



UNIVERSITÀ
DI PARMA

DIPARTIMENTO DI SCIENZE
MATEMATICHE, FISICHE
E INFORMATICHE

50 years
SIBPA
Società Italiana di Biofisica Pura e Applicata
1973 - 2023



FONDAZIONE
DI PIACENZA E VIGEVANO

Photons & bugs

A workshop on photodynamic treatment of microorganisms

Thursday May 25, 2023

Centro congressi S. Elisabetta - Campus Universitario, Parma

Programme

14.00 Registration

14.30 *Photodynamic Inactivation as new tool to fight plant pathogens*

Kristjan Plätzer

Paris Lodron Universität Salzburg, Salzburg, Austria

15.00 *Mechanistic insights on blue light bacterial photoinactivation*

Santi Nonell

Istitut Quimic de Sarria, Universitat Ramon Llull, Barcelona, Spain

15.30 *Innovative light sources for in vivo antimicrobial inactivation*

Giovanni Romano

Università di Firenze, Firenze, Italy

16.00 *Targeting SARS-CoV-2 with PDI*

Pietro Delcanale

Università di Parma, Parma, Italy

16.30 *Antibacterial photodynamic therapy under visible light using N-doped titanium dioxide and gold nanoparticles: study of photodegradation effects on model molecules*

Giorgia Puleo

Università di Palermo, Palermo, Italy

16.45 *A modular phage vector platform for targeted photodynamic therapy of Gram-negative bacterial pathogens*

Paolo Emidio Costantini

Università di Bologna, Bologna, Italy

17.00 Conclusions

For information, contact Stefania Abbruzzetti (stefania.abbruzzetti@unipr.it) or Cristiano Viappiani (cristiano.viappiani@unipr.it).

