

Research and Collaboration Workshop

Interaction of Inorganic Clusters, Cages, and Containers with Light



16-18th | 11 | 2021

**Institute of Inorganic Chemistry
Czech Academy of Sciences**

Venue: Château Liblice

**Baroque château located only 40 km
north from Prague**



**Akademie věd
České republiky**

Strategie AV21

Špičkový výzkum ve veřejném zájmu

Strategy AV21 – Molecules and Materials for Life

Research theme: “Interaction of Inorganic Clusters, Cages, and Containers with Light”

Institute of Inorganic Chemistry, CAS presents...

Research and Collaboration Workshop

- Workshop and introduction to Research Theme
- Presentations on short and mid-term research goals
- Students poster presentations
- Coordination of new collaborations



Preliminary program

Tuesday 16.11.	12:00 – 16:00	Arrival to Château Liblice
	16:00 – 17:00	Coffee
	17:00 – 18:00	Introductory talks
	18:00 – 20:00	Buffet dinner
	20:00 – 22:00	Poster session and networking
Wednesday 17.11.	07:00 – 09:00	Breakfast
	09:00 – 10:15	Short talks (focus: porphyrin/biology)
	10:15 – 10:45	Coffee break
	10:45 – 12:30	Short talks (focus: metal clusters)
	12:30 – 14:30	Lunch
	14:30 – 16:15	Short talks (focus: borane clusters)
	16:15 – 16:45	Coffee break
	16:45 – 18:00	Short talks
	19:00 – 22:00	Buffet dinner and networking
Thursday 18.11	07:00 – 10:00	Breakfast and departure

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“Interaction of Inorganic Clusters, Cages, and Containers with Light”

Preliminary program

Tuesday 16.11. 12:00 – 16:00 Arrival to Château Liblice (www.zamek-liblice.cz)
16:00 – 17:00 Coffee
17:00 – 18:00 Introductory talks (presented by **Jan Demel**, **Kaplan Kirakci** and **Michael Londesborough**)
18:00 – 20:00 Buffet dinner and networking
20:00 – 22:00 Poster session

Wednesday 17.11. 07:00 – 09:00 Breakfast
09:00 – 10:15 Short talks (focus: porphyrin/biology)
09:05 – 09:25 **Jaroslav Zelenka** – *“Metabolic aspects of PDT, X-PDT and antibacterial PDT”*
09:30 – 09:50 **Gundog Yucesan** – “”
09:55 – 10:15 **Honza Hynek** – “”
10:15 – 10:45 Coffee break
10:45 – 12:30 Short talks (focus: metal clusters)
10:50 – 11:10 - **Stephane Cordier** – *“Revisiting the vibrational and absorption properties of niobium and tantalum clusters for energy saving applications”*
11:15 – 11:35 – **Alexis Verger** – “”
11:40 – 12:00 – **Fabien Grasset** – *“Functional Nanocomposite Materials Based on Nb₆, Mo₆ and Ta₆ Clusters”*
12:05 – 12:25 – **Maria Amelia-Cortes** – *“Development of molybdenum cluster loaded nanoparticles as stable and efficient tool for photodynamic therapy of ovarian cancer”*
12:30 – 14:30 Lunch
14:30 – 16:15 Short talks (focus: borane clusters)
14:35 – 14:55 **Daniel Roca-Sanjuán** – *“Accurate prediction of absorption and emission electronic spectra”*
15:00 – 15:20 **Luis Cerdán** – *“Excited state absorption in luminescent boranes: Implications for their laser performance and photochemistry.”*
15:25 – 15:45 **Antonio Frances-Monerris** – “”
15:50 – 16:10 **Jonathan Bould/Michael Londesborough** – *“How molecular structure design can modify the photophysical properties of cluster boranes”*
16:15 – 16:45 Coffee break
16:45 – 18:00 Short talks (focus: surprise)
16:50 – 17:10 – **Martin Lamac** – “”
17:15 – 17:35 - **Karel Skoch** – “”
17:40 – 18:00 - **Miroslav Krůs** - “”
19:00 – 22:00 Buffet dinner and networking



Thursday 18.11 Breakfast and departure