

INDUSTRY SHOW



WELCOME

At the beginning of 2016, the **Center for Translational Cell Research** was established at the MEDICAL CENTER – UNIVERSITY OF FREIBURG. In the new building, the **Center for Chronic Immunodeficiency (CCI)** and the **Comprehensive Cancer Center Freiburg (CCCF)** will join forces to promote the transfer of lab-based research into clinical applications. In the future, research groups focused on translational research will work together on a surface area of 3,700 square meters. In addition, a state of the art core facility for cell analysis and cytometry will be available, to efficiently support the research groups in Freiburg.

The event “**Oncology meets Immunology: Opening Symposium of the Center for Translational Cell Research**” will show how the development of novel diagnostic and therapeutic methods will go along with the application of innovative methods in the areas of immunological, oncological, biochemical and molecular genetics research.

We cordially invite you to the joint symposium and are looking forward to discuss the most important recent developments in the fields of immunodeficiency, immune dysregulation and cancer with national and international experts.

Prof. Dr. Bodo Grimbacher

Prof. Dr. Justus Duyster

Prof. Dr. Christoph Peters

Prof. Dr. Stephan Ehl

Prof. Dr. Robert Zeiser

VENUES:

MEDICAL CENTER – UNIVERSITY OF FREIBURG

Center for Translational Cell Research
Breisacher Str. 115
79106 Freiburg

Department of Obstetrics and Gynecology
Hugstetter Str. 55
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UNIVERSITÄTS
KLINIKUM FREIBURG



OPENING SYMPOSIUM
**Center for Translational
Cell Research**

ONCOLOGY MEETS
IMMUNOLOGY
September 15 - 17, 2016

Stand bei Drucklegung

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Thursday, September 15, 2016
Center for Translational Cell Research

11:00 a.m. **Registration and Coffee**

01:00 p.m. **WORKSHOPS**
by PROimmun e.V.
(registration required)



WORKSHOP 1
AGILENT TECHNOLOGIES
Next Generation Sequencing 1:
Targeted Enrichment
Room 045 Ground Floor

WORKSHOP 2
BECTON DICKINSON
New Technologies in FACS/
Cell Imaging
Room 057 Ground Floor

03:00 p.m. **Coffee Break**

03:30 p.m. **WORKSHOP 3**
ILLUMINA
Next Generation Sequencing 2:
The Analysis
Room 045 Ground Floor

WORKSHOP 4
AFFYMETRIX
How to Detect RNA by FACS
Room 057 Ground Floor

05:30 p.m. **Get Together**
Foyer



Friday, September 16, 2016
Department of Obstetrics and Gynecology, Auditorium

**Tumor Immunology, Targeted Therapies,
Microenvironment & Inflammation**

08:15 a.m. **Welcoming Introduction**
BODO GRIMBACHER
(CCI, Medical Center – University of Freiburg)
ROBERT ZEISER
(CCCF, Medical Center – University of Freiburg)

SESSION 1 | Tumor Immunology and Gene Editing
Chairs: Stephan Ehl and Jürgen Finke

08:30 a.m. **HANS STAUSS** (University College London)
T Cell Receptor Editing to Combat Cancer

09:00 a.m. **MARTIN PULE** (University College London)
CAR T Cells for Immunotherapy

09:30 a.m. **WOLFGANG SCHAMEL** (CCI, Biology Faculty, Medical Center – University of Freiburg)
Insights into TCR Functioning Opens New Horizons for Immune Cancer Therapy

09:45 a.m. **TONI CATHOMEN** (CCI & Institute for Cell and Gene Therapy, Medical Center – University of Freiburg)
Gene Therapy in Freiburg – Novel Treatment Options for Chronic Immunodeficiencies

10:00 a.m. **SVEN DIEDERICH** (Department Thoracic Surgery, Medical Center – University of Freiburg)
Functional Screens for Long Non-Coding RNAs in Lung Cancer

10:15 a.m. **Coffee Break**

SESSION 2 | Targeted Therapies (Small Molecules, Monoclonal Antibodies)
Chairs: Thomas Reinheckel and Justus Duysters

10:45 a.m. **DAVID A FRUMAN** (UCI, University of California, Irvine)
PI3kinases

11:15 a.m. **RALPH FRITSCH** (Department of Medicine I, Medical Center – University of Freiburg)
Molecular Regulation of Class I PI3K Isoforms

11:30 a.m. **BODO GRIMBACHER** (CCI, Medical Center – University of Freiburg)
S-6-kinopathies

11:45 a.m. **GEOFFREY HILL** (Queensland Institute of Medical Research, Australia)
Targeting IL-6R to Prevent GvHD

12:15 a.m. **TILMAN BRUMMER** (Institute of Molecular Medicine and Cell Research, ZBMZ, University of Freiburg)
Differential Effects of B-Raf Mutations

12:30 a.m. **Lunch Break**

SESSION 3 | The Inflammation and the Development of the Immune System
Chairs: Alexandra Nieters and Georg Häcker

02:00 p.m. **PASCAL SCHNEIDER** (Department Biochemistry, University of Lausanne)
The B Cell Survival Cytokines BAFF and APRIL

02:30 p.m. **GABRIELE NIEDERMANN** (Department for Radiotherapy, Medical Center – University of Freiburg)
Immune-Mediated Eradication of Cancer (Stem) Cells

02:45 p.m. **THOMAS BOEHM** (Max-Planck-Institute, Freiburg)
T Cell Development in the Thymus

SESSION 4 | Microenvironment in Inflammation and Cancer
Chairs: Christoph Peters and Klaus Warnatz

03:00 p.m. **HENNER FARIN** (Epithelial Tumorigenesis and Microenvironmental Signaling, DKFZ, Heidelberg)
Mechanisms of Paracrine Wnt Signaling in Normal Intestinal Stem Cells and Colon Cancer

03:30 p.m. **JOCHEN MAURER** (Department of General and Visceral Surgery, Medical Center – University of Freiburg)
Breast Cancer Stem Cells Interact with the Tumor Microenvironment

03:45 p.m. **Coffee Break**

04:15 p.m. **ANDREAS RADBRUCH** (Deutsches Rheuma-Forschungszentrum, Berlin)
The Role of the Bone Marrow Niche on B- and T-Cell Memory

04:45 p.m. **BERND PICHLER** (Preclinical Imaging & Radiopharmacy, Tübingen)
Non-Invasive In Vivo Imaging to Track Immune and Cancer Cells

05:15 p.m. **MICHAEL HENEKA** (Department of Neurology, University of Bonn)
Innate Immune Activation in Alzheimer's Disease

05:45 p.m. **PHILIPP HENNEKE** (CCI, Medical Center – University of Freiburg)
Macrophage Subset Development and Environmental Imprinting Determine Immunity in Staphylococcal Soft Tissue Infection

07:00 p.m. **Freiburg Guided City Tour**
(by invitation only)

08:00 p.m. **Evening Event**
Karstadt, Le Buffet, 4th Floor
Kaiser-Joseph-Str. 165, Freiburg
(registration required)

Saturday, September 17, 2016
Department of Obstetrics and Gynecology, Auditorium

Epigenetics in Lymphoma and B-Cell Development & Metabolomics in Cancer and the Immune System

SESSION 5 | Epigenetics and Signaling
Chairs: Michael Lübbert and Rainer Claus

09:00 a.m. **CHRISTOPH PLASS** (Division of Epigenomics and Cancer Risk Factors, DKFZ, Heidelberg)
DNA Methylation and the Cellular Origin of Cancer

09:30 a.m. **ROBERT ZEISER** (Department of Hematology and Oncology, Medical Center – University of Freiburg)
Epigenetic Regulation of GVHD via Micro RNAs

09:45 a.m. **MIRIAM ERLACHER** (Department of Pediatric Hematology and Oncology, Medical Center – University of Freiburg)
Apoptosis Signaling in the Hematopoietic System

10:00 a.m. **LENA ILLERT** (Department of Medicine I, Medical Center – University of Freiburg)
Identification of Lymphoma Initiating Cell Population in Murine T-NHL Model

10:15 a.m. **ESTEBAN BALLESTAR** (Bellvitge Biomedical Research Institute, Barcelona)
Epigenetic Signals in Antibody Deficiency

10:45 a.m. **CLAUDIA BOSSEN** (CCI, Medical Center – University of Freiburg)
Enhancer Establishment in B Cell Development

11:00 a.m. **Coffee Break**

SESSION 6 | Metabolomics in Cancer and the Immune System
Chairs: Edward Pierce and Hermann Eibel

11:30 a.m. **DAVID C RUBINSZTEIN** (Cambridge Institute for Medical Research)
Autophagy Regulates Notch Signalling

12:00 a.m. **ALMUT SCHULZE** (Biocenter, University Würzburg)
Targeting Cancer Metabolism

12:30 a.m. **ERIKA PEARCE** (Max-Planck-Institute of Immunobiology and Epigenetics, Freiburg)
Metabolic Regulation of T Cell Function and Fate

01:00 p.m. **ANGELIKA RAMBOLD** (CCI, Max-Planck-Institute of Immunobiology and Epigenetics, Freiburg)
Organelles – Metabolic Regulators of Immune Cell Function

01:15 p.m. **Closing Remarks**
ROBERT ZEISER
(CCCF, Medical Center – University of Freiburg)
BODO GRIMBACHER
(CCI, Medical Center – University of Freiburg)

01:30 p.m. **Farewell Food**