

# 5<sup>TH</sup> AIH RESEARCH WORKSHOP

INTERNATIONAL AUTOIMMUNE HEPATITIS RESEARCH GROUP WORKSHOP

**27–28**  
JUNE, 2024

HANOVER  
GERMANY

## PREVIOUS DAY

20:00

### YOUNG INVESTIGATOR GET TOGETHER

◀ Bastian Engel + Alessio Gerussi ▶ Starting at the Novotel Lobby (foot walk to beer garden)

## DAY 01

08:00 – 08:45

### Registration

08:45 – 09:00

### Welcome

- M.P. Manns, President, Hannover Medical School
- H. Wedemeyer, Head of the Dept. of Gastroenterology, Hepatology, Infectious Diseases and Endocrinology, Hannover Medical School
- IAIH Group Lead

**09:00 – 10:30**

### SESSION I: CLINICAL STUDIES / NEW THERAPY APPROACHES

Moderation: A. Lohse (Hamburg, GER); M. Tana (San Francisco, USA)

★ 09:00 – 09:25

#### What can we learn from rheumatologists? (20 + 5 min)

◀ T. Witte (Hanover, GER)

09:25 – 09:35

#### Group member

- TNFa in AIH - Analysis of a steroid-free first line treatment regimen (7 + 3 min)
- ◀ J.P. Weltzsch (Hamburg, GER)

★ 09:35 – 10:00

#### CAR T cell therapies in refractory rheumatologic diseases (20 + 5 min)

◀ R. Grieshaber-Bouyer (Erlangen, GER)

10:00 – 10:30

#### Group members (each presentation 7 + 3 min)

- Therapy approaches with classical Tregs
- ◀ Y. H. Oo (Birmingham, UK)
- Therapy approaches with CAR Tregs
- ◀ E. Jaeckel (Toronto, CAN)
- CAR T cell initiative
- ◀ M. Londoño (Barcelona, ES)

10:30 – 10:45

#### Coffee break

PROGRAM

10:45 – 12:15

## SESSION II: UPDATES FROM ONGOING PROJECTS

Moderation: J. Drenth (Amsterdam, NL); M. Londoño (Barcelona, ES)

**Group members** (each presentation **7 + 3** min)

- Update from the R Liver Registry of the ERN rare Liver
  - ◀ I. Schregel (Hamburg, GER)
- Update from the acute severe AIH study initiative
  - ◀ E. de Martin (Paris, FR) + A. Lleo (Milan, IT)
- Elevated IgG values after normalization of transaminases do not impact patient outcomes in autoimmune hepatitis
  - ◀ A. Diaz-Gonzalez (Santander, ES)
- Does ferritin impact the probability of response in patients with autoimmune hepatitis?
  - ◀ A. Diaz-Gonzalez (Santander, ES)
- Social determinants of health in AIH
  - ◀ M. Sebode (Hamburg, GER) + M. Tana (San Francisco, USA)
- Prospective evaluation of sustained biochemical response after treatment withdrawal in patients with autoimmune hepatitis
  - ◀ A. Stättermayer + E. Halilbasic (Vienna, AUT)
- Optimizing thiopurine therapy in AIH by monitoring metabolite profiles and co-administration of allopurinol
  - ◀ H. Hartl (Hamburg, GER)
- 6-mercaptopurine versus mycophenolate mofetil as second-line treatment for patients with autoimmune hepatitis: A multicenter analysis
  - ◀ L.J. Horst (Hamburg, GER)
- Metabolomics as a new innovative tool for the diagnosis of AIH
  - ◀ K. Zachou (Larissa, GR)
- Liver stiffness measurement by vibration-controlled transient elastography and prediction of adverse clinical outcomes in autoimmune hepatitis
  - ◀ A. Montano-Loza (Edmonton, CAN)
- Treatment and response of recurrent autoimmune hepatitis after liver transplantation
  - ◀ A. Montano-Loza (Edmonton, CAN)
- 10-year clinical prediction model for survival in AIH
  - ◀ L. Slooter (Amsterdam, NL)

12:15 – 13:45

**Lunch break**

13:45 – 15:15

## SESSION III: PATHOGENESIS

Moderation: C. Schramm (Hamburg | GER) + E. de Martin (Paris | FR)

★ 13:45 – 14:10 **Multi-omics single-cell data integration and regulatory inference in diseases (20 + 5 min)**  
◀ Y. Li (Hanover/ Braunschweig, GER)

**Group members** (each presentation **7 + 3** min)

- 14:10 – 14:30
  - Using spatial biology technologies to understand AIH pathogenesis: experience of 10x Visium and Nanostring GeoMx platforms (2 x **7 + 3** min)
    - ◀ A. Bozward + N. Richardson (Birmingham, UK)
- 14:30 – 14:40
  - Single Cell Sequencing from FNA
    - ◀ I. Olivás (Barcelona, ES)
- 14:40 – 14:55
  - Advances in translational AIH models (**10 + 5** min)
    - ◀ M. Hardtke-Wolenski (Hanover, GER)
- 14:55 – 15:10
  - Autoantigen-specific CD4 T cell response in an AIH mouse model (**10 + 5** min)
    - ◀ J. Herkel (Hamburg, GER)

15:10 – 15:30

Coffee break

15:30 – 17:00

## SESSION IV: PARALLEL BREAK-OUT SESSIONS

### WORKSHOP 1 | AI APPROACHES

Moderation: A. Gerussi (Milan, IT) + J. Clusmann (Dresden, GER) + M. Bhat (Toronto, CAN)

### WORKSHOP 2 | CLINICAL TRIALS IN AIH

Moderation: J. Drenth (Amsterdam, NL) + F. Colapietro (Milan, IT)

### WORKSHOP 3 | IMPROVED DIAGNOSTICS OF AIH

Moderation: D. Assis (New Haven, USA) + M. Sebode (Hamburg, GER)

### WORKSHOP 4 | HOW TO ADVANCE BASIC SCIENCE

Moderation: : E. Jaeckel (Toronto, CAN) + M. Londoño (Barcelona, ES)

17:00 – 17:15

Coffee break

17:15 – 18:00

Project pitches | Workshop summaries (each presentation 10 min)

18:45

Adjourn. Lobby: Start walk or transfer to Meyer's Hof | Networking Dinner

## DAY 02

08:30 – 10:50

## SESSION V: DIAGNOSTICS | OUTCOME PREDICTION

Moderation: A. Lleo (Milan, IT); M. Sebode (Hamburg, GER)

★ 08:30 – 08:55

### AI approaches in hepatology (20 + 5 min)

◀ A. J. Kather (Dresden, GER)

#### Group member

08:55 – 09:05

- Discriminating Autoimmune Hepatitis and Primary Biliary Cholangitis Using Artificial Intelligence (7 + 3 min)

◀ A. Gerussi (Milan, IT)

★ 09:05 – 09:30

### What can we learn from AI approaches in transplant hepatology?

◀ M. Bhat (Toronto, CAN)

#### Group members (each presentation 7 + 3 min)

09:30 – 10:50

- Update polyreactive IgG DILI/DI-ALH and ALF  
◀ B. Engel (Hannover, GER)
- Predicting steroid dependent liver injury With Polyreactive Immunoglobulin G (PIONEER)  
◀ R. Taubert (Hannover, GER)
- How to predict recurrence of AIH or recurrence of overlap in post-transplant cohorts  
◀ V. Ronca (Birmingham, UK)
- Insights into Novel Candidate Biomarkers for AIH  
◀ Assis (New Haven, USA)
- Identification of predictors of recompensation in patients with decompensated advanced chronic liver disease due to autoimmune hepatitis  
◀ A. Stättermayer + E. Halilbasic (Vienna, AUT)
- m122 to predict relapse after immunosuppression withdrawal  
◀ P. Arvaniti (Barcelona, ES)



- Seronegative autoimmune hepatitis: a multicentric observational study  
 ◀ F. Colapietro (Milan, IT)
- Is ChatGPT a reliable tool in Autoimmune Hepatitis?  
 ◀ F. Colapietro (Milan, IT)

10:50 – 11:05 **Coffee Break**

## 11:05 – 12:05 **SESSION VI: ASPECTS OF YOUNG AIH PATIENTS**

Moderation: A. Di Giorgio (Bergamo, IT); C. Arıkan (Istanbul, TUR)



11:05 – 11:45

**ERN youth panel representatives: Patient's perspective (30 + 10 min)**

Moderation: K. Mostaert (Gent, BE) + B. Vanney (Lyon, FR)

11:45 – 12:05

**Group members** (each presentation 7 + 3 min)

- From Stool to Liver: The Gut Microbiota Composition in Pediatric Autoimmune Hepatitis – A New Diagnostic Tool?  
 ◀ M. Kramer (Hannover, GER)
- T Evaluation of different methodologies for immunoserological autoantibody testing in children and adolescents  
 ◀ B. Engel (Hannover, GER)

12:05 – 12:30

**Closing Session:** Richard Taubert + Bastian Engel + IAIHG Lead

12:45

**Lunch Transfer to HepNet**

### PROGRAM COMMITTEE

- A.W. Lohse ■ J. PH Drenth ■ Y. H. Oo ■ M. Sebode
- R. Snijders ■ R. Taubert ■ B. Engel ■ A. Gerussi

### MEETING ORGANIZERS

- Richard Taubert ■ Bastian Engel ■ Mirjam Schöl

### CONGRESS ORGANISATION (PCO)

Verein für Fortbildung in der GHE e.V.  
 c/o Medizinische Hochschule Hannover  
 Carl-Neuberg-Str. 1  
 30625 Hannover

### CONGRESS VENUE

Novotel Hannover  
 Podbielskistr. 21/23  
 30163 Hannover

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