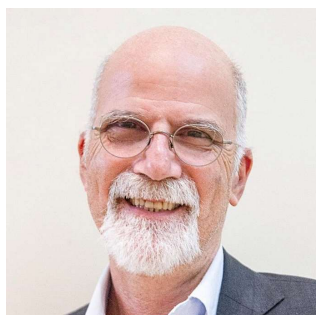


Workshop: 10 years of Graphene Flagship and... beyond

Achievements, goals, & new people @UniTs

WP4 Health & Environment

(Leader: Prof. Maurizio Prato; Deputy: Dr. Alberto Bianco)



Monday 18.09 and Tuesday 19.09 2023

Location: Aula Magna Building C11 – University of Trieste
Via Licio Giorgieri 1, Trieste

Keynote speakers:

Prof. Anne Kahru



NICPB research Instituto- Estonia

Prof. Yuta Nishina



Okayama University- Japan

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Day one: Monday the 18th September

14h00- 14h15	<p><i>Welcome session</i></p> <p>Alessandro Baraldi (vice Rector for research, UniTs) Paolo Tecilla (Director of the Department DSCF, UniTs) Maurizio Prato (Leader of the Graphene Flagship WP4, UniTs)</p>
14h15 – 14h35	<p><i>10 years of Graphene Flagship</i></p> <p>Maurizio Prato (UniTs) and Alberto Bianco (CNRS)</p>
14h35 – 15h15	<p>Keynote Presentation I Chair: Alberto Bianco (CNRS)</p> <p>Green and Secure Synthesis of Graphene Materials: Innovations in Chemical and Electrochemical Strategies</p> <p>Yuta Nishina (Okayama University)</p>
15h15- 15h55 (20 min per presentation)	<p>Oral Presentations Chair: Alberto Bianco (CNRS)</p> <ul style="list-style-type: none">• Ester Vazquez (UCLM): Sustainable production of 2D materials• Andrea Armirotti (IIT): Sticky surfaces: the biochemical space around nanomaterials
15h55 – 16h25	<p>COFFEE BREAK</p>
16h25 – 17h45 (20 min per presentation)	<p>Oral Presentations Chair: Alberto Bianco (CNRS)</p> <ul style="list-style-type: none">• Marco Pelin (UniTs): Safety assessment of 2D materials at the skin level: The Flagship strategy"• Bengt Fadeel (KI): Exploring interactions between 2D materials and the immune system• Fabio Candotto (UniTs): Environmental impact and fate of GRMs in terrestrial environments: insights from the WP4 work• Giada Cellot and Laura Ballerini (SISSA): Screening neurotoxicity of 2D nanomaterials in zebrafish: from behavioral to subcellular effects• Hazel Lin (CNRS): Effects of graphene and other 2D materials on human blood-derived immune cells

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Day two: Tuesday the 19th September

09h00- 09h40	<p>Keynote Presentation II Chair: Maurizio Prato (UniTs) Biotests and biosensors for the evaluation of ecosafety of novel (nano)materials</p> <p>Anne Kahru (National Institute of Chemical Physics and Biophysics KBFI · Laboratory of Environmental Toxicology)</p>
09h40 – 10h40 (20 min per presentation)	<p>Special Session: New entries @UniTs Chair: Alessandro Baraldi (UniTs)</p> <ul style="list-style-type: none">• Federico Rosei: Multifunctional materials for emerging technologies• Pierangelo Gobbo: A synthetic chemistry approach to the engineering of higher order behaviours in protocells and prototissues• Pierre Thibault: Scattering-based X-ray imaging and tomography
10h40 – 11h15	<p>COFFEE BREAK</p>
11h15 – 12h35 (20 min per presentation)	<p>Chair: Maurizio Prato (UniTs)</p> <ul style="list-style-type: none">• Peter Wick (Empa): How the Graphene Flagship Facilitated the Understanding of 2D Materials beyond Graphene• Sandra Vranic (UNIMAN): Pulmonary effects of thin, pure graphene oxide sheets: in vitro and in vivo journey• Valentina Castagnola (IIT): GRMs interactions with the central and the peripheral nervous system• José Maria Navas (CSIC): Effects of GRMs on fish: from fundamental research to regulation
12h35 – 12h45	<p><i>Concluding remarks</i> Maurizio Prato (UniTs)</p>