

Nitric Oxide Sensing by Photons

A workshop on fluorescent sensors for intracellular nitric oxide

Thursday April 10, 2025, h 14.00-17.00 Centro congressi Plesso delle Scienze -
Campus Scienze e Tecnologie, Parma

Genetically encoded fluorescent sensors allow real time visualization of cellular processes. The workshop proposes recent methodological and technical advances to detect and monitor intracellular nitric oxide or other molecular species. For young researchers it is possible to propose short oral communications. Among proposals received, selected contributions will be presented during the workshop.

Nitric Oxide Sensing by a Blue Fluorescent Protein

Thomas Gensch

Forschungszentrum Jülich (Germany)

Computational modeling and design of intracellular indicators based on Fluorescent Proteins

Riccardo Nifosi

Istituto di Nanoscienze, CNR, Pisa (Italy)

Nitric Oxide photorelease, self reporting and sensing

Salvo Sortino

Università di Catania (Italy)



Participation in the workshop is free and no registration fee is required. However, for organization purposes, please send a request to participate by April 4, 2025. Young researchers interested in submitting a communication on the topics of the workshop can send a short abstract by March 31, 2025. For information and registration contact

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