



**28<sup>th</sup> Gordon L. Snider Critical Issues Workshop**  
**AAT Polymers: Disease Pathogenesis, Detection, and Therapeutic Targeting**  
**October 3, 2025**

## AGENDA

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### Welcome and Introduction

08:00am-08:10am	<b>Welcome and Introduction</b> Scott Santarella (Alpha-1 Foundation), Andrew Wilson, MD (Boston University), David Lomas, MD (University College London)
08:10am-08:30am	<b><i>Structure of the Pathological AAT Polymer within the Liver</i></b> James Irving, PhD (University College London)
08:30am-08:40am	Discussion
08:40am-09:00am	<b><i>The 2C1 and other Monoclonal Antibodies for Detecting AAT Polymers</i></b> Elena Miranda Banos, PhD (Sapienza University of Rome)
09:00am-09:10am	Discussion
09:10am-09:30am	<b><i>The ATZ11 and other Monoclonal Antibodies for Detecting AAT Polymers</i></b> Sabina Janciauskiene, PhD (Hannover Medical School)
09:30am-09:40am	Discussion
09:40am-10:00am	<b><i>Polymer Formation by Non-Z SERPINA1 Variants</i></b> Annamaria Fra, PhD (University of Brescia)
10:00am-10:10am	Discussion
10:10am-10:30am	Break
10:30am-10:50am	<b><i>Lung Polymer Formation in AATD – Implications for the Pathogenesis of the Associated Lung Disease</i></b> Gerry McElvaney, MD (Royal College of Surgeons in Ireland)
10:50am-11:00am	Discussion

11:00am-11:20am	<b><i>Intracellular ZAAT Polymers in Type 2 Alveolar Epithelial Cells</i></b> Emily Van' t Wout, PhD (Leiden University Medical Center)
11:20am-11:30am	Discussion
11:30am-11:50am	<b><i>Hepatocellular Polymers: Insights from the UF Alpha-1 Liver Cohort</i></b> Ginger Clark, MD (University of Florida)
11:50am-12:00pm	Discussion
12:00pm-01:00pm	Lunch Break
01:00pm-01:20pm	<b><i>Consequences and Implications of ZAAT Polymers in the ER</i></b> Stefan Marciniak, MD, PhD (University of Cambridge)
01:20pm-01:30pm	Discussion
01:30pm-01:50pm	<b><i>Circulating Polymers as a Prognostic Biomarker for AATD Liver Disease in a Multicenter Study</i></b> Jeff Teckman, MD (Saint Louis University School of Medicine)
01:50pm-02:00pm	Discussion
02:00pm-02:20pm	Break
02:20pm-02:40pm	<b><i>Circulating Polymers in the European Alpha-1 Liver Cohort</i></b> Malin Fromme, MD (University Hospital RWTH Aachen)
02:40pm-02:50pm	Discussion
02:50pm-03:10pm	<b><i>Small Molecules to Prevent Polymerization in AATD</i></b> Jack Brownrigg, PhD (BioMarin Pharmaceutical Inc)
03:10pm-03:20pm	Discussion
03:30pm-03:50pm	<b><i>ERLAD-Based Polymer Degradation Mechanisms</i></b> Ilaria Fregno, PhD (Institute for Research in Biomedicine)
03:50pm-04:00pm	Discussion
04:00pm-04:30pm	<b><i>Panel Discussion: Centralized Laboratory Standardization of Polymer Quantification</i></b> Mark Brantly, David Lomas, Elena Miranda Banos, representatives from: Korro Bio, Wave Life Sciences, Takeda, Beam

### **Concluding Remarks**

04:30pm-04:40pm	Scott Santarella (Alpha-1 Foundation), Andrew Wilson, MD (Boston University)
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