

## AGENDA

Day 1, July 5<sup>th</sup>, 9:00 – 16:40

Time	Event
8:30 – 9:00	Registration
9:00 – 9:30	Opening and introductions
9:30 – 9:45	<i>Overview of ORBIS project</i> <b>Prof. Janina Lulek</b> (Poznan University of Medical Sciences, Poland)
9:45 – 10:00	Short break
9:00 – 17:00	Poster session Head of the committee - <b>Prof. František Štěpánek</b> (University of Chemistry and Technology Prague, Czech Republic)
<b>Session I Drug substances and pharmaceutical preformulation</b>	
10:00– 10:30	<b>Lecture 1: Prof. Andrzej Kutner</b> (Medical University of Warsaw, Poland) <i>Recent advances in API development</i>
10:30 – 11:00	<b>Lecture 2: Prof. Stane Srčič</b> (University of Ljubljana, Slovenia) <i>Effect of moisture on solid-state stability</i>
11:00 – 11:40	Oral presentation, <b>Sreela Ramesh</b> (Zentiva, k.s., Czech Republic) <i>Non-classical mechanism in crystallization of salts of cyamemazine</i>
	Oral presentation, <b>Martin Balouch</b> (University of Chemistry and Technology Prague) <i>Machine learning algorithms for slurry crystallization control</i>
	Discussion on the multidisciplinary scientific outcomes
11:40 – 12:10	Coffee break
<b>Session II: Dosage forms and drug delivery systems</b>	
12:10 – 12:40	<b>Lecture 1: Prof. Clare Strachan</b> (University of Helsinki, Finland) <i>New insight on solid dosage form analysis</i>

12:40 – 13:10	<p><b>Lecture 2: Prof. Dimitrios Lamprou</b> (Queen's University Belfast, UK)</p> <p><i>Emerging Technologies Transforming Therapy</i></p>
13:10 – 14:00	<p>Oral Presentation, <b>Dominik Martynek</b> (Zentiva, k.s., Czech Republic)</p> <p><i>Solid solutions preparation using spray drying and hot melt extrusion</i></p>
	<p>Oral Presentation, <b>Anna Froelich</b> (Poznan University of Medical Sciences, Poland)</p> <p><i>Topical delivery of meloxicam using liposome and microemulsion formulation approaches</i></p>
	<p>Oral Presentation, <b>Viktoriia Shyroкова</b> (Farmak JSC, Ukraine)</p> <p><i>Comparative studies of gels for topical delivery of ketoprofen: physicochemical characteristics and in vitro drug release rate determination</i></p>
	<p>Discussion on the multidisciplinary scientific outcomes</p>
14:00 – 14:30	<p>Discussion on the policies developed by the consortium</p>
14:30 – 15:30	<p>Lunch break</p>
<p><b>Session III: Biopharmaceutical evaluation of dosage forms and drug delivery systems</b></p>	
15:30 – 16:00	<p><b>Lecture 1: Prof. Iztok Grabnar</b> (University of Ljubljana, Slovenia)</p> <p><i>Modeling complex absorption in a population pharmacokinetic analysis using empirical functions</i></p>
16:00 – 16:30	<p><b>Lecture 2: Dr Irena Tomaszewska</b> (Pfizer, UK)</p> <p><i>Applications of biopredictive tools during drug product development</i></p>
16:30 - 17:10	<p>Oral presentation, <b>Monika Zielińska</b> (Poznan University of Technology, Poland)</p> <p><i>The effects of various food products on bisphosphonates availability</i></p>
	<p>Oral Presentation, <b>Yulia Kondratova</b> (Farmak JSC, Ukraine)</p> <p><i>Study of dissolution profiles: from API to IVIVC</i></p>
	<p>Discussion on the multidisciplinary scientific outcomes</p>

# Final ORBIS Conference July 5-6<sup>th</sup> 2023



Day 2, July 6<sup>th</sup>, 8:30 – 15:30

Time	Event
8:30 – 8:35	Opening and introductions
8:30 – 15:30	Poster session
<b>Session I - Rutgers University</b>	
8:35 – 9:05	<b>Lecture 1: Prof. Joachim Kohn</b> (Rutgers University, New Jersey, USA) <i>Future Opportunities in the Field of Drug Delivery Research</i>
9:05 – 9:35	<b>Lecture 2: Prof. Rohit Ramachandran</b> (Rutgers University, New Jersey, USA) <i>Energy efficient smart-manufacturing of pharmaceutical solid oral dosage forms.</i>
9:35 – 10:05	Oral presentation, <b>Aneta Kalvodova</b> (University of Chemistry and Technology Prague, Czech Republic) <i>Innovative cerosomes as carriers for an enhanced dermatitis therapy</i>
	Oral presentation, <b>Aleksandra Grząbka-Zasadzińska</b> (Poznan University of Technology, Poland) <i>Prediction of quality attributes of granules prepared by high-shear wet granulation</i>
	Oral presentation, <b>Marta Karaźniewicz-Łada</b> (Poznan University of Medical Sciences, Poland) <i>UPLC-MS/MS method for the stability study and bioanalysis of first-line anti-tubercular drugs</i>
10:05 – 10:15	Discussion on the multidisciplinary scientific outcomes
10:15 – 11:00	Coffee break
<b>CEREMONY OF CONFERRING THE TITLE OF PUMS HONORIS CAUSA DOCTORATE TO PROF. BOŻENA MICHNIAK-KOHN</b>	
11:00 – 13:00	Ceremony <b>Lecture by Prof. Bożena Michniak-Kohn</b>
13:00 – 14:00	Coffee break
<b>Session II - University of Central Florida</b>	
14:00 – 14:30	<b>Lecture: Prof. Michał Masternak</b> (University of Central Florida, USA)

	<i>Senescent cells as new pharmacological targets for age-related diseases and anti-aging therapy</i>
14:30 – 15:00	<p>Oral presentation, <b>Ewelina Juszczuk</b> (Celon Pharma S.A., Poland)</p> <p><i>The impact of selected miRNAs on growth of head and neck cancer cell lines in vitro</i></p> <p>Oral Presentation, <b>Błażej Rubiś</b> (Poznan University of Medical Sciences, Poland)</p> <p><i>New therapies targeting aging cells in the skin</i></p> <p>Q&amp;A Session</p>
15:00 – 15:30	<p>Overview of the poster session</p> <p>Head of the committee - <b>Prof. František Štěpánek</b> (University of Chemistry and Technology Prague)</p>

## 4.07.2023

20:00 - **Dinner at the Platinum Palace Hotel Restaurant** (19 Reymonta Street, Poznan)

## 6.07.2023

### **Networking event:**

18:00 – bus departure from PUMS Congress Center, 37a Przybyszewskiego Str.

19:00 – 24:00 **Gala dinner with Best Poster & Best Short Oral Presentation Award ceremony** (Siedem Drzew Restaurant with Botanical Garden, Biskupice)  
(for all secondees participating in conference and invited guests)