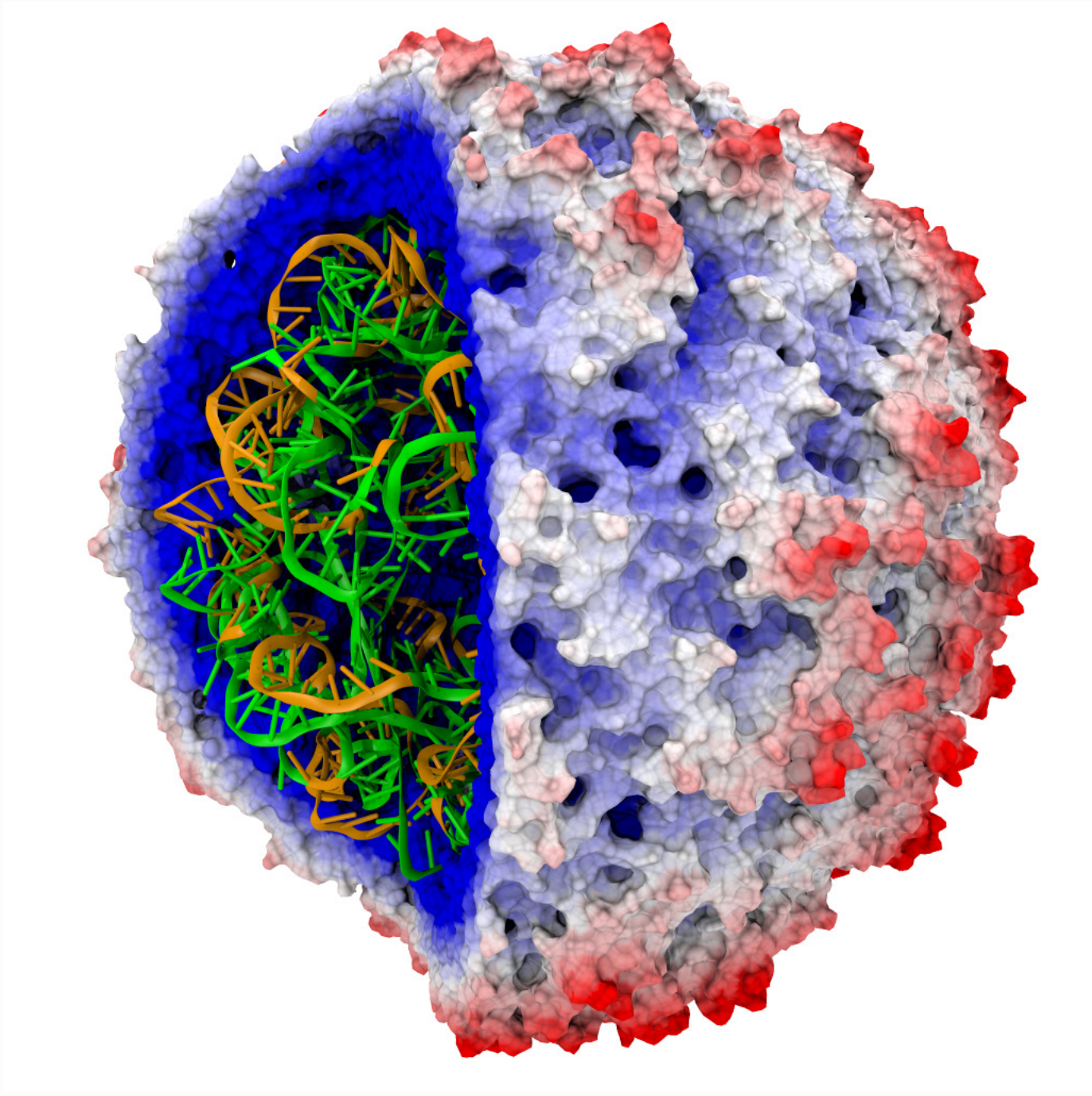
10th Edition of International Conference on

# 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 12:40-13:00**

**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

**Workshop**

**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**

# Mark your Calender

11th Edition of International Conference on

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## March 07-08, 2019
## Berlin, Germany

EuroSciCon