



**UNIVERSITÄTS
KLINIKUM** **FREIBURG**



PROGRAM

INTERNATIONAL CONFERENCE ON **IMMUNOLOGY, IMMUNODEFICIENCY AND IMMUNOTHERAPY**

JUNE 27 - 29, 2018 | FORUM MERZHAUSEN



Organization:



WELCOME

to the **International Conference on Immunology, Immunodeficiency and Immunotherapy** in Freiburg.

The conference is organized by the Collaborative Research Center 116o (CRC 116o), the Center for Chronic Immunodeficiency (CCI), as well as the EU Consortia CARAT and EN-ACTI²NG.

The organizing committee has compiled an exciting scientific program highlighting current research topics in basic and translational immunology. In addition to plenary sessions held by internationally renowned speakers and presentations in main symposia, young scientists will present their research by short talk presentations.

The conference will show how basic research findings can be translated into application of innovative diagnostics and treatments in the areas of immunodeficiencies and immunotherapy for cancer, aiming to encourage interactions between researchers of the immunological community worldwide. Therefore, we cordially invite you to attend the main symposium, the poster sessions and the conference dinner on the evening of June 28th.

We are looking forward to discuss the most important recent developments in the fields of basic and translational immunology with you and hope to make this special conference a memorable event!

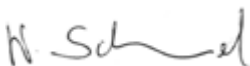
Sincerely yours,



Prof. Dr. Stephan Ehl
CRC116o, CCI



Prof. Dr. Toni Cathomen
CARAT



Prof. Dr. Wolfgang Schamel
EN-ACTI²NG



Prof. Dr. Klaus Warnatz
CCI



DAY 1 - WEDNESDAY, JUNE 27, 2018

11:00 **Closed Internal Meeting / Small Conference Hall**

12:00 **Registration**

12:15 **Lunch Break & Industry Exhibition / Foyer**

SESSION 1 | Cancer Cell Therapy

Chairs: Toni Cathomen and Wolfgang Schamel

14:00 **Introduction**

14:15 **Key Note Lecture**

CAR T cells

Michel Sadelain (New York, USA)

15:00 **TCR gene therapy**

Mirjam Heemskerk (Leiden, The Netherlands)

15:00 **Dynamic imaging of T cell activities in solid tumors**

Emmanuel Donnadieu (Paris, France)

16:00 **Coffee Break & Industry Exhibition / Foyer & Small Conference Hall**

16:30 **From gdT cells to TEGs: gamma delta TCR gene therapy**

Jürgen Kuball (Utrecht, The Netherlands)

17:00 **Novel CAR T cell designs**

Martin Pule (London, UK)

17:30 **Gene edited CAR T-cells for allogeneic adoptive T cell immunotherapy**

Mathilde Dusseaux (Paris, France)

18:00 **POSTER SESSION I**

DAY 2 - THURSDAY JUNE 28, 2018

08:00 **Registration**

SESSION II

Chairs: Bodo Grimbacher, Wolfgang Schamel

08:30 **Introduction to Georges Köhler Lecture**

Michael Reth (Freiburg, Germany)

08:45 **GEORGES KÖHLER Lecture**

Autoimmunity, the « Achilles'heal » of the immune system?

Alain Fischer (Paris, France)

09:45 **Selected Talk:**

Pole3 mutations result in lymphocyte-specific developmental defects in mice

Iliana Siamishi (Freiburg, Germany)

10:00 **Cytotoxicity defects: the immune system out of control**

Stephan Ehl (Freiburg, Germany)

10:30 **Selected Talk:**

Retroviral UNC13D transfer restores cytotoxic function in T cells derived from familial hemophagocytic lymphohistiocytosis type 3 patients

Viviane Dettmer (Freiburg, Germany)

10:45 **Coffee Break & Industry Exhibition / Foyer & Small Conference Hall**

SESSION III

Chairs: Marta Rizzi, Wolfgang Schamel

11:15 **Subcellular scaffolding of BCR signal effectors by CIN85 controls antibody responses in humans**

Jürgen Wienands (Göttingen, Germany)

11:45 **Selected Talk:**

Single-cell profiling of the myeloid cell compartment identifies new cell populations with distinct fates during neuroinflammation

Marta Jordao (Freiburg, Germany)

12:00 **Caveolin-1: The unnoticed player in BCR activation**

Susana Minguet (Freiburg, Germany)

12:30 **Selected Talk:**

MFHR1: a novel multi target complement inhibitor for the treatment of complement diseases

Karsten Häffner (Freiburg, Germany)

12:45 **Lunch Break & Industry Exhibition / Foyer & Small Conference Hall**

SESSION IV

Chairs: Angelika Rambold, Robert Zeiser

- 14:00 **Signaling pathways that control T cell differentiation**
Doreen Cantrell (Dundee, UK)
- 14:30 **Selected Talk:**
Sorafenib enhances graft-versus-leukemia activity through IL-15 production in FLT3-ITD AML cells
Nimitha Mathew (Freiburg, Germany)
- 14:45 **Optogenetic control shows that kinetic proofreading regulates the activity of the T cell receptor**
Wolfgang Schamel (Freiburg, Germany)
- 15:15 **Selected Talk:**
T cell cooperativity shapes antigen-specific immune responses
Jan Rohr (Freiburg, Germany)
- 15:30 **Coffee Break & Industry Exhibition / Foyer & Small Conference Hall**

SESSION V

Chairs: Angelika Rambold, Robert Zeiser

- 16:00 **The role of IL-1 and Type I IFN in Autoinflammatory diseases, from bedside to bench and back to the bedside**
Raphaela Goldbach-Mansky (Bethesda, USA)
- 16:30 **Selected Talk:**
IFN- λ acts as mucosal adjuvant strongly promoting TSLP-mediated IgG1 and IgA antibody responses
Liang Ye (Freiburg, Germany)
- 16:45 **Novel gene and immunotherapeutic approaches to fight HIV infection and prostate cancer**
Toni Cathomen (Freiburg, Germany)
- 17:15 **Selected Talk:**
ADA2 is a lysosomal nuclease involved in the nucleic acid sensing of myeloid cells
Michele Proietti (Freiburg, Germany)
- 18:00 **POSTER SESSION II**
- 20:00 **CONFERENCE DINNER AT THE FORUM MERZHAUSEN**
(Registration required)

DAY 3 - FRIDAY JUNE 29, 2018

08:00 **Registration**

SESSION VI

Chairs: Susana Minguet, Toni Cathomen

08:30 **Hidden in details: T cell activation by the Src-protein tyrosine kinase p56lck**
Burkhard Schraven (Magdeburg, Germany)

09:00 **Selected Talk:**
Deciphering the regulatory control of yd T cell development by single cell transcriptome analysis
Sagar (Freiburg, Germany)

09:15 **Organelles - instructing immune metabolism and function**
Angelika Rambold (Freiburg, Germany)

09:45 **Selected Talk:**
Characterization of functional and transcriptional effects derived from the Nck-TCR interaction inhibition
Diana Reyes (Madrid, Spain)

10:00 **Coffee Break & Industry Exhibition / Foyer & Small Conference Hall**

SESSION VII

Chairs: Susana Minguet, Toni Cathomen

10:30 **Lymph node homing of lymph-derived immune cells**
Reinhold Förster (Hannover, Germany)

11:00 **Selected Talk:**
Resident macrophages in the skin interconnect immune and nervous system
Julia Kolter (Freiburg, Germany)

11:15 **Regulation of the allogeneic immune response**
Robert Zeiser (Freiburg, Germany)

11:45 **Selected Talk:**
Residual viral antigen induces high levels of virus-specific antibodies but only weak B cell memory
Hanspeter Pircher (Freiburg, Germany)

12:00 **Lunch Break & Industry Exhibition / Foyer & Small Conference Hall**

SESSION VIII

Chairs: Robert Thimme, Stephan Ehl

- 14:00 **Of mice and men: role of microbiota in host fitness**
Barbara Rehermann (Bethesda, USA)
- 14:30 **Selected Talk:**
Paracoccidioidomycosis associated with a heterozygous STAT4 mutation and impaired IFN- γ immunity
Lena-Friederike Schimke Marques (Freiburg, Germany)
- 14:45 **T cell exhaustion in viral hepatitis**
Robert Thimme (Freiburg, Germany)
- 15:15 **Selected Talk:**
Interferon-lambda prevents the spread of respiratory viruses from the upper respiratory tract to the lungs and restricts virus transmission in mice
Daniel Schnepf (Freiburg, Germany)
- 15:30 **Coffee Break & Industry Exhibition / Foyer & Small Conference Hall**

SESSION IX

Chairs: Robert Thimme, Stephan Ehl

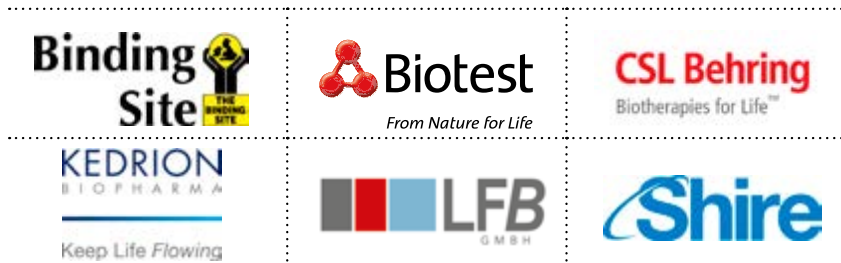
- 16:00 **Maintenance of Immunological Memory**
Andreas Radbruch (Berlin, Germany)
- Selected Talk:**
- 16:30 **Enhanced B cell activation promotes autoimmunity in ALPS patients**
Marta Rizzi (Freiburg, Germany)
- 16:45 **What do we learn from CTLA4 insufficiency about the human immune system?**
Bodo Grimbacher (Freiburg, Germany)
- Selected Talk:**
- 17:15 **LRBA facilitates autophagy in B cells through binding PI3KR4**
Laura Gamez (Freiburg, Germany)

18:00 **END**

THANKS TO OUR EXHIBITORS:



THANKS TO OUR SPONSORS:



Exhibitors with 2,000 Euro for information booth and promotional purposes
Sponsors with 750 Euro for promotional purposes

CONGRESS INFORMATION

Convener

Faculty of Medicine

79085 Freiburg

Stephan Ehl

Center for Chronic Immunodeficiency &

Center for Pediatrics

Medical Center – University of Freiburg

CONTACT CONVENER

Heike Ufheil

fon +49 761 270-71020

heike.ufheil@uniklinik-freiburg.de

international.immunology@uniklinik-freiburg.de