

**1st TID Workshop**  
on  
**Biocrystallography with Synchrotron Radiation**

Poznań, 28 November – 2 December 2005

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

<b>Monday, 28 Nov</b>	11:00 - 11:05	<b>Welcoming remarks</b> <i>Mariusz Jaskólski</i> <b>Head of CBB</b>
	11:05 - 11:10	<b>Welcoming remarks</b> <b>Director of IBCh</b>
	11:10 - 11:30	<b>Introduction to the Workshop</b> ( <i>practical matters</i> ) <i>Mariusz Jaskólski and Wojciech Rypniewski</i>
	11:30 - 12:30	<b>Introducing BIOXHIT</b> Lecture <b>I. Structure genomics</b> <i>Paul Tucker</i>
	12:30 - 14:00	Lunch
	14:00 – 15:00	Lecture <b>II. Purification and assessing of protein purity prior to crystallization</b> <i>Michał Sikorski</i>
	15:00 - 15:15	Break
	15:15 – 16:15	Lecture <b>III. Application of mass spectrometry for proteomics and protein structural studies</b> <i>Michał Dadlez</i>
	16:15 - 16:30	Break
	16:30 – 19:30	<b>Training Session 1</b>
	19:30	Dinner
<b>Tuesday, 29 Nov</b>	9:00 - 10:00	Lecture: <b>IV. Crystals, symmetry and X-ray diffraction</b> <i>Mariusz Jaskólski</i>
	10:00 - 10:30	Break
	10:30 - 13:30	<b>Training Session 2</b>
	13:30 - 14:30	Lunch
	14:30 - 15:30	Keynote Lecture <b>V. Strategy and Tactics of X-ray data collection</b> <i>Zbigniew Dauter</i>

	15:30 - 15:45	Break
	15:45 - 18:45	<b>Training Session 3</b>
	19:00	Dinner
<b>Wednesday, 30 Nov</b>	9:00 - 10:00	Lecture <b>VI. The automation of macromolecular crystallization</b> <i>Jochen Müller-Dieckmann</i>
	10:00 - 10:30	Break
	<b>10:30 - 13:30</b>	<b>Training Session 4</b>
	13:30 - 14:30	Lunch
	14:30 - 15:30	Lecture <b>VII. A quantitative approach to data collection</b> <i>Sasha Popov</i>
<b>strategies</b>		
	16:15 – 17:00	<b>Organ Concert in Parish Church</b>
	19:00	<b>Gala Dinner</b>
<b>Thursday, 1 Dec</b>	9:00 - 10:00	Lecture <b>VIII. The Auto-Rickshaw system -validation of the X-ray experiment at the synchrotron beamline</b> <i>Santosh Panjekar</i>
	10:00 - 10:30	Break
	10:30 - 13:30	<b>Training Session 5</b>
	13:30 - 14:30	Lunch
	14:30 - 15:30	Lecture: <b>IX. Some applications of synchrotron radiation</b> <i>Wojciech Rypniewski</i>
	15:30 - 15:45	Break
	15:45 - 18:45	<b>Training Session 6</b>
	19:00	Dinner
<b>Friday, 2 Dec</b>	7:30 - 08:30	Breakfast & check out conference hotel
	08:30 – 09:30	<b>Final meeting with organizing committee and transport to Poznan train station/airport</b>

## Notes

The following practical training sessions are planned:

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|---------------------|---------------------|
| 1. Wet lab methods  | M. Sikorski         |
| 2. Crystallisation  | J. Müller-Dieckmann |
| 3. X-ray practicals | W. Rypniewski       |

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|----------------------|------------------------------|
| 4. Data processing   | Z. Dauter                    |
| 5. The BEST strategy | A. Popov                     |
| 6. Phasing           | S. Panjekar, V.Parthasarathy |

Each training session takes about 3 hours.

*Additional time may be taken in the evening, if needed, eg. to check the results of the practical sessions (electrophoresis, crystallisation).*

The training schedule assumes 6 groups (ca. 24 students) doing the practical sessions according to the following scheme.

**Plan of training sessions (running chronologically from 1 to 6)**

	<b>Wet-lab</b>	<b>Cryst.</b>	<b>X-ray</b>	<b>Data Proc.</b>	<b>BEST</b>	<b>Phasing</b>
	<b>Sikorski</b>	<b>Müller-Dieckmann</b>	<b>Rypniewski</b>	<b>Dauter</b>	<b>Popov</b>	<b>Panjekar Parthasarathy</b>
<b>Monday p.m.</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Tuesday a.m.</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Tuesday p.m.</b>	<b>5</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Wednesday a.m.</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Thursday a.m.</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>1</b>	<b>2</b>
<b>Thursday p.m.</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>1</b>