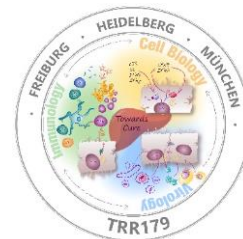


International Symposium of the TRR179
“Viral hepatitis and beyond: from basic science to cure”
Freiburg, May 29-31, 2022



Sunday, May 29th

- 15:00 – 17:30** Individual arrival, rooms check in, posters hanging, media and technical check
17:30 Internal meeting of the advisory board
18:30 Scientific exchange and update of TRR179 members and invited speakers with dinner

Monday, May 30th

- 8:30 - 8:45** **Welcome** (Robert Thimme, Freiburg)
8:45 - 11:00 **Cell Biology, Innate immunity, and signaling**

Chair: Volker Lohmann / Adelheid Cerwenka

Time	Speaker	Title
8:45	Thomas Decker, <i>Vienna/Austria</i>	A systems approach towards JAK-STAT signal transduction
9:10	Niklas Björkström, <i>Stockholm/Sweden</i>	Immunological factors related to vertical transmission of HCV
9:35	Andreas Pichlmair, <i>Munich/Germany</i>	Identifying innate immune regulators through affinity proteomics
9:55	Andrea Ablasser, <i>Lausanne/Switzerland</i>	The cGAS-STING pathway as a driver of pathological inflammation
10:20	IRTG Speaker Ombretta Colasanti, Heidelberg	Comparison of HAV and HCV infections in vivo and in vitro reveals distinct patterns of innate immune evasion and activation
10:35	Marcus Altfeld, <i>Hamburg/Germany</i>	Regulation of NK cell immunity by HLA class II

11:00 - 11:30 *Coffee break*

11:30 - 12:00 **Keynote Lecture**

11:30	Eran Elinav, <i>Heidelberg/Germany</i>	Host microbiome interactions in health and disease
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12:00 - 13:10 **Adaptive Immunity I**

Chair: Dirk Wohlleber / Dirk Grimm

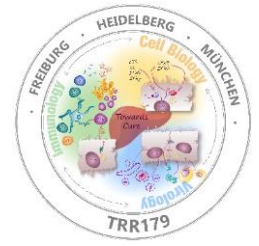
Time	Speaker	Title
12:00	Nina LeBert, <i>Singapore/Singapore</i>	Impact of HBsAg on HBV-specific T and B cells
12:25	Böttler / Neuman-Haefelin, <i>Freiburg/Germany</i>	T cell response in acute and persistent hepatitis E
12:45	Enrico Lugli, <i>Mailand/Italy</i>	Novel concepts in human T cell exhaustion and immunosuppression

13:10 - 14:30 *Lunch and IRTG Poster session*

14:30 - 16:25 **Adaptive Immunity II**

Chair: Bertram Bengsch / Mathias Heikenwälder

Time	Speaker	Title
14:30	John Wherry, <i>Philadelphia/USA</i>	New insights into the biology of exhausted CD8 T cells
14:55	Paola Fficaro, <i>Parma/Italy</i>	Unraveling CD8 T cell defects to devise possible immune correction strategies to cure chronic HBV infection
15:20	IRTG Speaker Frances Winkler, Freiburg	Enolase represents a metabolic checkpoint controlling the differential exhaustion of virus-specific CD8+ T cells in viral hepatitis
15:35	Amit Kapoor, <i>Columbus/USA</i>	Are T cells enough to prevent chronic hepatitis C infection
16:00	Justin Bailey, <i>Baltimore/USA</i>	The Role of Neutralizing Antibodies in HCV Clearance



16:25 - 16:45 Coffee break

16:45 - 17:30 Virology I

Chair: Ulrike Protzer / Stefan Seitz

Time	Speaker	Title
16:45	Meital Gal-Tanamy, <i>Safet/Israel</i>	Determinants of HCV scarring of the liver epigenome
17:10	Viet Loan Dao Thi, <i>Heidelberg/Germany</i>	Modelling enteric hepatitis E virus infection along the gut/liver axis: impact of the enteric stage on the outcome of liver infection

19:00 TRR179 social event (Roof top Galeria Karstadt)

Tuesday, May 31st

9:00 - 10:45 Virology II

Chair: Ulrike Protzer / Stefan Seitz

Time	Speaker	Title
9:00	Alexander Ploss, <i>Princeton/USA</i>	Impact of viral heterogeneity on disease severity
9:25	Stephan Urban, <i>Heidelberg/Germany</i>	Hepcludex/bulevirtide therapy without or with IFN? an update on ongoing clinical trials
9:45	IRTG Speaker Bo-Hung Liao, Munich	A novel HBV-vector based system that allows a systematic genomic knock-out screening
10:00	Julie Lucifora, <i>Lyon/France</i>	Hepatitis Delta Virus interferes with Hepatitis B Virus RNA production through multiple interferon dependent and independent mechanisms
10:25	Jens Bukh, <i>Copenhagen/Denmark</i>	Control of hepatitis C virus: antiviral resistance and vaccines

10:50 - 11:30 IRTG Posters & Coffee

11:30 - 13:30 Hepatitis and Beyond

Chair: Ralf Bartenschlager / Sabrina Schreiner

Time	Speaker	Title
11:30	Martin Schwemmler, <i>Freiburg/Germany</i>	Bats reveal the true power of influenza A virus adaptability
11:55	Theodore Alexandrov, <i>Heidelberg/Germany</i>	Spatial single-cell metabolomics reveals metabolic cell states in NASH
12:20	Maike Hofmann, <i>Freiburg/Germany</i>	Virus-specific CD8+ T cell responses in viral hepatitis and COVID-19
12:40	John Schoggins, <i>Dallas/USA</i>	Cell intrinsic mechanisms of viral control
13:05	Percy Knolle, <i>Munich/Germany</i>	Local metabolic regulation of T cell effector function in the liver
13:30	Ralf Bartenschlager, <i>Heidelberg/Germany</i>	Concluding remarks

14:00 Farewell