

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

**P R O G R A M M E**

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

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

## Notes

### Lectures:

- |  |                         |
|--|-------------------------|
| 1. Structure genomics  | <i>Paul Tucker</i>      |
| 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 <i>Auto-Rickshaw</i> system – validation<br>of the X-ray experiment at the synchrotron beamline | Santosh Panjekar        |
| 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 ( <i>Auto-Rickshaw</i> ) | S. Panjekar         |

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

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