6th TID Workshop on Biocrystallography with Synchrotron Radiation
Poznań, 7 - 9 April 2008

P R O G R A M M E

Monday, 7 April	8:30 - 8:35	**Welcoming remarks** *Mariusz Jaskólski,* Head of CBB
	8:35 - 8:45	**Welcoming remarks** *Wojciech Markiewicz* Director of IBCh
	8:45 - 8:50	**Introduction to the Workshop (practical matters)** *Mariusz Jaskólski and Wojciech Rypniewski*
	8:50 – 9:50	Lecture I: **Structure genomics** **Paul Tucker**
	9:50 - 10:15	Coffee Break
	10:15 - 13:15	**Training Session 1**
	13:15 - 14:30	Lunch
	14:30 – 15:30	Lecture II: **The automation of macromolecular crystallisation** ***Jochen Müller-Dieckmann***
	15:30 - 15:45	Break
	15:45 – 18:45	**Training Session II**
	18:45	Dinner
Tuesday, 8 April	8:30 - 9:30	Lecture III: **Theory and practice of X-ray data processing** *Dominika Borek*
	9:30 - 9:45	Break
	9:45 - 12:45	**Training Session III**
	12:45 - 14:00	Lunch
	14:00 - 15:00	Lecture IV: **The *Auto*-Rickshaw system – validation** **of the X-ray experiment at the synchrotron beamline** *Santosh Panjikar*
	16:15 – 17:00	Organ Concert in Parish Church
	19:00	Gala Dinner

Wednesday, 9 April	8:30 - 9:30	Lecture V: **A quantitative approach to data collection strategy** *Alexander Popov*
	9:30 - 9:45	Break
	9:45 - 12:45	**Training Session IV**
	12:45 - 14:00	Lunch
	14:00 - 15:30	Lecture VI: **Synchrotron data collection demo** *Mirek Gilski*
	15:30 - 15:45	Break
	15:45 - 18:45	**Training Session V**
	18:45	Dinner

Notes

Lectures:

1. Structure genomics	*Paul Tucker*
2. Protein crystallization and pipelining	Jochen Müller-Dieckmann
3. Theory and practice of X-ray data processing	Dominika Borek
4. A quantitative approach of data collection strategy	Alexander Popov
5. The *Auto*-Rickshaw system – validation of the X-ray experiment at the synchrotron beamline	Santosh Panjikar
6. Synchrotron data collection demo	Mirek Gilski

Practical training sessions:

1. Crystallization	J. Müller-Dieckmann
2. X-ray diffraction practical	W. Rypniewski
3. The BEST strategy of data collection	A. Popov
4. Data processing (HKL-2000)	D. Borek
5. Structure solving pipeline (*Auto*-Rickshaw)	S. Panjikar

Each training session takes about 3 hours.

Additional time may be taken in the evening, if needed, e.g. to check the results of the practical sessions.

The training schedule

The training schedule assumes 5 groups (20 students) doing the practical sessions according to the following scheme.

Plan of training sessions

ROOM	Crystallization Lab 008	Diffraction Lab 006	Strategy Lab x	Processing Lab x	Phasing Lab x
TUTOR	**Müller-Dieckmann**	**Rypniewski**	**Popov**	**Borek**	**Panjikar**
Monday a.m.	1	2	3	4	5
Monday p.m.	5	1	2	3	4
Tuesday a.m.	4	5	1	2	3
Wednesday a.m.	3	4	5	1	2
Wednesday p.m.	2	3	4	5	1