



February 20<sup>th</sup>-24<sup>th</sup>, 2023  
Perugia

**STIBNITE** 

**STiBNite School**

**Project Coordinator:** Prof. Davide Bonifazi,  
*University of Vienna, Austria*

**School Organizer:** Prof. Luigi Vaccaro,  
*University of Perugia, Italy*

Participation at the event is free of charge, but registration is required.  
To register, please send an e-mail to: [luigi.vaccaro@unipg.it](mailto:luigi.vaccaro@unipg.it)



**This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 956923.**



## School Programme at a glance

	Monday February 20 <sup>th</sup>	Tuesday February 21 <sup>st</sup>	Wednesday February 22 <sup>nd</sup>	Thursday February 23 <sup>rd</sup>	Friday February 24 <sup>th</sup>
<b>Morning Session</b>	Consortium Meeting 09.00 to 12.20	Consortium Meeting 09.00 to 12.10	Scientific Lectures 9.30 to 12.30	Scientific Lectures 09.00 to 12.30	Transferable Skills 09.00 to 12:30
<b>Afternoon Session</b>	Consortium Meeting 14.30 to 18.20	Consortium Meeting 14.00 to 18.10	Scientific Lectures 14.30 to 18.00	Scientific Lectures 14.30 to 18.00	Transferable Skills 14:30 to 18:00



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# Consortium meeting February 20<sup>th</sup>

Dipartimento di Chimica, Biologia e  
Biotecnologie  
Building A, Room B

## Morning closed session

- 09.00-09.10:** Introduction and Welcome  
*Professor Luigi Vaccaro*
- 09.10-09.50:** **ESR4** – *Sumon Basak*
- 09.50-10.30:** **ESR7** – *Diego Jaramillo*
- 10.30-11.00:** COFFEE BREAK
- 11.00-11.40:** **ESR6** – *Laura Caputo*
- 11.40-12.20:** **ESR5** – *Sergi Campos*
- 12.20-14.30:** LUNCH BREAK

## Afternoon closed session

- 14.30-15.10:** **ESR15** – *Aliaa Hassan*
- 15.10-15.50:** **ESR9** – *Luca Maria Cavinato*
- 15.50-16.30:** **ESR2** – *Martina Crosta*
- 16.30-17.00:** COFFEE BREAK
- 17.00-17.40:** **ESR14** – *Miquel Garcia Lleo*
- 17.40-18.20:** **ESR13** – *Vladimir Calvi*
- 20.00:** **SOCIAL EVENT**



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# Consortium meeting February 21<sup>st</sup>

Dipartimento di Chimica, Biologia e  
Biotecnologie  
Building A, Room B

## Morning closed session

**09.00-09.40:**     **ESR10** – *Sanchari Chowdhuri*

**09.40-10.20:**   **ESR11** – *Carolina Ibarra*

**10.20-10.50:**   COFFEE BREAK

**10.50-11.30:**   **ESR1** – *Marco Franceschini*

**11.30-12.10:**   **ESR8** – *Sena Tomekce*

**12.10-14.30:**   LUNCH BREAK

## Afternoon closed session

**14.30-15.10:**   **ESR3** – *Alireza Nazari*

**15.10-15.50:**   **ESR12** – *Veronika Kost*

**15.50-16.30:**   COFFEE BREAK

**16.30-18.10:**   General Discussion  
(Scientific and Administrative)



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# Scientific Program February 22<sup>nd</sup>

Palazzo dei Priori, Sala dei Notari

## Morning open session

- 9.30-10.00** Registration and Institutional welcome
- 10.00-10.15:** Introduction and Welcome  
*Professor Davide Bonifazi*  
(University of Vienna, Austria)
- 10.15-10.30:** Introduction to Vitality Project  
*Professor Luca Gammaitoni*  
(University of Perugia, Italy) 
- 10.30-11.15:** Layman terms explanation of STIBNITE to secondary school students and to general audience  
*Laura Caputo (IT), Miquel Garcia Lleo (IT) and Sumon Basak (EN)*
- 11.15-11.30:** BREAK
- 11.30-12.30:** Per non sprecchiare la Tavola Periodica  
*Professor Margherita Venturi*  
(University of Bologna, Italy)
- 12.30-14.30:** LUNCH BREAK

## Scientific Program February 22<sup>nd</sup>

Palazzo dei Priori, Sala dei Notari

### **Afternoon session** (registration is required)

- 14.30-15.30:** Developing Sustainable Routes to Boron-Doped Polymers, Macrocycles, and Polycyclics  
*Professor Holger Helten*  
University of Wuerzburg, Germany
- 15.30-16.30:** Supramolecular Architectures for Artificial Photosynthesis  
*Professor Marcella Bonchio*  
(Università degli Studi di Padova, Italy)
- 16.30-17.00:** COFFEE BREAK
- 17.00-18.00:** Bond Activation and Metal-free Catalysis by Pyridonate and Imidazolonate Boranes  
*Professor Urs Gellrich*  
(University of Giessen, Germany)



## Scientific Program February 23<sup>rd</sup>

Palazzo dei Priori, Sala dei Notari

### **Morning session** (registration is required)

**09.00-10.00:** Simulations in heterogeneous catalysis

*Professor Nuria Lopez*  
ICIQ, Spain

**10.00-11.00:** Fundamental principles in energy sustainability. An example: Information and Communication devices

*Professor Luca Gammaitoni*  
(Università degli Studi di Perugia, Italy)

**11.00-11.30:** COFFEE BREAK

**11.30-12.30:** Non-conventional enabling technologies in catalytic processes

*Professor Giancarlo Cravotto*  
(Università degli Studi di Torino, Italy)

**12.30-14.30:** LUNCH BREAK

## Scientific Program February 23<sup>rd</sup>

Palazzo dei Priori, Sala dei Notari

### **Afternoon session** (registration is required)

- 14.30-15.30:** Polymer semiconductors  
Professor *Iain McCulloch*  
(University of Oxford, UK)
- 15.30-16.30:** Metal halide perovskites: A wonder semiconductor class for photovoltaics  
Professor *Filippo De Angelis*  
(Università degli Studi di Perugia, Italy)
- 16.30-17.00:** COFFEE BREAK
- 17.00-18.00:** Using 2-D materials in a 3-dimensional world: from nanochemistry to technology applications  
Dr. *Vincenzo Palermo*  
(ISOF - CNR, Italy)
- 18.00:** Closing Remarks  
Professor *Davide Bonifazi*  
(University of Vienna, Austria)



## Transferable Skills February 24<sup>th</sup>

Dipartimento di Lettere – Lingue,  
Letterature e Civiltà Antiche e  
Moderne

Palazzo Manzoni, Sala delle Adunanze

### **Morning session** (registration is required)

09.00-12.30:      Mission Possible: Well-being during  
your PhD. Part 1: Overcoming  
perfectionism  
*Dr. Beth Yoder*  
(University of Groningen, NL)

12.30-14.30:      LUNCH BREAK

### **Afternoon session** (registration is required)

14.30-18.00:      Mission Possible: Well-being during  
your PhD. Part 2: Building work-life  
harmony  
*Dr. Beth Yoder*  
(University of Groningen, NL)

