

**2<sup>es</sup> Rencontres de Chimie et Physique (Bio)Moléculaires**  
 2nd Forum on (Bio)Molecular Chemistry and Physics  
**Tuesday, September 29, 2026 – Nancy Brabois, Emile Gallé Room**

|       |                           |                                                                                                                                                       |
|-------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 08:30 |                           | <b>Welcome</b>                                                                                                                                        |
| 08:50 | <b>Mathieu Etienne</b>    | Introduction                                                                                                                                          |
| 09:00 | <b>Mounir Tarek</b>       | Startup NEBULA                                                                                                                                        |
| 09:25 | <b>Christian Jelsch</b>   | Atomic electron density and derived energy functions: application to virtual screening                                                                |
| 09:50 | <b>Xavier Bellanger</b>   | Toward an innovative therapy using bacteriophage-containing biomaterials                                                                              |
| 10:15 | <b>Michael Badawi</b>     | The MULTIMINE Industrial Chair: A Multiscale Approach to Improve Iron Ore Processing                                                                  |
| 10:40 |                           | <b>Coffe break</b>                                                                                                                                    |
| 11:00 | <b>Cyril Elouard</b>      | Project QARNOT: Towards an operational framework for the nonequilibrium thermodynamics of many body quantum systems                                   |
| 11:25 | <b>Axel Gansmuller</b>    | Photo-NMR in-situ investigation of local structure and reaction kinetics                                                                              |
| 11:50 | <b>Liang Liu</b>          | Electrochemical video from counter electrode: The dream and the reality                                                                               |
| 12:15 |                           | <b>Lunch break and poster session</b>                                                                                                                 |
| 14:00 | <b>Robert Wojcieszak</b>  | DEEP-MIN: When industrial decarbonization challenges drive fundamental research                                                                       |
| 14:25 | <b>Francesca Ingrosso</b> | GreenMoMod: Simulations for Green Chemistry and Sustainable Energy                                                                                    |
| 14:50 | <b>Frédéric Aubriet</b>   | REALYTIC: How direct ultra-high-resolution mass spectrometry accelerates catalyst efficiency studies for lignocellulosic biomass pyrolysis conversion |
| 15:15 | <b>Philippe Pierrat</b>   | From biomass-derived graphene quantum dots to photo-chemoenzymatic catalysis: a scientific journey enabled by the GQD-BIOCAT project                  |
| 15:40 |                           | <b>Coffee break</b>                                                                                                                                   |
| 16:00 | <b>Samantha Soulé</b>     | Layered Double Hydroxides: from molecular confinement to photofunctional properties                                                                   |
| 16:25 | <b>Chris Chipot</b>       | Can We Replace Long Simulations with Intelligent Sampling                                                                                             |
| 16:50 | <b>Andreea Pasc</b>       | Light-controlled ion translocation through lipid membranes                                                                                            |
| 17:15 | <b>Mathieu Etienne</b>    | Conclusion                                                                                                                                            |