



# Conference on stem cells for disease modelling and therapy

**29-30 November 2023**  
**Jagiellonian University, Kraków**



## An Una Europa Focus Area

Conference, 2023 @Jagiellonian University



# Conference on stem cells for disease modelling and therapy

*Solidarity with Ukraine – European Universities*

*funding the cooperation with Ukrainian universities within EU alliances*

**29-30 November 2023, Kraków**

## Venue:

Campus of the 600<sup>th</sup> Anniversary of the Jagiellonian University Revival  
Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University; room: P1.2  
7 Gronostajowa Street, 30-387 Kraków  
On-site meeting with on-line transmission of the lectures.

## Day 1 – 29 NOVEMBER (Wednesday)

8:30 – 9:00	Registration and welcome coffee
9:00 – 9:15	Official opening of the Conference
9:15 – 10:00	Stem cells for disease modelling, drug research and therapy <i>Józef Dulak</i>
10:00 – 10:45	CRISPR/Cas9 gene editing technology <i>Jacek Stępniewski</i>
10:45 – 11:00	Discussion
<b>11:00 – 11:30</b>	<b>Coffee break</b>
11:30 – 11:50	Cardiac disease models: animals and iPSC-derived cells <i>Urszula Florczyk-Soluch</i>
11:50 – 12:10	Methods for analysing iPSC-derived endothelial cells <i>Agnieszka Łoboda</i>
12:10 – 12:30	Measuring cellular metabolism of iPSC-derived cells <i>Monika Binińska</i>
<b>12:30 – 13:30</b>	<b>Lunch break</b>
13:30 – 14:00	Induced pluripotent stem cells (iPSC) and CRISPR/Cas9 for modelling of Duchenne muscular dystrophy <i>Józef Dulak</i>
14:00 – 14:30	Patient-derived iPSC for modelling of neurological diseases <i>Jacek Stępniewski</i>
14:30 – 15:00	Stem cells in research and therapy of diabetes <i>Małgorzata Borowiak</i>



15:00 – 15:20	iPSC for modelling of Maturity-Onset Diabetes of the Young (MODY) <i>Neli Kachamakova-Trojanowska</i>
15:20 – 15:30	Discussion
<b>15:30 – 16:00</b>	<b>Coffee break</b>
16:00 – 17:00	Caring for patients with Duchenne muscular dystrophy: the physicians' perspective <i>An on-line meeting with physicians from Medical University of Gdańsk</i> <ul style="list-style-type: none"> <li>• Standards of care in Duchenne muscular dystrophy, <i>Karolina Śledzińska</i></li> <li>• Caring for patients with Duchenne muscular dystrophy: the cardiologist's perspective, <i>Jarosław Meyer-Szary</i></li> <li>• Multidisciplinary care of Duchenne muscular dystrophy patients: a model from a Rare Disease Centre in Gdańsk, <i>Karolina Śledzińska</i></li> <li>• MeDMD: a non-commercial clinical trial to optimize pharmacological cardiomyopathy prevention in DMD children, <i>Jarosław Meyer-Szary</i></li> </ul> <p>Moderators: <i>Jolanta Wierzba, Joanna Kwiatkowska</i></p>
17:00 – 17:30	Q&A session

## Day 2 – 30 NOVEMBER (Thursday)

9:00 – 9:45	Unproven cellular interventions: global and Polish perspectives <i>Józef Dulak</i>
9:45 – 10:15	Role of CAT EMA in supervising the stem cell therapies <i>Dariusz Śladowski</i>
10:15 – 10:45	Regulatory aspects of unproven cellular interventions <i>Marlena Pecyna</i>
10:45 – 11:00	Discussion
<b>11:00 – 11:30</b>	<b>Coffee break</b>
11:30 – 12:30	Panel discussion Cell-based therapies: hopes and hypes – Polish and Ukrainian experience <i>Józef Dulak, Małgorzata Borowiak, Marlena Pecyna, Dariusz Śladowski</i>
<b>12:30 – 13:30</b>	<b>Lunch break</b>
13:30 – 15:00	Participants' presentations session
15:00 – 16:00	A visit to the Department of Medical Biotechnology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University

## Speakers:

**prof. dr hab. Józef Dulak** – Department of Medical Biotechnology, Faculty of Biochemistry, Biophysics and Biotechnology, Jagiellonian University; email: [jozef.dulak@uj.edu.pl](mailto:jozef.dulak@uj.edu.pl)

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**prof. dr hab. Jolanta Wierzbą** – Division of Internal and Pediatric Nursing, Medical University of Gdańsk; email: [jolanta.wierzbą@gumed.edu.pl](mailto:jolanta.wierzbą@gumed.edu.pl)

**dr Karolina Śledzińska** – Department of Pediatrics, Hematology and Oncology, Medical University of Gdańsk; email: [karolina.sledzinska@gumed.edu.pl](mailto:karolina.sledzinska@gumed.edu.pl)

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**dr hab. Dariusz Śladowski** – Department of Transplantology and Central Tissue Bank, Centre for Biostructure, Medical University of Warsaw; email: [dariusz.sladowski@wum.edu.pl](mailto:dariusz.sladowski@wum.edu.pl)

**dr hab. Marlena Pecyna, prof. UJ** – Chair of Civil Law, Faculty of Law and Administration, Jagiellonian University (UJ); email: [marlena.pecyna@uj.edu.pl](mailto:marlena.pecyna@uj.edu.pl)

## Organizers:

### Department of Medical Biotechnology

Prof. Józef Dulak – *chair*  
Prof. Agnieszka Łoboda  
Joanna Uchto-Bajótek, MA

### International Relations Office

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Marzena Butanowicz, MA  
Katarzyna Włodkowska-Łoziak, MA

NOTE: The presentations will be recorded and access to the recordings will be available after the meeting to registered delegates only and must not be shared or distributed.

