

**Alpha-1 Foundation 7th Global Research Conference**

**Intercontinental Lisbon**

**April 4, 2025**

AGENDA

**Welcome and Introduction**

08:00am-08:10am  **Welcome and Introduction**

Scott Santarella (Alpha-1 Foundation, USA), Andrew Wilson, MD (Boston

University, USA), Alice Turner, MD, PhD (University of Birmingham, UK), Pavel

Strnad, MD (University Hospital Aachen, Germany)

**Session 1: The Liver** **– Moderator, Pavel Strnad, MD (University Hospital Aachen, Germany)**

08:10am-08:30am ***Cancer Risk in AATD***

Morten Dahl, MD, PhD (Zealand University Hospital, Denmark)

08:30am-08:40am Discussion

08:40am-09:00am ***AATD-Associated Liver Disease: Insights into Disease Course and Modifying***

***Factors***

Pavel Strnad, MD (University Hospital Aachen, Germany)

09:00am-09:10am Discussion

09:10am-09:30am ***A Unique Tool to Predict Future Severe Liver Disease in ZZ and SZ Children, and***

***Findings from the NIH-Childhood Liver Disease Research Network***

Jeffrey Teckman, MD (Saint Louis University, USA)

09:30am-09:40am Discussion

09:40am-10:00am ***Selective Autophagy of the Endoplasmic Reticulum: Mechanisms, Roles, and***

***Therapeutic Potential***

Carmine Settembre, PhD (Telethon Institute of Genetics and Medicine, Italy)

10:00am-10:10am Discussion

10:10am-10:30am Break

10:30am-10:50am ***Learning From Trials Targeting Liver Disease***

Mattias Mandorfer, MD, PhD (Medical University of Vienna)

10:50am-11:00am Discussion

11:00am-11:20am ***From Technology to Disease Mechanisms: Spatial Single-Cell Proteomics in AATD***

Florian Rosenberger, PhD (Max-Planck-Institute for Biochemistry, Munich)

11:20am-11:30am Discussion

11:30am-11:50am ***Selection for Somatic Escape Variants in SERPINA1 in the Liver of Patients with***

***Alpha-1 Antitrypsin Deficiency***

Stefan Marciniak, MD, PhD (University of Cambridge School of Medicine, UK)

11:50am-12:00pm Discussion

12:00pm-01:00pm Lunch Break

**Session 2: The Lung – Moderator, Alice Turner, MD, PhD (University of Birmingham, UK)**

01:00pm-01:20pm ***Biomarkers and Endotypes in AATD***

Josh De Soyza, MD (University of Birmingham, UK)

01:20pm-01:30pm Discussion

01:30pm-01:50pm ***Going Beyond the Z Allele***

Teresa Martin, MD (Hospital Beatriz Ângelo, Portugal)

01:50pm-02:00pm Discussion

02:00pm-02:20pm ***NLRP3 Inflammasome and Interleukin-1b Activation in AATD***

Emer Reeves, PhD (Royal College of Surgeons in Ireland, Ireland)

02:20pm-02:30pm Discussion

02:30pm-02:50pm Break

02:50pm-03:10pm ***Controversies and Advances in Augmentation***

Miriam Barrecheguren, MD (University Hospital Vall d'Hebron, Spain)

03:10pm-03:20pm Discussion

03:20pm-03:40pm ***Using Real Life Data to Extend Understanding of AATD***

Alice Turner, MD, PhD (University of Birmingham, UK)

03:40pm-03:50pm Discussion

**Concluding Remarks**

03:50pm-04:00pmScott Santarella (Alpha-1 Foundation, USA), Andrew Wilson, MD (Boston

University, USA)