



## **CYCLE DE CONFÉRENCES DE CHIMIE**

*Avec le concours de : Université Clermont Auvergne  
INP Clermont Auvergne*

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**Jeudi 10 avril à 16 h**

Amphi Rémi (site des Cézeaux)

**Lucas CARVALHO VELOSO RODRIGUES**

Departamento de Química Fundamental (IQ) (São Paulo), University of São Paulo

### **Light-storage solids: trapping light in defects**

Persistent luminescence materials can store light energy and slowly release it, enabling applications from safety signage and sensing to bioimaging and medical diagnostics. The presentation will explore the design of such materials, the role of engineered defects in energy trapping, recent advances in glass composites and polymeric matrices, and the exciting frontier of re-excitable luminescence through upconversion for biomedical applications.

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