

13th December

NANODEVICES

9:00 – 10:00

Riccardo Bertacco – Physics
Department, Politecnico di Milano
New approaches to malaria diagnosis based on hemozoin nanocrystals

10:00 – 11:00

Gaetano Scamarcio – Physics
Department, Università degli Studi di Bari Aldo Moro
Biofunctionalized interfaces for molecule detection at the physical limit

11:00 – 11:30 **Coffee break**

11:30 - 12:30

Paolo Decuzzi – Italian Institute of Technology, Genova
Mechano-pharmacological activity of polymeric nanoconstructs for controlled drug delivery and biomedical imaging

12:30 – 12.45 **Closing remarks**

12:45 - 13:45 **Lunch**

Sponsor



Dipartimento di Scienze Chimiche e Farmaceutiche



Dottorato di Nanotecnologie



LIFE FROM INSIDE

Deadlines

Early bird registration: November 22nd

Late registration: December 6th

Abstract submission: November 22nd

Info

www.ba.ic.cnr.it/nanomedicine2019/
or write to nanomedicine2019@ic.cnr.it

Scientific Committee

T. Da Ros (University of Trieste & INSTM)

C. Giannini (CNR-IC & INSTM)

D. Peddis (University of Genoa, INSTM, CNR- ISM)

C. Sangregorio (CNR- ICCOM & INSTM)

Organizing Committee

T. Da Ros (University of Trieste & INSTM)

R. Lassandro (CNR-IC)

T. Sibillano (CNR-IC)

University of Trieste
11th – 13th December 2019

Main Campus
Building H3 – Room 3B, 3rd floor

School of Nanomedicine

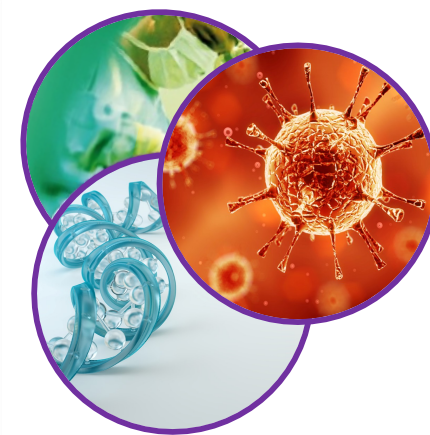
Topics:

Nanodrugs

Materials for Nanomedicine

From Bench to Bed

Nanodevices



Patronage



Science is School
Cultural Preservation

11th December

13:30 – 14:30 **Registration**

14:30 – 14:45 **Welcome speech**

NANODRUGS

14:45 – 15:45

Julijana Kristl – Faculty of Pharmacy – University of Ljubljana, Slovenia

Strategies for formulation of nanofibrous delivery systems for use in local treatment of periodontal disease

15:45 – 16:45

Lucia Curri – Chemistry Department – Università degli Studi di Bari Aldo Moro
Engineering surface chemistry of colloidal nanomaterials: tune nano-bio interface for biomedical applications

16:45 – 17:15 **Coffee break**

17:15 – 18:15

Francesco Ricci – Department of Chemical Sciences and Technologies – Università di Roma Tor Vergata
Nature-inspired tricks to control DNA-based nanodevices

18:30 – 20:00 **Poster session**

12th December

MATERIALS FOR NANOMEDICINE

9:00 – 10:00

Christian Demitri – Engineering for Innovation Department – Università del Salento, Lecce

Chemical physical properties of hydrogels for biomedical applications

10:00 – 11:00

Teresa Pellegrino – Italian Institute of Technology, Genova

Magnetic hyperthermia combined with drug delivery exploiting magnetic nanoparticles-based platforms to tackle cancer

11:00 – 11:30 **Coffee break**

11:30 – 12:30

Maria Grazia Raucci – Institute of Polymers, Composites and Biomaterials (IPCB-CNR), Napoli

Effect of functionalized polymers on cellular response

12:30 – 13:30

Anna Tampieri – Institute of Science and Technology of Ceramics (ISTEC-CNR), Faenza

Nature inspires nano-structured materials and particles for tissue regeneration and theranostics

13:30 – 15:00 **Lunch**

12th December

FROM BENCH TO BED

15:00 - 16:00

Maurizio Prato – Department of Chemical and Pharmaceutical Sciences – Università degli Studi di Trieste
Nanostructured interfaces for applications in biology and medicine

16:00 – 17:00

Roberto Pini – Institute of Applied Physics "Nello Carrara" (IFAC-CNR), Pisa
Light-enhanced plasmonic nano-platforms for tumor theranostics and sensing of neurodegenerative diseases

17:00 – 17:30 **Coffee break**

18:00 – 19:30 **Special session**

Science is cool!

Paolo Netti & Pietro Greco conversation

[open to the public audience – In Italian]

20:30 **Social Dinner**