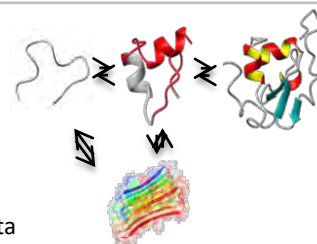


"Conformational equilibria: NMR beyond structures"



July 15th, 2019

Centro residenziale studi della Scuola Nazionale dell' Amministrazione, Corso Trieste 2, Caserta

NMR is a robust and versatile tool for chemists and biologists that is well known for its use in structure determination and dynamics of macromolecules. This NMR day wishes to highlight to a broad community, including non-NMR specialists, the potentials that NMR offers in molecular interactions, drug-screening and design, metabolomics and in the study of macromolecules in a cellular context.

Scientific program

9.30-10.15 **Registration**

10.15-10.30 **Welcome and Opening: GIDRM board**

Chair: Luigi Russo (Università della Campania - Luigi Vanvitelli)

10.30-11.00 **Fabio Arnesano (Università di Bari – Aldo Moro)**

NMR characterization of dynamic processes involving metal ions

11.00-11.30 **Marilysa Leone (IBB – CNR Napoli)**

Peptides against Sam domains: conformational analysis and interaction studies

11.30-12.00 **Mario Piccoli (Università di Firenze)**

NMR of Metalloproteins: old methods, new stories

12.00-12.30 **Brigida D'Abrosca (Università della Campania - Luigi Vanvitelli)**

NMR-based metabolomic approach for the screening of Mediterranean plants as valuable source of bioactive compounds

12.45- 14.30 **Lunch***

Chair: Antonio Fiorentino (Università della Campania - Luigi Vanvitelli)

14.30-15.00 **Daniel Cicero (Università di Roma Tor Vergata)**

The Papilloma virus E2 DNA binding domain: a unique fold with unique properties for multiple regulatory functions in the viral life cycle

15.00-15.30 **Delia Picone (Università di Napoli – Federico II)**

NMR based studies of protein self-assemblies: behind amyloid aggregation processes

15.30-16.00 **Carla Isernia (Università della Campania - Luigi Vanvitelli)**

The effects of the metal ion replacement on the folding mechanism in the prokaryotic zinc-finger domain Ros87

16.00-16.30 **Annamaria D'Ursi (Università di Salerno)**

Peptides from viral envelope glycoprotein: NMR structure and beyond

16.30 **Concluding remarks**

Scientific Committee

Marco Geppi, Michele Chierotti, Lucia Calucci, Donatella Capitani, MariaPina D'Onofrio, Roberto Fattorusso, Gaetano Malgieri, Giuseppe Pileio, Paola Turano

INFORMATION

Participants are required to register following instructions on the GIDRM website: www.gidrm.org. Deadline for registration is July 12th

Registration fees:

50 € for non-GIDRM members (the fee includes GIDRM 2019 subscription);

30 € for GIDRM members

Contacts: caserta2019@gidrm.org



*Lunch offered by SOL



SOL