

# Time-resolved crystallography workshop

January 18 – 20, 2023

IBMC – CNRS – Unistra

2, allée Conrad Roentgen, 67084 Strasbourg

## Wednesday, January 18

9-10:30 – seminar room of IBMC

Intro to workshop, Arwen Pearson (UHH)

High quality sample preparation for structural studies, Ashwin Chari (MPI Göttingen)

Controlled crystallization, Claude Sauter (IBMC)

Break

11-12:30 – seminar room of IBMC

### ***Combining time-resolved serial data and ultra-high resolution X-ray crystal structures to probe enzyme mechanism***

Ashwin Chari (MPI Göttingen) & Arwen Pearson (Uni Hamburg – DESY – HARBOR)



14:30 - 16:30 – room 94 of IBMC

Sample delivery for time-resolved studies, Pedram Mehrabi (UHH)

Powder crystallography & crystallization for MX and S(S/F)X, Dimitris Triandafillidis (UHH)

Lab demos: Xtal controller, microfluidics, T-REXX sample mounting

## Thursday, January 19

9-10:30 – seminar room of IBMC

Hydrogen Deuterium Exchange mass spectrometry, Thomas Botzanowski (Novalix)

Chemical probes for time resolved SFX, Marty Rogers (UHH)

Kinetic microcalorimetry (Kin-TC), Eric Ennifar (IBMC)

Break

11-12 – seminar room of IBMC

### ***Prospects and limitations in high-resolution cryo-EM***

Holger Stark (MPI & Uni Göttingen)



## Friday, January 20

9-12 – Tour of Novalix, 16 rue d'Ankara, 67000 Strasbourg



## Prof. Arwen Pearson

*DESY - HARBOR - University of Hamburg*  
&

## Dr. Arshwin Chari

*Max Planck Institute for multidisciplinary sciences &  
University of Göttingen*

Feront un séminaire le :

**Mercredi 18 janvier 2023 à 11h**

intitulé

**«Combining time-resolved serial data and ultra-high resolution X-ray  
crystal structures to probe enzyme mechanism»**



Organisation : Claude Sauter  
Salle des séminaires de l'IBMC – 2 allée Konrad ROENTGEN - Strasbourg



## Prof. Holger Stark

*Max Planck Institute for multidisciplinary sciences &  
University of Göttingen*

Fera un séminaire le :

**Jeudi 19 janvier 2023 à 11h**

intitulé

**«Prospects and limitations in high-resolution  
cryo-EM»**



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