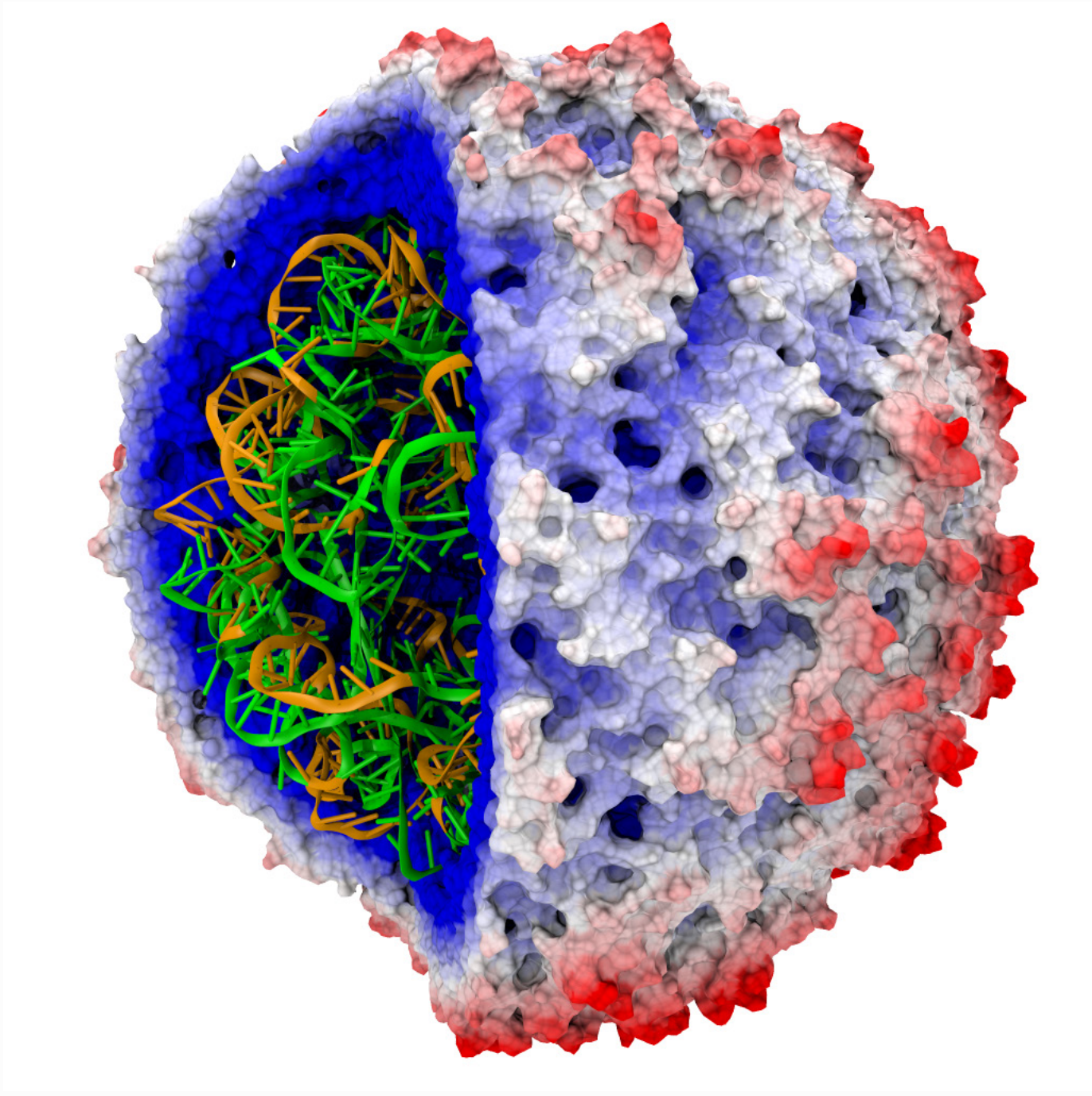
10th Edition of International Conference on

STRUCTURAL BIOLOGY



March 15-16, 2018
BARCELONA, SPAIN

EuroSciCon

Agenda Day 1: March 15, 2018

09:30-10:00 **Registration**

10:00-10:30 Opening Ceremony

Keynote Forum

10:30-11:00 **Title: Combining X-ray and cryo-EM to study large and dynamic macromolecular complexes**

Holger Stark , Max-Planck-Institute for Biophysical Chemistry, Germany

11:00-11:30 **Title: DNA Confined: Comparison of simulation and Cryo-EM**

B. Montgomery Pettitt, University of Texas Medical Branch, USA

Coffee Break 11:30-11:50 @ BAR TERRAZA

Sessions: Biophysics | Multi Scale Modelling Simulation & Molecular Graphics | Computational Chemistry

Session Chair: Richard Neutze, University of Gothenburg, Sweden

Session Introduction

11:50-12:15 **Title: Time-resolved diffraction experiments at an X-ray free electron laser reveals structural changes in bacteriorhodopsin**

Richard Neutze, University of Gothenburg, Sweden

12:15-12:40 **Title: The physical origin of hydrophobicity**

Joze Grdadolnik, National Institute of Chemistry, Slovenia

Group Photo

Lunch Break 13:00-14:00 @ BAR TERRAZA

14:00-14:25 **Title: NMR Structure determination of the 108kDa discoidal HDL particle**

Stefan Bibow, University of Basel, Switzerland

14:25-14:50 **Title: Mechanism of a bacterial multidrug ABC ("ATP-Binding Cassette") transporter, BmrA, probed by H/D exchange and solid-state NMR**

ault Jean-Michel, Université de Lyon, CNRS, France

14:50-15:15 **Title: Water tracking as an alternative method for tunnels search in proteins core**

Artur Gora, Silesian University of Technology, Poland

15:15-15:40 **Title: Kinetic analysis of conditional frameshifting regimes in bacteria**

Neva Caliskan, Helmholtz Institute for RNA-based Infection Research, Germany

15:40-16:05 **Title: Binding and mechanism for the MEEVD-TPR2A Peptide–Protein association and modeling the interaction of dengue proteins with neutralizing antibodies**

Mauro Lapelosa, Italian Institute of Technology, Italy

16:05-16:30 **Title : Excited state structural dynamics of retinal isomerization revealed by a femtosecond X-ray laser**

Jörg Standfuss, Paul Scherrer Institute, Switzerland

Panel Discussion

Coffee Break 16:45-17:05 @ BAR TERRAZA

Agenda Day 2: March 16, 2018

Sessions: Multi Scale Modelling, Simulation & Molecular Graphics | Biophysics | 3D Protein Structure Predictions | Crystallography | Biomarkers | Analytical Techniques

Session Chair: Salvador Ventura, Universitat Autònoma de Barcelona, Spain

Session Introduction

10:00-10:25 **Title : Repositioning Tolcapone as a potent inhibitor of transthyretin amyloidogenesis and its associated cellular toxicity**

Salvador Ventura, Universitat Autònoma de Barcelona, Spain

10:25-10:50 **Title: Regulation of the catalytic activity of the Human Phosphatase PTPN4 and its interaction with the MAPK p38γ**

Célia Caillet - Saguy, Institut Pasteur, France

Coffee Break 10:50 - 11:10 @ BAR TERRAZA

11:10-11:35 **Title: Reading specificity in the T-cell receptor repertoire**

Jacob Glanville, Distributed Bio, USA

Work Shop

11:35-12:55 **Title: AQUA-DUCT – idea, implementation, workflow and analysis**

Artur Góra, Tomasz Magdziarz, Karolina Mitusińska, Agata Raczyńska, Silesian University of Technology, Poland

Lunch Break 12:55-13:55 @ BAR TERRAZA

Young Research Forum

13:55-14:15 **Title: Protein aggregation and protein-membrane interactions of the matrix (MA) domain of HIV-1 Gag protein**

Viviana Monje-Galvan, The University of Chicago, USA

14:15-14:35 **Title: Characterization of protein-excipient interactions for designing formulation**

Sowmya Indrakumar, Technical University of Denmark, Denmark

14:35-14:55 **Title: Dynamics of Translocator protein**

Rajas Rao, Université de La Réunion, INTS, France

14:55-15:15 **Title: Cryo-Electron Microscopy of the human R2TP, an HSP90 co-chaperone complex**

Hugo Muñoz-Hernandez, Spanish National Cancer Research Centre, Spain

15:15-15:35 **Title : Biosorption of ETL dye from aqueous solution by low cost sorbent**

Yamina C, University of Mostaganem, Algeria

Coffee Break 15:35-15:55 @ BAR TERRAZA

Poster Presentations 15:55-16:30 @ MEETING ROOMS

STBPPS-01 **Title : Study of extrinsic Psb proteins of Photosystem II by solution nuclear magnetic resonance**

Adriana Rathner, Johannes Kepler University Linz, Austria

STBPPS-02 **Title: Understanding protein-excipient interactions and conformational stability for designing formulation**

Sowmya Indrakumar, Technical University Denmark

STBPPS-03

Title : Stormorken syndrome disease STIM1 protein studied by high resolution NMR

Petr Rathner, Johannes Kepler University Linz, Austria

STBPPS-04

Title : Mapping the Active Site of epsilon-Trimethyllysine Hydroxylase

Zelencova D, Latvian Institute of Organic Synthesis, Latvia

STBPPS-05

Title : Investigating the role of NS2B dynamics in dengue virus NS3 protease function

Kenneth Lee, National University of Singapore, Singapore

STBPPS-06

Title : MPGA: a mixed algorithm of matching pursuit and genetic algorithm for structure characterization of large intrinsically disordered proteins

Wei Liu, National University of Singapore, Singapore

STBPPS-07

Title : Antimacrobial activity and synthese of Thiosemicarbazide amino acid derives

Yamina C, University of Mostaganem, Algeria

STBPPS-08

Title : Biosorption of ETL dye by Arundo-donax sorbent: box-behnken optimization, equilibrium and kinetic studie

F. Ouazani, University of Mostaganem, Algeria

E-Poster Presentation

STNEPS

Title : Experimental inoculation in pregnant sows with Bovine Viral Diarrhea virus 2

Pereira D.A, University State of São Paulo, Brazil

Panel Discussion

Closing & Award Ceremony

Speaker Representations

Media Partners

Collaborators

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