funding opportunities
Muthumalai Karuppasmay	University of Chemistry and Technology	Czech Republic	I am curious about relevant EU funding opportunities

Participant	Affiliation	Country	Participation interest
Samuel Lara-Avila	Chalmers University of Technology	Sweden	I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators; I am curious about relevant EU funding opportunities
Yukun Lian	TU Delft	Netherlands	I am curious about relevant EU funding opportunities
Šarūnas Meškinis	Institute of Materials Science of Kaunas University of Technology	Lithuania	I would like to join a project proposal as a partner; I would like to promote my expertise and find collaborators
Susanna Narkilahti	Tampere University	Finland	I would like to join a project proposal as a partner
Maite Riano Junquera	CSIC	Spain	I would like to join a project proposal as a partner; I would like to coordinate a project proposal and am looking for partners; I would like to promote my expertise to find collaborators
Virginia Ranaweera	University of Jyväskylä	Finland	I am curious about relevant EU funding opportunities
Manuel Santos	FCT	Portugal	I would like to join a project proposal as a partner
Maksim Sargsyan	Yerevan State University	Armenia	I am curious about relevant EU funding opportunities
Mariana Silva	Queen's University Belfast	United Kingdom	I am curious about relevant EU funding opportunities

Detailed statements

1. Anna Aleksandrova, HU Berlin

Country of residence	Germany
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to coordinate a project proposal and am looking for partners

Statement of interest

Institut Kurz and research associates at Humboldt University of Berlin are developing NEG (Non-Ergodic Generator), a nanoscale element designed for chip-scale integration.

The NEG mechanism — magnetic-field-induced rectification of electron transport in curved ballistic graphene channels.

The device generates electrical power directly from the thermal motion of electrons, without fuel, sunlight, or a chemical battery.

The design target is chip-scale integration — arrays of many NEG elements packed onto a single chip.

2. Maria Camarena, Delft University of Technology

Country of residence	España
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

We work with transfer-free, multilayer graphene and other 2D materials to create next generation sensors and neural interfaces. We look for potential collaboration that enables the integration of 2D materials at a wafer scale for next generation devices.

3. Davide Campi, University of Milano-Bicocca

Country of residence	Italy
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner

Statement of interest

I work in the field of high-throughput computational screenings for low dimensional materials including discovery of new materials, design of screening funnels for desired properties, computational characterization of materials. I'm looking for partners interested in the efficient exploration of complex materials properties in a vast material space.

4. Alexandre Carvalho, i3N / University of Aveiro

Country of residence	Portugal
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

I work on both CVD graphene (focused on GFET-based sensors) and laser processing, both on the synthesis size (Laser induced graphene) and CVD-graphene patterning for low cost components and sensors. I also work on general laser processing of other materials.

5. Silvia Colella, PNO Digital

Country of residence	Italy
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to promote my expertise and find collaborators

Statement of interest

PNO Innovation Digital is looking to connect with companies, research organisations, technology developers and project coordinators working on European R&I opportunities. We support organisations in identifying funding opportunities, building collaborations and consortia, and turning R&D into impact and market opportunities. Our expertise includes innovation and project development, exploitation and market uptake, business and technology intelligence, stakeholder engagement, communication and dissemination. We are particularly interested in advanced materials, manufacturing, energy and climate technologies, circular economy, digitalisation and AI, both to support new initiatives and contribute as a partner to European R&I projects.

6. Pedro Costa, INL

Country of residence	Portugal
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

We are a research group based in Braga, Portugal, with considerable expertise in the characterisation of 2D and Energy Materials by Electron Microscopy. We would be interested in partnering up with consortia targeting TRL 1-5, where the analysis of physico-chemical phenomena at the micro-to-nanoscale can make a difference.

7. Paula Dias, UPORTO - FEUP - LEPABE

Country of residence	Portugal
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I am curious about relevant EU funding opportunities

Statement of interest

I coordinate the ZeroCarb project, funded by the EIC Transition programme, which is developing a catalytic methane splitting technology to produce decarbonized hydrogen and renewable graphitic carbon. I am interested in establishing collaborations to explore and develop innovative applications for these sustainable and tunable graphitic carbon materials across a range of industrial and advanced technology sectors.

8. Roberta Fabbri, Institute for Organic Synthesis and Photoreactivity (ISOF)-National Research Council of Italy (CNR)

Country of residence	Italy
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Our research group at ISOF-CNR focuses on the development and validation of graphene-based materials and devices enabling the communication with neural cells. We are interested in collaborations that bring together complementary expertise to advance our understanding of the fundamental mechanisms underlying the nervous system function and dysfunction, while driving innovative bioelectronic technologies for the study and treatment of neurological disorders.

9. Francisco José Galindo-Rosales, CEFT/ALiCE, Department of Chemical and Biological Engineering, Faculty of Engineering of the University of Porto

Country of residence	Portugal
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

I am interested in joining collaborative EU project proposals as a partner in the areas of 2D materials processing, rheology, microfluidics and advanced manufacturing. My expertise focuses on flow-based exfoliation and dispersion of graphene and other 2D materials, including transonic/microfluidic flow focusing, rheological characterisation, ink formulation, and process–structure–property relationships. I am particularly interested in projects addressing scalable, solvent-efficient production of graphene, stabilisation of functional inks and coatings, and rheology-guided printing, and integration of 2D materials into smart, sensing or structural applications. I can contribute with experimental rheology, microfluidic processing, high-speed imaging, formulation design and modeling.

10. Daniil Karnaushenko, Research Center MAIN TU Chemnitz

Country of residence	Germany
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner

Statement of interest

I am interested in partnerships around flexible electronics, self-assembled microelectronics, small-scale autonomous systems, and advanced sensor platforms for environmental and bio-related applications. My project interests include compact, low-power sensing systems, integration of functional materials with microelectronic architectures, and scalable approaches for smart surfaces, biointerfaces, and distributed sensor networks. I am looking to connect with partners working on graphene-enabled sensors, flexible devices, printed/self-assembled electronics, and autonomous microsystems.

11. Eva Kovacevic, GREMI CNRS&University of Orleans

Country of residence	France
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to coordinate a project proposal and am looking for partners • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Our expertise is SSdB, our processes are low temperature, low power hybrid plasmas, which can be connected with energy consuming processes, as gas conversion towards CRMs. We offer to partners transportable material and process diagnostics, our know how in mesoporous and vertical structures, 2D/3D stacked architectures, MoS₂, Graphene, polymers, their functionalisation and doping, functionalized surfaces with switchable wettability. We worked on supercapacitors, biosensors, CO₂, CH₄ conversion towards materials, C₂H₂ conversion and production, and many other fields including adhesive interfaces for dual use and extreme conditions. We offer design, clean room intensive activity and PI- (plasma enhanced) durability testing of AM, walls/chambers/ facilities cleaning and conditioning

12. Jitender Kumar, TACC Limited

Country of residence	INDIA
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to coordinate a project proposal and am looking for partners • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Role of Graphene derivatives in industrial application. TO explore possibilities of utilizing graphene based materials for specialized applications such as defense, quantum computing and robotics.

13. Sean Mallia, University of Malta

Country of residence	Malta
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

I am an MSc. Student and Researcher at the University of Malta, with expertise in the synthesis, analysis, and future application of reduced graphene oxide (rGO) aerogels. This novel material possesses unique properties that would make it useful in the fields of filtration & decontamination, energy storage, climatic & gas sensors, and medicine. Unfortunately, the synthesis parameters that affect the final properties of these aerogels are poorly understood, and so their synthesis has been largely limited to laboratory-scale production.

I wish to bring my expertise and practical understanding of synthesising these aerogels to a potential use case that can take advantage of rGO aerogels' unique properties.

14. Artur Moreira Pinto, LEPABE/FEUP - University of Porto

Country of residence	Portugal
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to coordinate a project proposal and am looking for partners • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

I am looking for partners to develop collaborative projects involving graphene and other two-dimensional (2D) nanomaterials for biomedical and healthcare applications, including drug delivery, photothermal therapy, tissue engineering, and biosensing. Our group has extensive expertise in the synthesis, functionalization, and biological evaluation of 2D nanomaterials and can produce large batches of graphene and related materials with controlled thickness (few-layer to monolayer) and tunable later

15. Mina Namvari, Sabanci University SUNUM

Country of residence	Türkiye
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators

Statement of interest

My name is Mina Namvari and I am a principal investigator at Sabanci University SUNUM. My group focuses on developing multifunctional 2D materials-based composites for biomedical & energy applications. As a material scientist, I can contribute in material design and synthesis for the target application that can vary from energy storage to biomedical applications. I am looking for partners with complementary expertise who can use these materials in applied fields like batteries (electrode materials), catalysts, sensors, tissue engineering, etc. Partners who specialize in the application of ML in material development and properties prediction as well as LCA are very much sought for. I am looking for contributing as a partner in ERC Synergy, EU4Health, COST Actions, etc.

16. Pablo Pou Álvarez, Universidade de Vigo

Country of residence	Spain
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Graphene-based devices for energy harvesting.

Photocatalysis applications: Hydrogen generation from water splitting and water decontamination.

17. Apurba Ray, Institute for Frontier Materials on Earth and in Space (FM), German Aerospace Center (DLR e.V.), 51147 Cologne

Country of residence	Germany
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Hello everyone!

Our research team is currently focusing on electrochemical energy storage (mainly supercapacitors and batteries) and gas sensors. I am highly interested in meeting new researchers, exchanging novel ideas, and exploring opportunities for future collaborations and joint project applications. If you are working in these fields or have ideas to share, please feel free to reach out. Let's connect and see you at the conference!

Best regards,

Apurba Ray

18. Noelia Rubio Carrero, University of Alcalá (Madrid)

Country of residence	Spain
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

My name is Dr Noelia Rubio Carrero, I am a materials chemist and lecturer at the department of Organic Chemistry at the Faculty of Pharmacy (University of Alcalá, Madrid).

My research is focused on the fabrication of a Brain-on-chip microfluidic platform with (bio)sensors based on graphene integrated within this platform. This device is focused on the preclinical screening of therapeutic new drugs for the treatment of Central nervous system diseases like Parkinson's or Alzheimer's.

I am looking for partners working on the Heath field that are creating relevant new alternative methodologies to minimise the use of animal experiments and recreate microphysiological systems using alternative in vitro methods.

19. Sascha Sadewasser, INL - International Iberian Nanotechnology Laboratory

Country of residence	Portugal
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators

Statement of interest

We can grow wafer scale (2 inch) 2D materials for optoelectronic applications, such as GaSe, InSe, In₂Se₃ and the 2D topological insulator Bi₂Se₃. The materials can be processed in cleanroom environment to device structures.

20. Burcu Saner Okan, Euronova/Sabanci University

Country of residence	Türkiye
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to coordinate a project proposal and am looking for partners • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

Prof. Burcu Saner Okan and her team at Sabancı University develop sustainable graphene and 2D material-enabled polymer composites from waste-derived carbon resources, including end-of-life tires, plastics and biomass. Our expertise spans scalable graphene production, thermoplastic compounding, multifunctional lightweight composites, process–structure–property optimization, recycling/upcycling, and pilot-scale validation. We are seeking academic and industrial partners, especially OEMs and technology providers, for joint Horizon Europe proposals, co-development, scale-up and validation of circular advanced materials for mobility, aerospace, energy and industrial applications.

21. Andrey Turchanin, University Jena

Country of residence	DE
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I am curious about relevant EU funding opportunities

Statement of interest

2D TMDs, graphene FETs, biosensors, biointerfaces, photonics, electronics

22. Gerard VERBIEST, TU Delft

Country of residence	Netherlands
Topics / calls of interest	• ERC Synergy Grants
Participation interest	• I would like to join a project proposal as a partner • I would like to promote my expertise and find collaborators • I am curious about relevant EU funding opportunities

Statement of interest

I lead a research group at Delft University of Technology developing ultrasound, nanomechanical, and integrated photonic sensing technologies for applications ranging from sustainable agriculture to next-generation microscopy. Our research combines acoustics, nanotechnology, photonics, and precision engineering to enable non-invasive measurements at unprecedented spatial and temporal resolution. Our goal is to translate fundamental discoveries into technologies that advance agriculture, healthcare, and the next generation of electronic and photonic systems.