

Symposium "40 years of gas phase laser spectroscopy: an ongoing story"

8h45-9h00 Welcome of participants

9h00-11h00 First morning session - *Pierre Çarçal*

- 9h00-9h30 A Spectroscopic Journey to the Heart of Molecular Structure
Eric Gloaguen (Paris-Saclay University, France)
- 9h30-10h00 Ion Transportation in the Magnesium Channel: Insights From the Stepwise Hydration of $[\text{CH}_3\text{COOMg}]^+$
Masaaki Fujii (Tokyo Institute of Technology, Japan)
- 10h00-10h30 IR and UV: Back to Future
Wutharath Chin (Paris-Saclay University, France)
- 10h30-11h00 What Would Claude Bernard Think of Gas Phase Laser Spectroscopy ?
Isabelle Compagnon (University of Lyon, France)

11h00-11h30 Coffee break

11h30-13h00 Second morning session - *Charles Desfrançois*

- 11h30-12h00 Spectroscopy of Clusters: Catching Hydrogen Bonds Infra Red-Handed
Evan G. Robertson (La Trobe University, Australia)
- 12h00-12h30 Shedding Some (Laser) Light on Weak Local Interactions in Peptide Models Containing Sulphur
David J. Aitken (Paris-Saclay University, France)
- 12h30-13h00 IR Spectroscopy as Structural Tool in Mass Spectrometry to Probe Peptide Aggregation & Interactions
Anouk Rijs (Vrije Universiteit Amsterdam, the Netherlands)

13h00-14h30 Lunch buffet

14h30-16h00 First afternoon session - *Carine Clavaguéra*

- 14h30-15h00 When Experiment Meets Theory
Valérie Brenner (Paris-Saclay University, France)
- 15h00-15h30 Hydrogen Bonding with Sulfur: Conceptual Advancement from Gas Phase Laser Spectroscopy to Applications in Solution
Himansu S. Biswal (National Institute of Science Education and Research, India)
- 15h30-16h00 Spectroscopy and Chirality: What Neighbours Share
Anne Zehnacker-Rentien (Paris-Saclay University, France)

16h00-16h30 Coffee break

16h30-18h00 Second afternoon session - *Gilles Grégoire*

- 16h30-17h00 Microwave and Laser Spectroscopies as Chemical Tools
Emilio J. Cocinero (University of the Basque Country, Spain)
- 17h00-17h30 Gas Phase Laser Spectroscopy Coupled to Supersonic Jets:
A Fruitful Association for Unveiling Molecular Structure and Dynamics
Pierre Asselin (Sorbonne University, France)
- 17h30-18h00 Double Resonance Studies of the Structures and Dynamics of Cryo-cooled Peptide Ions
Timothy S. Zwier (Sandia National Laboratory, United States)
- 18h00-18h20 Beyond Spectroscopy: A Nice and Simple Textbook Example of Femtology
Christophe Jouvét (Aix-Marseille University, France)

19h00-21h00 Evening buffet Restaurant Les Cèdres, Bâtiment 406

