



PROGRAMMA

Giovedì 3 Luglio

8.30 – 9.00 **Welcome & registration**

9.00 – 10.45 **I Scientific highlight session**

Chair: **Luigi Paduano**

- **Antonello Merlino**
Exploring the molecular mechanisms of metal-based pharmacological agents via X-ray crystallography
- **Giovanna Fragneto**
Neutron reflectometry probes density profiles of proteins adsorbed onto polymer brushes
- **Viviana Cristiglio**
Liquids and glasses structures: in situ container-less neutrons scattering experiments combining with atomistic models
- **Antonino Pietropaolo**
The Frascati Neutron Generator and ^3He -free triple GEM thermal neutron detector

10.45 – 11.10 **Coffee break**

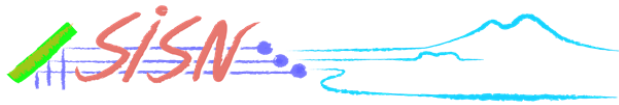
11.10 – 12.45 **II Scientific highlight session**

Chair: **Tatiana Guidi**

- **Patrizio Console Camprini**
New Sorgentina Fusion Source (NSFS) Experimental Facility: Supporting Materials Research

Con il patrocinio di:





Clip talk

- **Ernesto Scoppola**
Solvent Extraction: Liquid-Liquid Interfaces by x-Ray and Neutron Reflectivity
- **Antonella Campanella**
Nanocomposites composed of HEUR Polymer and Magnetite nanoparticles: Structure and magnetic response of the hydrogel and dried state.
- **Silvia Moscatelli**
The Self-assembly and polymorphism of 5'-guanosine monophosphate in the presence of excess ions
- **Alessandra Luchini**
Structural Characterization of Iron Oxide Based Nanoparticles: Why Core is more promising than Core-shell
- **Caterina Ricci**
Hsp60 can modify amyloid β peptide aggregation: a preliminary study

12.45 – 14.30 **Lunch break**

14.30 – 16.15 **Le infrastrutture per la Neutronica in Europa: stato e prospettive**

Chair: **Fabio Bruni**

- **Caterina Petrillo**
The ESS project : status and perspectives
- **Ubaldo Bafile**
Present status and near-future perspectives of Italian neutron research at ILL
- **Antonella Scherillo**
The Italian activity at the ISIS pulsed neutron source
- **Riccardo Faccini**
The IRIDE neutron source
- **Thomas Gutberlet**
BER II Neutron Facility at HZB
- **Flavio Carsughi**
Heinz Maier-Leibnitz Zentrum

16.15 – 17.15 **Scientific coffee: coffee break & poster session**

17.15 – 19.00 **Assemblea dei soci della Società Italiana di Spettroscopia Neutronica**

20.00 **Cena sociale**

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Venerdì 4 luglio

9.00 – 10.30 III Scientific highlight session

- **Frank Gabel**
Small angle neutron scattering: a powerful tool for structural biology of complex macromolecules in solution
- **Giuseppe Vitiello**
Structural investigation on liposomes containing Hopanoid-Lipid A: a new component of bacterial outer membranes
- **Marco Maccarini**
Functional nanostructure of the Pseudomonas aeruginosa OprF protein incorporated into a tethered lipid bilayer membrane
- **Michele Prata**
L.E.N.A. – Laboratory of Applied Nuclear Energy of the University of Pavia – Neutron Facilities and Main Activities

10.30 – 11.00 Coffee break

11.00 – 12.45 IV Scientific highlight session

- **Luca Bindi**
Natural quasicrystals: Messengers from outer space
- **Andrea Piovano**
New insights into the low temperature oxygen mobility mechanism in perovskite related materials
- **Valentina Preziosi**
Morphology of mesoporous bicontinuous emulsions as probed by rheo-optical analysis and SANS
- **Nicolò Violini**
DREAM: Diffraction Resolved by Energy and Angle Measurements: A bispectral powder diffractometer for the future ESS source

12.45 Conclusioni e Saluti

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Poster session

- **Federica Acampora**
PVA nanogels: kinetic and structural determination
- **Michele Baglioni**
Micellar Systems for the Removal of Polymer Coatings from Wall Paintings – a Study on the Nano-Structure and the Cleaning Mechanism
- **Enrico Jr. Baldassarri**
A cation-templated “fully-anti” dodecamer formed by a (5'S)-5',8-cyclo-2'-deoxyguanosine derivative
- **Lucia Capogna**
Magnetisation in triple layer ruthenate Sr₄Ru₃O₁₀: a polarized neutron diffraction study
- **Patrizio Console Camprini**
New Sorgentina Fusion Source (NSFS) Experimental Facility: Supporting Materials Research
- **Viviana Cristiglio**
D16 diffractometer at the ILL
- **Giuseppe Rosario Del Sorbo**
Defining the Structure of Nanoparticle Organic Coating: an Important Step in the Development of Novel Theranostic Agents
- **Anna Fedrigo**
Case study for a Vibrational Spectroscopy Instrument at the European Spallation Source
- **Ferdinando Formisano**
The CRG BRISP at ILL
- **Yuri Gerelli**
Partnership for Soft Condensed Matter
- **Tatiana Guidi**
LET cold neutron multi-disk chopper spectrometer at ISIS
- **Tatiana Guidi**
The ISIS pulsed neutron source
- **Thomas Gutberlet**
BER II Neutron Facility at HZB
- **Francesca Natali**
The thermal backscattering spectrometer CRG-IN13 at ILL
- **Marco Perfetti**
Functionalized ZnO Nanoparticles: a Suitable Tool for Innovation in Optoelectronics and Biosensing
- **Antonino Pietropaolo**
The Frascati Neutron Generator
- **Antonino Pietropaolo**
³He-free triple GEM thermal neutron detector
- **Andrea Piovano**
IN8: the high flux thermal triple axis instrument at ILL
- **Irene Russo Krauss**
X-ray crystallography gives you the frames to build a beautiful movie
- **Antonella Scherillo**
INES, The Italian Neutron Experimental Station @ ISIS
- **Ernesto Scoppola**
Solvent Extraction: Liquid-Liquid Interfaces by x-Ray and Neutron Reflectivity

Con il patrocinio di:

