



14 June	15 June	16 June	17 June	18 June	19 June
16h00 Welcome Fraterna Domus in Sacrofano	09h00–09h10 Opening Prof. Antonio d'Alessandro	INDUSTRY DAY	Participation to the Workshop <i>Nano for Life: Health, Food and Emerging Technologies</i>	Chair: Prof. Daniela Uccelletti	Chair: Prof. Danilo Dini
	Chair: Prof. Antonio d'Alessandro	Chair: Prof. Uener Kolukisaoglu	Faculty of Civil and Industrial Engineering (Via Eudossiana 18, San Pietro in Vincoli), AULA 1 "Antonio Ruberti	9h00–9h50 <i>Lecture 9</i> Catalytic approaches for zero-waste and circular valorization of crop residues Prof. Simona Margareta Coman	9h00–9h50 <i>Lecture 13</i> Boosting Crop Growth using Natural Product and Synthesis Enabled Solar Harvesting Prof. Josene Toldo
	9h10–10h00 <i>Lecture 1</i> Nanotechnology in the One-Health paradigm Luciana Dini	9h30–10h30 Presentations by Companies: Flavio Cognigni (Zeiss) Giampiero Asta (Buchi)	Speakers: Dr. Erica Sonaglia (Sapienza University) Nanocellulose and Biotechnological applications	9h50–10h40 <i>Lecture 10</i> Photocatalysis for environmental remediation Prof. Bogdan Cojocararu	9h50–10h40 <i>Lecture 14</i> Quantum Thermodynamic in natural machines Prof. Fabienne Michelini
	10h00–10h50 <i>Lecture 2</i> Nanoscience and Nanotechnologies for crop protection Speaker to be defined	ZEISS BÜCHI	Chairs: Prof. Luciana Dini	10h40–11h10 Coffee break	10h40–11h10 Coffee break
	10h50–11h20 Coffee break	10h30–11h00 Coffee break	Speaker to be defined Omics applied to plants and microorganisms and their interaction	Chair: Prof. Simona Margareta Coman	Chair: Prof. Antonio d'Alessandro
	Chair: Prof. Francesca Scaramuzzo	Chair: Prof. Uener Kolukisaoglu	Dr. Stefano Tacconi (Sapienza University) Farm-Extracellular Vesicles and their potential for drug delivery	11h10–12h00 <i>Lecture 11</i> Sensors in the Field: Biosensing Innovations for Crop Protection and Food Quality Prof. Camelia Bala	11h10–12h00 <i>Lecture 15</i> Impact of nanomaterials in light conversion technologies for agrophotovoltaics Prof. Danilo Dini
	11h20–12h10 <i>Lecture 3:</i> Nanophotonic Sensors Monika Fleischer	11h00–12h00 Round tables with companies	Dr. Simone Dinarelli (CNR-ISM) AFM-based approaches in Nanoscience and Bioapplications	12h00–12h50 <i>Lecture 12</i> From Field to Strip: Plasmonic Nanoparticles for Agrifood Lateral Flow Diagnostics Prof. Gilles Bruylant	12h00–13h00 Closing
	12h10–13h00 <i>Lecture 4</i> Simulation methods for problems in nanoscience Prof. Martin Oettel	13h00–15h00 Lunch	Prof. Paola Lanuti (University of Chieti-Pescara) Expanding the frontiers of nanostructure analysis with conventional, spectroscopic, and imaging Flow Cytometry	13h00–15h00 Lunch	13h00–15h00 Lunch
	13h00–15h00 Lunch	Chair: Prof. Stefano Tacconi	Prof. Antonio d'Alessandro (Sapienza University) Integrated Nanophotonic Platforms Based on Active Control of Plasmonic Resonances in Liquid Crystal-Embedded Gold Nanorods	Chair: Prof. Antonio d'Alessandro	Departure
	Chair: Prof. Fabienne Michelini	15h00–15h50 <i>Lecture 7</i> Optical Nanospectroscopy Prof. Alfred Meixner	Prof. Cesare Manetti (Sapienza University) Sapienza on Metrofood	15h00–16h30 Round table on social and ethical impact of Nanotechnology	
	15h50–16h40 <i>Lecture 6 (online)</i> Artificial neural networks: from their origin to (some of) their applications in Nanotechnology Prof. Adriano Barra	15h50–16h40 <i>Lecture 8</i> Environmental risk assessment of NMs: integrated approach with aquatic and terrestrial mesocosms, focus on exposure part of risk equation Prof. Danielle Slomberg	Dr. Roberto La Rosa (STM Microelectronics) Electronic systems for Agrifood	Prof. Stefan Gammel, Prof. Antonella Ficorilli	
	16h40–17h10 Coffee break	16h40–17h10 Coffee break	<i>Get lost in Rome</i>	16h40–17h10 Coffee break	
	Chair: Prof. Fabienne Michelini	17h10–19h00 STUDENT ACTIVITIES Final presentation preparation		Chair: To be defined	
	POSTER PRESENTATION			17h10–19h00 STUDENT GROUPS PRESENTATION	
19h30 Dinner	19h30 Dinner	19h30 Dinner	20h30 Dinner	20h30 Gala Dinner & Awards	

Coordinator
Prof. Antonio d'Alessandro (Sapienza University)

Organizing Committee
Prof. Daniela Uccelletti (Sapienza University)
Prof. Francesca Scaramuzzo (Sapienza University)
Dr. Stefano Tacconi (Sapienza University)

Scientific Committee
Prof. Antonio d'Alessandro (Sapienza University)
Prof. Daniela Uccelletti (Sapienza University)
Prof. Francesca Scaramuzzo (Sapienza University)
Dr. Stefano Tacconi (Sapienza University)
Prof. Fabienne Michelini (Aix-Marseille University)
Prof. Simona Margareta Coman (University of Bucharest)
Prof. Üner Kolukisaoglu (University of Tübingen)

Lecturer and Speaker:
Prof. Luciana Dini (Sapienza University)
Prof. Adriano Barra (Sapienza University)
Prof. Danilo Dini (Sapienza University)
Prof. Antonella Ficorilli (Sapienza University)
Prof. Monika Fleisher (University of Tübingen)
Prof. Martin Oettel (University of Tübingen)
Prof. Alfred Meixner (University of Tübingen)
Prof. Stefan Gammel (Univeristy of Tübingen)
Prof. Bogdan Cojocararu (University of Bucharest)
Prof. Camelia Bala (University of Bucharest)
Prof. Gilles Bruylant (Université Libre de Bruxelles)
Prof. Danielle Slomberg (Aix-Marseille University)
Prof. Josene Toldo (ENS Lyon)