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	Welcome session
	Alessandro Baraldi (vice Rector for research, UniTs)
	Paolo Tecilla (Director of the Department DSCF, UniTs)
	Maurizio Prato (Leader of the Graphene Flagship WP4, UniTs)
14h15 – 14h35	10 years of Graphene Flagship
	Maurizio Prato (UniTs) and Alberto Bianco (CNRS)
14h35 – 15h15	Keynote Presentation I
	Chair: Alberto Bianco (CNRS)
	Green and Secure Synthesis of Graphene Materials: Innovations in Chemical and Electrochemical Strategies
	Yuta Nishina (Okayama University)
15h15- 15h55	Oral Presentations
(20 min per	Chair: Alberto Bianco (CNRS)
presentation)	Ester Vazquez (UCLM): Sustainable production of 2D materials
	Andrea Armirotti (IIT): Sticky surfaces: the biochemical space around nanomaterials
15h55 – 16h25	COFFEE BREAK
16h25 – 17h45	Oral Presentations
(20 min per	Chair: Alberto Bianco (CNRS)
presentation)	 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	Keynote Presentation II Chair: Maurizio Prato (UniTs) Biotests and biosensors for the evaluation of ecosafety of novel (nano)materials Anne Kahru (National Institute of Chemical Physics and Biophysics KBFI · Laboratory of Environmental Toxicology)
09h40 – 10h40 (20 min per presentation)	Special Session: New entries @UniTs Chair: Alessandro Baraldi (UniTs) • 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	COFFEE BREAK
11h15 – 12h35 (20 min per presentation)	 Chair: Maurizio Prato (UniTs) 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	Concluding remarks Maurizio Prato (UniTs)





