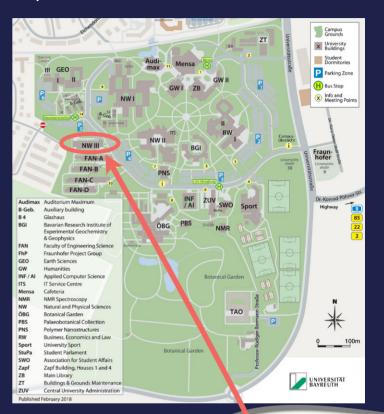


With presentations on Protein Engineering and Design

September 18th & 19th 2019





Universität Bayreuth NW III Lecture Hall H36

Contact:

Sekretariat.Biochemie@uni-bayreuth.de

https://www.pre-art.uzh.ch/

PRE ARI Symposium

with presentations on Protein Engineering and Design

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Place Universität Bayreuth NW III, Lecture Hall H36

Invited Speaker

Johan Aqvist, Uppsala University, Sweden Roberto Chica, Ottawa University, Canada Bruce Donald, Duke University, USA Ora Furman, Hebrew University, Israel Christophe Jung, LMU Munich, Germany Dafydd Jones, Cardiff University, UK Lynne Regan, Edinburgh University, UK **Dek Woolfson**, Bristol University, UK

Organizers

Birte Höcker, Universität Bayreuth, DE Anna Hine, Aston University, UK Andreas Plückthun, Zürich University, CH

Wednesday, Sept 18th

9:00 Welcome by **Birte Höcker**

9:05 Andreas Plückthun PRe-ART: Creating a Modular Binding System for Linear Epitope 9:45 **Dek Woolfson** (Bristol U)

Protein Design in Test Tubes, Computers and Cells

10:25 Coffee break

11:00 Roberto Chica (Ottawa U) Rational Design of Protein Energy Landscapes

11:40 **Yvonne Stark** (Zürich U) Selections for Peptides with Single Sidechain Resolution

12:00 Bruce Donald (Duke U) Computational Protein Design: Peptide Inhibitors, PPI Design, and Targeted Biologics (Antibodies)

12:40 Lunch break

13:40 **Johan Aqvist** (Uppsala U) Computation of Enzyme Cold Adaptation

14:20 **Josef Kynast** (Bayreuth U) Computational Design of Side Chain Recognition Modules

14:40 **Ora Furman** (Hebrew U) Structure-based Characterization and Design of Peptide Binding

15:20 Afternoon program

Thursday, Sept 19th

9:00 **Lynne Regan** (Edinburgh U) Understanding, Manipulating and Exploiting Protein Structure and Function 9:40 Anupama Chembath (Aston U)

Making Libraries for Pre-ART

10:00 **Erich Michel** (Zürich U) Increased Target Binding Specificity by Loop Extensions

10:20 Coffee break

10:50 Christophe Jung (LMU) True Equilibrium Measurement of Transcription Factor-DNA Binding Affinitie's Using Automated Polarization Microscopy

11:30 Dafydd Jónes (Cardiff U) Bottom-up Assembly of Bionanohybrids: Beyond Biology

12:10 Final remarks

