



**Getting the most  
from the ESRF macromolecular crystallography beam-lines.**

**Grenoble 2<sup>nd</sup> – 5<sup>th</sup> February 2009**

**Final Program**

**Monday 2<sup>nd</sup> February**

*Central Building Entrance Hall*

08:30 – 09:00: Registration

*CIBB Meeting room 214*

**Chair: D Nurizzo**

09:00 – 10:15: An introduction to data collection theory

*E. Hough (University of Trømsø)*

*10:15 – 10:45: Coffee*

10:45 – 11:45: Better data collection practices

*S. McSweeney (ESRF)*

11 :45 – 12 :45: Radiation Damage

*M. Weik (IBS, Grenoble)*

*12:45 – 14:00: Lunch*

**Chair: S McSweeney**

14:00 – 14:30: Kappa goniometers

*A. McCarthy (EMBL, Grenoble)*

14:30 – 15:30: Calculating strategies for data collection

*A. Popov (ESRF)*

*15:30 – 16:00: Coffee*

16:30 – 17:00: Crystal screening – The DNA/EDNA project

*O. Svensson (ESRF)*

17:00 – 18:00: Long wavelength data collection – why & how?

*G. Leonard (ESRF)*

## Tuesday 3<sup>rd</sup> February

### Chair: G Leonard

09:00 – 10:00: Collecting data on microfocus beam-lines

*P. Edwards (MRC-LMB, Cambridge, U.K)*

10:00 – 11:00: Data Processing & Scaling

*H. Powell (MRC-LMB, Cambridge, U.K)*

*11:00 – 11:30: Coffee*

11:30 – 12:30: Has my experiment worked? MAD/SAD

*T. Schneider (EMBL, HH)*

*12:30 – 14:00: Lunch*

### Chair: M Bowler

14:00 – 15:00: Has my experiment worked? MR

*S. Panjekar (EMBL, HH)*

15:00 – 15:45: Getting better diffraction – on-line crystal dehydration

*J. Sanchez-Weatherby (EMBL, Grenoble)*

*15:45 – 16:15: Coffee*

16:15 – 17:00: Off- and on-line spectrophotometry

*D. Bourgeois (IBS, Grenoble)*

17:00 – 17:30: On-line X-ray fluorescence emission analysis

*C. Muller-Dieckmann (ESRF)*

17:30 – 18:15: The ESRF SAXS Beam-line

*A. Round (EMBL, Grenoble)*

19:00 - Dinner

## Wednesday 4<sup>th</sup> February

*ESRF Users' Meeting*

*Joint Poster Session 18h30 – 19h50*

## Thursday 5<sup>th</sup> February

### **Beamline Practicals**

*The students will be divided into four groups and they will have demonstrations on four beamlines: ID14-1, ID14-2, ID23-1 and ID23-2*

#### *ID14-1*

*The Data Collection Pipeline, automatic centering, DNA and MXCube*

*X. Thibault (morning) and E. Gordon (afternoon)*

#### *ID14-2*

*Using the crystal dehydration device*

*M. Bowler (morning) and J Weatherby (afternoon)*

#### *ID23-1*

*Using the Mini-Kappa, long wavelength data collection, XRF*

*D. Flot (morning) and D. Nurizzo (afternoon)*

#### *ID23-2*

*The microfocus beamline, data collection on small crystals, demonstration of BEST*

*D. De Sanctis (morning) and C. Mueller Dieckmann (afternoon)*

*S. Popov (BEST demo. morning and afternoon)*

*The times of the practicals will be as follows :*

*08h30 – 10h30 , 10h30 – 12h30, 14h00 – 16h00, 16h00 – 18h00*

*Coffee Breaks : Coffee will be available in meeting room 18.1.11 from **10h00** and **15h30***