



# PEP2018 SUMMER SCHOOL

## Photothermal Effects in Plasmonics

*Special focus on Biology*



Porquerolles Island (France)

24 - 29 June 2018



## THE TOPICS

Basics of thermoplasmonics  
Cell biology for physicists  
Cell imaging  
Numerical simulations  
Thermal microscopies  
Thermophoresis and applications  
Fluid convection  
Thermal lensing  
Photothermal imaging  
Bubble formation  
Shock wave generation  
Photothermal cancer therapy  
Thermal stimulation of neurons  
Thermodynamics of DNA  
Photoacoustic imaging

## THE TEACHERS

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*and more...*

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