

Welcome

The recent years have been very exciting in immunodeficiency research. We have learned enormously about the function of the human immune system from patients with rare primary immunodeficiencies. Advances in basic immunology have paved the way for this and will continue to provide the groundwork for translational research leading to innovative therapies.

The Centre of Chronic Immunodeficiency (CCI), the Collaborative Research Centre 620 Immunodeficiency – Clinical manifestations and animal models (SFB 620) and the EU consortium on systems biology of T cell activation (SYBILLA) are an example of a platform for the development of research, diagnosis and treatment of genetically determined immunodeficiency.

We cordially invite you to the joint symposium „Immunodeficiency and beyond“ and are looking forward to discuss the most important recent developments in the field of immunodeficiency with national and international experts.

Prof. Stephan Ehl
CCI

Prof. Hanspeter Pircher
SFB 620

Prof. Wolfgang Schamel
SYBILLA

Travel to and from Freiburg:

By air:

The nearest Airport is Basel-Mulhouse. Frankfurt Intern. Airport and Zurich Intern. Airport are both connected with Freiburg by highspeed train link (ICE).

By train:

ICE and Intercity trains connect Freiburg with all major centers in Europe.

By car:

Leave the A5 motorway at ‚Freiburg Mitte‘ and follow signs ‚Universitätszentrum‘.

Venue:

Albert-Ludwigs-Universität Freiburg
Kollegiengebäude I
Aula 1. OG
Platz der Universität 3
79098 Freiburg
47° 59,618' N 007° 50,766' E

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in cooperation with



Die Veranstaltung ist bei der Landesärztekammer Baden-Württemberg zur Anerkennung gemeldet

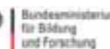


thanks to



Freiburg Symposium on Immunodeficiency and beyond

March 29-31, 2012



Thursday, March 29

Session 1 | Chair Hanspeter Pircher

- 13:30 Introduction | Welcome
Stephan Ehl, Hanspeter Pircher, Wolfgang Schamel
- 13:35 Mark Davis
T cell receptor organization and dynamics in the immunological synapse
- 14:05 Wolfgang Schamel
Discrimination of high from low affinity antigens by the TCR
- 14:25 Marie Malissen
LAT signaling pathology - an „autoimmune“ condition without T cell self-reactivity
- 14:55 Michael Bevan
Controlling the T cell response
- 15:25 Stephan Ehl
Hemophagocytic syndrome - a threshold disease determined by antigen persistence
- 15:40 Coffee Break

Session 2 | Chair Stephan Ehl

- 16:10 Thomas Boehm
Comparative functional genomics in immunodeficiency research
- 16:25 Alain Fischer
Primary T cell immunodeficiencies and autoimmunity
- 16:55 Hans-Reimer Rodewald
Immunodeficiency and T cell leukemia
- 17:25 Antonella Viola
Defective T cell migration and human pathology
- 17:45 Ana Izcue
Regulation of intestinal T cell responses
- 18:00 Bodo Grimbacher
The role of T cells in the mucosal host defence against candida

Friday, March 30

Session 3 | Chair Thomas Boehm

- 08:30 Luigi Notarangelo
SCID, evolving stories
- 09:00 Douglas Fearon
Immune suppression and cachexia of cancer: A stromal cell lineage
- 9:30 Arup Chakraborty
How to hit HIV where it hurts
- 10:00 René van Lier
Blood and beyond: Properties of virus-specific human T cells
- 10.30 Coffee Break

Session 4 | Chair Wolfgang Schamel

- 11:00 Robert Thimme
T cell failure in chronic hepatitis C virus infection
- 11:15 Hanspeter Pircher
Phenotype and function of memory CD8 T cells in murine salivary glands
- 11:30 Thomas Höfer
Cytokine memory in T helper cells
- 12:00 Gottfried Baier
PKCalpha is a key regulator of Th17 CD4+ T cell effector functions
- 12:20 Riitta Lahesmaa
New insights into molecular mechanisms of human T cell differentiation
- 12.40 Lunch Break

Friday, March 30

Session 5 | Chair Michael Reth

- 14:00 Marina Cavazzona-Calvo
Immunodeficiencies: From the molecular diagnosis to innovative therapies
- 14:30 Klaus Warnatz
Altered BCR signalling: Learning from human immunodeficiency
- 14:45 Pamela Schwartzberg
Regulating lymphocyte interactions
- 15:15 Alexander Rudensky
Regulatory T cells and control of inflammation
- 15.45 Coffee Break

Session 6 | Chair Hans-Hartmut Peter

- 16:15 Michael Reth
The dissociation activation model of B cell activation
- 16:30 Klaus Rajewsky
Modeling Epstein-Barr-Virus driven lymphoma genesis and immune surveillance in mice
- 17:00 Michael Neuberger
Antibody diversity: Deficiencies and excesses
- 17:30 Hermann Eibel
Human Baff-receptor deficiency
- 17:45 Reinhard Völl
The unfolded protein response: Survival elixir and Achilles' heel for plasma cells

Evening Option

Friday, March 30
19:30 Dinner for all
LeBuffet Freiburg | 4th floor
Kaiser-Joseph-Straße 165
79098 Freiburg

Saturday, March 31

Session 7 | Chair Andreas Diefenbach

- 09:00 Christophe Benoist
Genomics of tolerance
- 09:30 Ruslan Medzhitov
Host Defense Strategies
- 10:00 Philipp Henneke
Nucleotide sensing links bacterial processing and inflammatory signaling in macrophages
- 10:15 Jean-Laurent Casanova
Toward a genetic theory of infectious diseases
- 10:45 Peter Stäheli
Interferon-lambda determines the intestinal epithelial antiviral host defense
- 11.00 Coffee Break

Session 8 | Chair Philipp Henneke

- 11:30 Christoph Klein
Monogenic defects of human immunity - genes and gene therapy
- 12:00 Klaus Schwarz
Novel genetic defects in Human Severe Combined Immunodeficiency
- 12:15 Georg Häcker
Gene-deficiencies in neutrophils: Defect in survival or in differentiation?
- 12:30 Marco Colonna
NK cells in mucosal immune responses
- 13:00 Andreas Diefenbach
Transcriptional control of effector fate decisions of innate lymphocytes