

<p align="center">Perspectives of biotechnology 2nd Winter School of the Department of Medical Biotechnology Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University Rytró, Poland, 26-28 February 2016</p>	
26 February, Friday	
Time	
11:00	Departure from Krakow Meeting place: 3rd Campus of the Jagiellonian University; FB3B, Gronostajowa 7
13:00	Arrival to Rytró
14:00	Lunch
<p align="center">Session I <u>Mechanisms and therapies of cancer: prospects and challenges</u> Chairs: <i>Anna Kusienicka & Mateusz Jeź</i></p>	
15.00-15.30	Bożena Kamińska , Nencki Institute, Warsaw, Poland: <i>Epigenetic disturbances in tumors: cause or consequence?</i>
15.30 – 16.00	Marek Jakóbiak , Warsaw Medical University, Poland: <i>Novel strategies in tumor immunotherapy.</i>
16.00-16.30	Barbara Wegiel , Harvard University, USA: <i>Gene regulation in cancer.</i>
16.30 - 17.00	Coffee break
17.00-18.00	<u>Plenary lecture</u> Jacek Hołowka , Warsaw University, Poland: <i>Ethics of academic publications.</i>
19:00	Get-together
27 February, Saturday	
<p align="center">Session II <u>Perspectives of genetics and biotechnology</u> Chairs: <i>Iwona Bronisz & Szymon Czauderna</i></p>	
9.00 – 9.30	Halina Gabryś , Jagiellonian University, Krakow, Poland: <i>Glutamate receptor-like channels in plants: a role in light signaling?</i>
9.30 – 10.00	Jacek Kubiak , University of Rennes, France: <i>Delays and accelerations of the cell cycle clock: flexibility vs. robustness.</i>
10.00 – 10.30	Milena Damulewicz , Jagiellonian University, Krakow, Poland: <i>The role of heme oxygenase in the visual system of Drosophila melanogaster.</i>
10.30- 11.00	Piotr Stępień , University of Warsaw, IBB PAN, CENT UW, Poland: <i>Nucleo-mitochondrial conversations.</i>
11.00 - 15.00	Group discussion: planning experiments, discussion on results
13.00 – 14.00	Lunch

15.00 – 15.45	Plenary lecture Friedemann Kiefer , Muenster University, Germany: <i>Approaches to image vascular development and disease in the mouse.</i>
15.45-16.15	Coffee break
Session III Emerging technologies and prospects for therapies Chairs: Agnieszka Jaźwa & Jacek Stępniewski	
16.15 - 16.45	Michał Zembala , Silesian Center For Heart Diseases, Zabrze, Poland: <i>Stem cell for heart diseases: physician perspectives.</i>
16.45 – 17.15	Jacek Jassem , Gdansk Medical University, Poland: <i>Ups and downs of evidence based medicine.</i>
17.15 – 17.45	Józef Dulak , Jagiellonian University, Krakow, Poland: <i>Gene editing: should we be afraid of it?</i>
19:00	Dinner
28 February, Sunday	
Session IV Medical biotechnology Chairs: Monika Żukowska & Damian Klóska	
9.00 – 9.30	Sebastian Glatt , Malopolska Center of Biotechnology, Poland: <i>Integrated Structural Biology - structuring the functions.</i>
9.30 - 9.50	Maciej Cieśla , Lund University, Sweden: <i>Post-transcriptional regulation in embryonal stem cells functioning and tumor formation.</i>
9.50 – 10.10	Agata Szade , Jagiellonian University, Krakow, Poland: <i>In search for mechanisms of lymphocyte homing - transcriptional programs of high endothelium.</i>
10.10 – 10.30	Krzysztof Szade , Jagiellonian University, Krakow, Poland: <i>From stem cell to cancer stem cell and tumor - is there a common way of tumor development?</i>
10.30 - 10.50	Witold Nowak , King's College London, UK: <i>Vascular resident stem cells and their role in the development of atherosclerosis.</i>
11.00 – 13.00	Group discussion: planning experiments, discussion of results, writing manuscript
13.00 – 14.00	Lunch
14.00 – 15.00	Farewell meeting
15.00	Departure to Krakow