

## Seminars organized in the frame of the PhD Program in Science and Technology of Bio and Nanomaterials in 2024

Calendar here: <https://calendar.google.com/calendar/u/0/r/month/2024/9/1>

For info please contact [dottorato.nanobio@unive.it](mailto:dottorato.nanobio@unive.it) Dr. Francesca Guidi

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**Dr. Thomas Len**, *Universidad de Cordoba, Spain*

Design of nanomaterials for the conversion of CO<sub>2</sub> into methanol.

February 13<sup>th</sup>, 2024 at 2.00 p.m., Conference Room "Orio Zanetto"

**Prof. Piero Baglioni**, *Dipartimento di Chimica 'Ugo Schiff' –Università di Firenze*

Colloid and Surface Chemistry for the conservation of Cultural Heritage

March 11<sup>th</sup>, 2024, "Zoom Delta 1B"

**Prof. Alessandro Pellis**, *Università di Genova*

sistemi biocatalitici per la produzione e la degradazione di bioplastiche.

April 8th 2024, Conference Room "Orio Zanetto"

**Prof. Ana Clara Marques**, *Università di Lisbona*

sviluppo di nano e microsistemi inorganici per bioremediation.

10<sup>th</sup> May 2024, Conference Room "Orio Zanetto"

**prof. Luiz Roberto Evangelista**, *Università di Maringà (Brasile)*

- La Scoperta della Conservazione dell'Energia, April 2024
- MASSA-ENERGIA – Einstein, la relatività e l'energia racchiusa nella materia, May 2024
- Riflessioni sulla realtà quantistica: L'entanglement, May 2024
- Fisica e Poesia: Rappresentazioni del Reale? June 2024

**Dr. Andrea Caporale**, *CNR Istituto di Cristallografia*

Chemical modification of peptides and proteins

Cycle of 8 seminars from May 9th, 2024 on Thursdays and Fridays from 10.00 a.m. to 12.00 p.m. in videoconference on Teams platform.

**Prof. Mikhail Brik**, *Institute of Physics, University of Tartu, Estonia*

Theoretical spectroscopy of transition metal and rare earth ions in optical materials, crystal field theory, ab initio calculations of physical properties of pure and doped functional compounds

20th May 2024, Conference Room Orio Zanetto

**Prof. Christoph Tebbe**, *Johann Heinrich von Thünen Institute, Braunschweig, Germany*

Topic: Scientific risk assessment of genetically modified organisms for cultivation, and food or feed uses

May 2024, Conference Room "Orio Zanetto"

**Prof. Tomislav Friščić**, *University of Zagreb, Zagreb, Croatia*

topic: mechanochemical approaches in the self-assembly of advanced materials, such as porous metal-organic frameworks (MOFs)

June 2024, Conference Room "Orio Zanetto"

**Prof. Patrick Unwin**, *Department of Chemistry, University of Warwick*

topic: ground-breaking instrumental electrochemical techniques and their imaginative application in the fields of nanoelectrochemistry and electrochemical imaging.

June 2024, Conference Room "Orio Zanetto"

**prof. Fiorenzo Vetrone**, *Centre de Institute National de la Recherche Scientifique (INRS), Québec, Canada.*

Title to be defined, the seminar will be calendarized in September 2024

**Prof. Firat Güder**, *Department of Bioengineering Imperial College London, UK*

Flexible and Stretchable Sensors for Physiological Monitoring and Rehabilitation

September 20th, 2024, Conference Room "Orio Zanetto"

selected seminars organized in the frame of Engineering Physics Colloquia:

	<b>Speaker</b>	<b>Affiliation</b>	<b>Topic</b>	<b>location</b>
23rd April 2024	<b>Nicola Marzari</b>	EPFL (Switzerland)	Theory and Simulation of Materials	Conference Room "Orio Zanetto"
24th May 2024	<b>Miroslav Voznak</b>	Tech University Ostrava (Czech Republic)	Wireless, IoT, Energy Harvesting, Network Security and Big Data	Conference Room "Orio Zanetto"
20th June 2024	<b>Angelo Vulpiani</b>	La Sapienza (Italy)	Chaos and Complexity in Dynamical Systems; Disordered Systems	Conference Room "Orio Zanetto"
18th July 2024	<b>Claudia Mondelli</b>	Laue-Langevin Grenoble (France)	Neutrons for Material Science	Conference Room "Orio Zanetto"
19th September 2024	<b>Hans Kleemann</b>	TU Dresden (Germany)	Organic Semiconductors; Thin Film Transistors	Conference Room "Orio Zanetto"