

**Seminar Program, May 23<sup>rd</sup>, 2018, Warsaw**  
**Center for Biological and Chemical Sciences,**

<b>Session A</b>		<b>Session B</b>	
<b>Protein Formulation and Characterization</b>		<b>Characterization of Molecular Structure of Synthetic and Natural Polymers by Separation Techniques with Advanced Detectors</b>	
<b>10:00 – 10:05 Welcoming and opening of the seminar,</b> Krystyna Niedzielska and Marek Danielewicz, Polygen Sp. z o. o., Poland			
10:05 – 10:40	<b>Wyatt's toolkit for Protein Characterization</b> Dr. Dierk Roesner, Director Sales and Marketing Wyatt Technology Europe GmbH, Germany;	10:05 – 10:50	<b>Polymer separation by size exclusion chromatography (SEC) and asymmetric flowfield flow fractionation (AF4)</b> prof. Ing. Stepan Podzimek, CSc *, **
10:40 – 11:15	<b>Application of Light Scattering in a Core Facility Setting</b> Ewa Folta – Stogniew, Ph.D., M.Sc., Director of Biophysics Resource of Keck Laboratory Yale School of Medicine, USA;	10:50 – 11:15	Discussion
<b>11:15 – 11:30 Coffee break &amp; posters</b>			
11:30 – 12:05	<b>The Use of Light Scattering for Monoclonal Antibody Drug Product Development and Root Cause Investigations in Commercial Scenarios</b> Dorota Roberts Ph.D., Independent Consultant D.Roberts Consultancy, Switzerland;	11:30 – 12:15	<b>Molar mass distribution by SEC and AF4 coupled with a multi-angle light scattering (MALS) detector</b> prof. Ing. Stepan Podzimek, CSc *, **
12:05 – 12:40	<b>Physicochemical and structural studies on <math>\beta</math>-hairpin shaping in proteins as a first stage of amyloid formation</b> dr hab. Joanna Makowska, prof. UG Faculty of Chemistry, University of Gdańsk, Poland;	12:15 – 12:40	Discussion
<b>12:40 – 13:20 Lunch &amp; posters</b>			
13:20 – 14:20	<b>Mapping the light scattering toolkit to the biopharmaceutical development pipeline</b> Daniel Some, Ph.D., Principal Scientist, Wyatt Technology, Israel;	13:20 – 14:05	<b>Characterization of polymer molecular structure and branching</b> prof. Ing. Stepan Podzimek, CSc *, **
		14:05 – 14:20	Discussion
<b>14:20 – 14:30 Coffee break &amp; posters</b>			
14:30 – 15:00	<b>Panel session – all</b>	14:30 – 14:55	<b>Analysis of polymers based on renewable resources</b> prof. Ing. Stepan Podzimek, CSc *, **
		14:55 – 15:00	Discussion
<b>15:00 – 15:10 Summary and ending</b>			

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