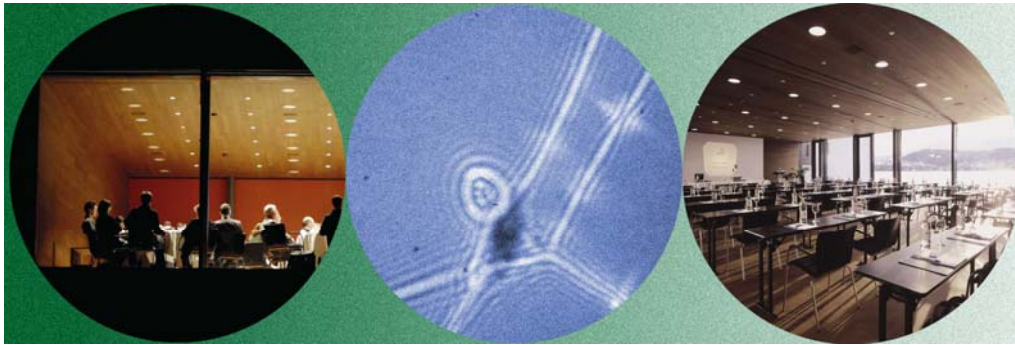
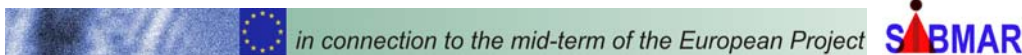


## Current Trends in Structural Biology on the Single Molecule Level



Hotel Seeburg, Luzern (<http://www.hotelseeburg.ch/>) - Switzerland - January 26<sup>th</sup> until 29<sup>th</sup> 2009



### Program

**Monday**, January 26<sup>th</sup> 2008

Arrival and dinner at Hotel Seeburg

**Tuesday**, January 27<sup>th</sup>

9:00 Welcome and Introduction

*Agatha Keller and Hans-Werner Fink* (SABMAR partner Zurich)

*Each presentation should not be longer than 45 minutes*

9:20 **Electron Holography** (Chairman: N.N.)

High Energy Electron Holography

*Hannes Lichte (University of Dresden)*

Holography with Low Energy Electrons

*Roger Morin (CNRS Marseille)*

Efforts towards Atomic Resolution in Low Energy Electron Holography

(SABMAR partner University of Zurich)

**Numerical Hologram Reconstruction** (Chairman: N.N.)

X-ray Holography

*Axel Rosenhahn (University of Heidelberg) not yet confirmed*

Reconstruction of Low Energy Electron Holograms

(SABMAR partner University of Zurich)

**Coherent Diffraction and Oversampling** (Chairman: N.N)

Iterative Phase Retrieval from Oversampled Diffraction Patterns

*John Miao (University of California at Los Angeles)*

19:00 Dinner

**Wednesday, January 28<sup>th</sup>**


9:00 The PSI X-ray Free Electron Laser Project  
*Bruce Patterson (Paul Scherrer Institute)*

Coherent Diffraction with Low Energy Electrons  
*Elvira Steinwand and Jean-Nicholas Longchamp (University of Zurich)*

**Graphene and its Applications in Imaging Molecules** (Chairman: N.N)

Low Energy Electron Microscopy of Graphene  
*Ruud Tromp (IBM Research Division, Yorktown Heights)*

Imaging Single Molecules on Graphene in the TEM  
*Jannik Meyer (University of Ulm)*

The Discovery of Graphene: Properties and Applications  
 partner University of Manchester)


Electron Transmission through Free Standing thin Films by Scanning Low Energy Electron Microscopy  
 partner Institute of Scientific Instruments, Brno)


**Single Molecule Experiments** (Chairman: Heinz Gross)

Electron Cryo Microscopy of Single Molecules  
*Marin van Heel (Imperial College London)*

19:00 Dinner

**Thursday, January 29<sup>th</sup>**

9:00 Experiments with Individual DNA molecules  
 partner University of Zurich)

Modifying DNA Molecules and Interfacing them to Solid State devices  
 partner Jena)

12:00 Summary, discussion, lunch, departure

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