

Les mardis de  
**L'IAB**

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## **BRINGING LIGHT TO PATHOGENS: LIGHT- DRIVEN STRATEGIES FOR DISINFECTION OF PATHOGENS**

**27.JANUARY 2026 – 11 AM – LECTURE HALL**

The emergence of antimicrobial resistance has prompted the search for new strategies, aiming to find more efficient ways to kill microbial pathogens. In this sense, Photodynamic Antimicrobial ChemoTherapy (PACT) uses a combination of light, oxygen and a photosensitizer molecule to produce lethal reactive oxygen species, which have demonstrated to be highly effective against microorganisms and even against multiresistant microorganisms. During this talk, I will address the different challenges that surround the field, ranging from an efficient delivery of photosensitizers using natural biopolymers, while also addressing the delivery of light into a clinical scenario model, addressing the difficulties of biological experiments with two-variables to juggle with, technical challenges that hinder the application of this technique into the clinic.

**Invited by : Anne-Laure Bulin**

Twitter : IAB\_Officiel  
Website : <https://iab-grenoble.fr/>

Allée des Alpes, 38700 La Tronche (tram line B, stop : Grand Sablon)  
*The seminar is followed by discussions and exchanges with the speaker and a sandwich buffet is offered*