


**16.09.2024 (Collegium Novum, Main Lecture Hall)**

14.00	–	15.00	Registration
15.00	–	15.30	Opening Ceremony
15.30	–	16.10	<b>Prof. Aleksander Mendyk</b> (Jagiellonian University Medical College) <i>"100 Years of Chair and Department of Pharmaceutical Technology and Biopharmaceutics, JU MC: Evolution of Pharmaceutical Technology Over the Last Century and Insight into the Next Century"</i>
16.10	–	16.50	<b>Prof. Thomas Rades</b> (University of Copenhagen) <i>"Peculiar phenomena in amorphous drugs: from polymorphism to antiplastizing water"</i>
16.50	–	17.30	<b>Prof. Peter Kleinebudde</b> (Heinrich-Heine-Universität Düsseldorf) <i>"Continuous manufacturing of solid dosage forms"</i>

**17.09.2024 (Auditorium Maximum)**

8.30	–	9.00	Registration
9.00	–	9.40	<b>Prof. Axel Zeitler</b> (University of Cambridge) <i>"How low-frequency vibrational spectroscopy can be used to investigate order and disorder in organic molecular materials?"</i>
9.40	–	10.00	Dielectric Spectroscopy as a Tool to Characterize Phase Separation in Amorphous Solid Dispersions A case Study of Imidacloprid – <b>Ali Mansuri</b>
10.00	–	10.20	Developing a new technique based on second harmonic generation for solubility measurement - <b>Jitka Kalasová</b>
10.20	–	10.40	The effect of mesoporous silica materials on the recrystallization tendency of amorphous pharmaceuticals - <b>Justyna Knapik-Kowalczyk</b>
10.40	–	11.20	Coffee break & poster session
11.20	–	12.00	<b>Prof. Gabriele Sadowski</b> (TU Dortmund) <i>"Shelf life and dissolution behavior of ASDs – thermodynamics is the key"</i>
12.00	–	12.20	A Predictive Model for Drug Degradation in Amorphous Solid Dispersions – <b>Ali Mansuri</b>
12.20	–	12.40	Prediction of the glass temperature of amorphous solid dispersions - <b>Luis Miguel Gil-Rojo</b>





12.40	-	13.00	Application of Predictive Stability in Amorphous Solid Dispersions – <b>Tomke Müller</b>
13.00	-	13.20	SerotoninAI software as a disruptive technology in Antidepressant Drug Discovery - <b>Natalia Łapińska</b>
13.20	-	14.40	Lunch break & poster session
14.40	-	15.20	<b>Prof. Eric Munson</b> (Purdue University) <i>„Correlating Structural Properties of Small and Large Molecule Formulations with Functional Properties”</i>
15.20	-	15.40	Raman surface mapping as effective tool for correlation between manufacturing process and drug product quality characteristics – <b>Anna Kiryluk</b>
15.40	-	16.00	Liquid additives in transdermal patch matrix for the improvement of biopharmaceutical performance - <b>Barbara Mikolaszek</b>
19.00	-	22.00	<i>Gala Dinner - <a href="#">Hotel Saski Krakow</a>, <a href="#">Curio Collection by Hilton</a></i>

## 18.09.2024 ([Auditorium Maximum](#))

9.00	-	10.00	Registration and morning coffee
10.00	-	10.40	<b>Prof. Niklas Sandler</b> (CurifyLabs) <i>“The future of personalised medicine manufacture in hospitals and pharmacies”</i>
10.40	-	11.20	<b>Mec. Karolina Kosek</b> (ZF Amara) <i>“Postulated legislative actions to improve the situation of personalized treatment in Poland”</i>
11.20	-	11.40	Evaluation of the impact of functional additives on the filaments and 3D printed tablets properties – <b>Mateusz Kurek</b>
11.40	-	12.20	Coffee break & poster session
12.20	-	13.00	<b>Dr. Vanessa Havenith</b> (SE Tylose GmbH & Co. KG) <i>“Double Action of HPMCAS as a Binder and Precipitation Inhibitor in ASD”</i>
13.00	-	13.20	Ex vivo permeation testing of 3D-printed microneedles for depression using human skin – <b>Monika Wojtyłko</b>
13.20	-	13.40	Factors affecting successful selective laser sintering (SLS) 3D printing of tablets – <b>Gordana Stanojević</b>





13.40	-	14.00	Formulation and comparison of microfibers with modified release of active pharmaceutical ingredients considering downstream processing - <b>Justyna Srebro</b>
14.00	-	15.20	Lunch & poster session
15.20	-	15.40	Spray dried composite particles with rapid drug release - <b>Enrico Ercolin</b>
15.40	-	16.00	Neusilin US2 versus functionalized calcium carbonate study of the liquisolid systems performance - <b>Barbora Vraníková</b>
16.00	-	16.20	Microfluidic manufacturing of PLGA nanoparticles: a statistical and machine learning approach to process optimization – <b>Paulina Wojtyła</b>
16.20	-	16.40	Final remarks & closing ceremony

