

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

