

PROGRAM

Tuesday, June 22nd 2021

SESSION 1

3:00 – 4:00 pm CEST

Welcome

by Harald Schwalbe

Martin Beck - MPI Frankfurt, Germany

"In situ structural analysis of the spike protein."

Claudia Höbartner - University of Würzburg, Germany

"How antiviral nucleoside analogs interfere with SARS-CoV-2 replication."

Ángel Cantero - Universidad Católica de Valencia, Spain

"The structure of PRF RNA region of SARS-CoV-2"

Break 4:00 –4:10 pm CEST

SESSION 2

4:10 – 5:10 pm CEST

Andreas Pichlmair - TU Munich, Germany

"Multi-level proteomics reveals host-perturbation strategies of SARS-CoV-2 and SARS-CoV"

Alfredo Castello - MRC-University of Glasgow, UK

"When SARS-CoV-2 RNA met the cell: a story of protein-RNA interactions"

Àlvaro Simba - Universidad Católica de Valencia, Spain

"The structure of the 5SL3 RNA hairpin of SARS-CoV-2"

Break 5:10 – 5:20 pm CEST

SESSION 3

5:20 – 6:30 pm CEST

Mihaela Rita Mihailescu - Duquesne University, PA, USA

"The s2m Element Dimerizes via a kissing-complex intermediate and interacts with miR-1307-3p"

Denisa Bojkova - University Hospital Frankfurt, Germany

"Host targets for COVID-19 therapy"

Hashim Al-Hashimi - Duke University, NC, USA

"Application of NMR to determine ensembles of RNAs and their utility in drug discovery"

Yeongjoon Lee - University of Colorado, Denver, CO, USA

"Recent discoveries on Nsp7"

Break 6:30 – 6:40 pm CEST

SESSION 4

6:40 – 8:00 pm CEST

Megan Kelly - Duke University, NC, USA

"Ensemble-based virtual screening of SARS-CoV-2 RNA targets"

Ícaro P. Caruso - Federal University of Rio de Janeiro, Brazil

"Structural insights into SARS-CoV-2 nucleocapsid N-terminal domain binding to transcriptional regulatory sequences reveal the role of specificity on melting activity and liquid-liquid phase separation."

Ivan Dikic - IBC II University Hospital Frankfurt, Germany

"Therapeutic targeting of SARS-CoV-2 proteases and host innate immunity"

Jeffrey Evanseck - Duquesne University, Pittsburgh, PA, USA

"Dynamic and Structural Characterization of the s2m Conserved Element in SARS-CoV and SARS-CoV-2 using Molecular Dynamics"



Exploring the druggability of SARS-CoV-2

ON-LINE MEETING



SIGNALS

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