



UNIVERSITÀ
di VERONA

PHD School
in NATURAL SCIENCES
AND ENGINEERING

GIDRM
Gruppo Italiano Discussione Risonanze Magnetiche

Con il patrocinio di

SIB GRUPPO PROTENE
SOCIETÀ ITALIANA DI BIOCHIMICA
E BIOLOGIA MOLECOLARE

GIDRM day

"Protein Structure-Function Relationship: new challenges and advancements"

October 19th, 2018

University of Verona, Strada le Grazie 15 Verona

The goal of this event is to bring together the Italian community interested in structural and functional studies of proteins and complex biomolecular systems with a high impact on biological research. A particular emphasis is placed on the integration of the different methodologies to unravel the molecular mechanisms underlying cellular processes.

An informal poster session will be available for PhD students who wish to show their recent work, with the aim to enlarge the network of collaborations within the scientific community interested in the study of proteins. For organization reasons please express your interest in the poster session by sending an email to: verona2018@gidrm.org.

Scientific program

9.30-10.00 **Registration**

10.00-10.15 **Welcome and Opening:** GIDRM board

10.15-11.00 **Andrea Musacchio** (Max-Planck Institute Dortmund)

The kinetochore: mastermind of cell division

11.00-11.30 **Enrica Bordignon** (Ruhr-Universität Bochum)

Proteins' dynamics, hydration and conformational changes studied by EPR

11.30-12.00 **Claudia Napoli/Francesca Benevelli** (Bruker Biospin)

Identity and Higher Order Structure of Biologics

12.00-12.40 **Guido Pintacuda** (Université de Lyon)

Fast magic-angle spinning NMR of membrane proteins

12.40- 14.00 **Lunch and poster session**

14.00-14.45 **Guido Grandi** (University of Trento)

Synthetic Biology of E. coli Outer Membrane Vesicles: a novel approach to infectious disease and cancer vaccines

14.45-15.15 **Roberta Pierattelli** (University of Firenze)

The heterogeneous structural behaviour of viral proteins revealed by NMR spectroscopy

15.15-15.45 **Alessandro Paiardini** (University of Roma "La Sapienza")

Even better than the real thing: computational modeling of proteins and their interactions with small molecules

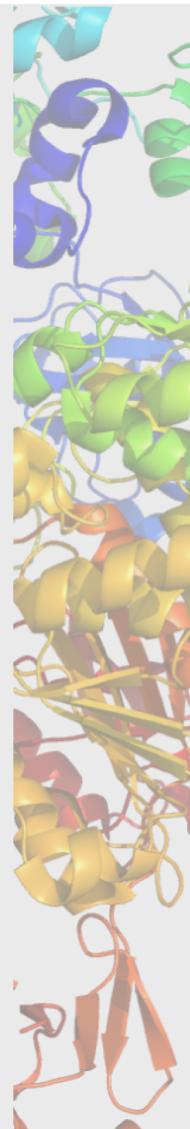
15.45-16.15 **Alessandra Pesce** (University of Genova)

The globin superfamily: a never-ending story

16.15-16.45 **Giovanna Musco** (Ospedale S. Raffaele HRS, Milano)

Ligand based NMR methods on isolated cell membranes: a useful tool in the identification of integrin $\alpha\beta 3$ allosteric inhibitors

16.45 **Concluding remarks**



SCIENTIFIC COMMITTEE

Michael Assfalg, Alessandra Astegno, Lucia Calucci,
Donatella Capitani, Michele Chierotti, Paola Dominici,
Mariapina D'Onofrio, Marco Geppi,
Giuseppe Pileio, Paola Turano

INFORMATION

Participants are required to register following the instructions at the GIDRM website: www.gidrm.org.

Deadline for registration is October 10th

Registration fees:

50 € for non-GIDRM members (the fee includes GIDRM 2018 subscription);

30 € for GIDRM 2018 members.

Contacts: verona2018@gidrm.org

