

Agenda
Seminar May 28-29th , 2019

“Next Generation Strategies and Insights on Large Molecule Characterization”

Location: Centre of Polymer and Carbon Materials, Polish Academy of Sciences
ul. M. Curie-Skłodowskiej 34, 41-819 Zabrze, Poland

May 28th , 2019: Seminar

Start Time

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| 08:30 | Registration and Coffee |
| 09:30 | Welcome address
Dr. Marek Danielewicz, Polygen sp. Z o.o. |
| 09:45 | The Neon Family
DAWN, miniDAWN, microDAWN, Optilab, ViscoStar
Dr. Christian Ackerschott, Wyatt Technology |
| 10:15 | Introduction to Multi Angle (MALS) and Dynamic (DLS) Light Scattering
Prof. Ing. Štěpán Podzimek, Wyatt Technology |
| 10:45 | Coffee break |
| 11:15 | Solution behavior of poly(tert-butyl acrylate) stars with different functionality"
Dr. Barbara Mendrek, Centre of Polymer and Carbon Materials, Polish Academy of Sciences,
Zabrze |
| 11:45 | Advanced characterization for proteins and polymers
Polymer structure, branching, shape, protein conjugates, aggregation
Prof. Ing. Štěpán Podzimek, Wyatt Technology |
| 12:30 | Lunch |
| 13:30 | What's new at Wyatt Technology
Dr. Christian Ackerschott, Wyatt Technology |
| 14:00 | Beyond SEC: separation for molecules, assemblies and delivery systems
Flow Field Flow Fractionation
Prof. Ing. Štěpán Podzimek, Wyatt Technology |
| 14:30 | Coffee break |
| 15:00 | Case study - determine and predict stability
Protein formulation and buffer optimization with automated DLS
Dr. Christian Ackerschott, Wyatt Technology |
| 15:30 | Case study - characterization of a gene delivery system
Particle size, particle shape, particle number and pay load
Prof. Ing. Štěpán Podzimek, Wyatt Technology |
| 16:00 | Closing discussion
Dr. Marek Danielewicz, Polygen sp. Z o.o. |
| 16:15 | End of Seminar |

May 29th, 2019: Short Course

Start Time

08:30	Registration and Coffee
09:00	SEC-MALS: How to perform good measurements? - Part I Workflow and Analysis Dr. Christian Ackerschott, Wyatt Technology
10:15	Coffee break
10:45	SEC-MALS: How to perform good measurements? - Part II More information from your methods and experiments Prof. Ing. Štěpán Podzimek, Wyatt Technology
12:00	Lunch
13:00	SEC-MALS: Troubleshooting Common challenges with MALS Dr. Christian Ackerschott, Wyatt Technology
14:30	Coffee break
15:00	FFF training: Method development Definition of good FFF method, Training in Scout Prof. Ing. Štěpán Podzimek, Wyatt Technology
16:30	Take home message Dr. Marek Danielewicz, Polygen sp. Z o.o.
17:00	End of Short Course

Please download the slides here:

- Introduction to Multi Angle (MALS) and Dynamic (DLS) Light Scattering:
<http://www.wyatt.com/files/WTE/Seminar/01MALS.ppsx>
- Advanced characterization for proteins and polymers
<http://www.wyatt.com/files/WTE/Seminar/02MALS.ppsx>
- Beyond SEC: separation for molecules, assemblies and delivery systems
<http://www.wyatt.com/files/WTE/Seminar/03FFF.ppsx>