

# Scientific Program

## Monday, June 6<sup>th</sup>

- 15:30 Welcome  
Prof. Thomas Hünig
- 15:45 – 16:30 Prof. Frank Kirchhoff  
Institute for Molecular Virology, Ulm  
Role of Vpu and Nef in Primate  
Lentiviral Pathogenesis and  
Transmission

**16:30 – 17:00 Pause**

### Session I: Lymphocyte Subsets Chairs: Paula Römer (Wü), Lukas Heger (Er)

- 17:00 – 17:25 Mohindar Murugesh Karunakaran (Wü)  
Evolution of Gamma Delta T Cell Receptors
- 17:25 – 17:50 Andrea Allgäuer (Er)  
Immunoregulatory Function of Human TCR $\alpha\beta$ <sup>+</sup> CD4<sup>-</sup> CD8<sup>-</sup> T-Lymphocytes
- 17:50 – 18:15 Katharina Oeser (Er)  
Role of miRNAs in B Cell Development

**18:30 – 20:00 Dinner**

**20:30 – 22:00 Poster Session I**

## Tuesday, June 7<sup>th</sup>

### Session II: Immune System in Disease Chairs: Sarah Sandwick (Wü), Michael Durben (Tü)

- 09:00 – 09:25 David Goldeck (Tü)  
Immune Signatures in Patients with Alzheimer's Disease
- 09:25 – 09:50 Johannes Weirather (Wü)  
CD4<sup>+</sup> T-Lymphocytes Have an Impact on Wound Healing after Experimental Myocardial Infarction in Mice
- 09:50 – 10:15 Christina Pachel (Wü)  
Characteristics of Cardiac Fibroblasts Derived from ALOX-Knockout Mice Hint Towards an Involvement in Increased Mortality after Myocardial Infarction

**10:15 – 10:45 Pause**

### Session III: Mechanisms of Detrimental Immune Responses Chairs: Daniela Kao (Er), Patrick Günther (Tü)

- 10:45 – 11:10 Ana Laura Jordán Garrote (Wü)  
Role of Dendritic Cells During the Effector Phase of Intestinal Graft Versus Host Disease.
- 11:10 – 11:35 Lena Diez (Wü)  
NFAT in Experimental Autoimmune Encephalomyelitis, an Animal Model of Multiple Sclerosis
- 11:35 – 12:00 Ulrike Harre (Er)  
Effects of Autoantibodies against Mutated Citrullinated Vimentin (MCV) on Osteoclast in Context of Rheumatoid Arthritis

**12:00 – 13:30 Lunch**

### Session IV: Molecular Players of Immune Responses Chairs: Hani Alrefai (Wü), Lena Krzyzak (Er)

- 13:30 – 13:55 Monika Fröhlich (Wü)  
CD28 is Important for Memory CD8 T-Cell Responses
- 13:55 – 14:20 Anh Thuy Duong Pham (Wü)  
NFATc1/ $\alpha$ A Induction is the Signal for the Full Activation of B Lymphocytes
- 14:20 – 14:45 Matthias Pauthner (Er)  
Recognition of Glycolipids by Mincle
- 14:45 – 15:10 Heike Schmitt (Er)  
Effect of G-CSF on Vaccine-Induced Immune Responses

**15:10 -15:40 Pause**

### Session V: Dendritic Cells and Antigen Processing Chairs: Mahmood Zafar (Wü), Julia Hilpert (Tü)

- 15:40 – 16:05 Verena Schmitt (Er)  
Generation and Characterization of moDCs
- 16:05 – 16:30 Sabrina Thomann (Er)  
The Role of DNA-Methylation During Stimulation of Plasmacytoid Dendritic Cells
- 16:30 – 16:55 Jens Schreiner (Tü)  
Staphylococcus Aureus PSM Peptides Inhibit Proinflammatory Cytokine Secretion by DCs and Induce Regulatory T Cells
- 16:55 – 17:20 Andreas Maurer (Tü)  
Processing of the MHC Class II Associated Invariant Chain

**17:20 – 17:50 Pause**

## Wednesday, June 8<sup>th</sup>

### Session VI: Tumor antigens

Chairs: Sonja Lacher (Er), Diana Meckbach (Tü)

- 17:50 – 18:15 Andreas Hunczek (Tü)  
Glycolipids as Promising Target  
Antigens for Immunotherapy of  
Neuroblastoma
- 18:15 – 18:40 Heiko Schuster (Tü)  
HLA-Ligandome Analysis of Isolated  
Tumor Cells and Putative Tumor  
Initiating Cells
- 18:40 – 19:05 Janet Peper (Tü)  
Natural HLA Ligand of Histone  
Deacetylases Provides Novel T-Cell  
Antigen for Immunotherapy of Ovarian  
Carcinoma
- 19:05 – 19:30 Christina Kyzirakos (Tü)  
Identification of Novel EBV-Specific  
MHC Class-II Epitopes

20:00 – 21:00 **Dinner**

21:00 – 22:30 **Poster Session II**

#### Contact:

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### Session VII: Tumor Immunology I

Chairs: Ahmed Adel Seida (Wü), Julia Schmid (Er)

- 09:00 – 09:25 Valentin Bruttel (Wü)  
Role of HLA-G in Ovarian Cancer
- 09:25 – 09:50 Ellen Brenner (Tü)  
TLR-Mediated Inflammation Promotes  
Metastasis of B16 Melanoma
- 09:50 – 10:15 Henning Zelba (Tü)  
Prospective Studies Reveal that the  
Presence of NY-ESO-Specific T-Cells  
is Associated with Good Prognosis in  
Melanoma Patients
- 10:15 – 10:40 Julia Hilpert (Tü)  
Comprehensive Analysis of the  
Involvement of the Activating  
Immunoreceptor NKG2D and its  
Ligands in NK Cell Reactivity against  
Leukemia

10:40 – 11:10 **Pause**

### Session VIII: Tumor Immunology II

Chairs: Itsaso Montalbán (Wü), Julia Wild (Tü)

- 11:10 – 11:35 Johannes Racher (Wü)  
Clinical Scale DC-Vaccines for Tumor-  
Immunotherapy
- 11:35 – 12:00 Frederik Henrich (Er)  
Specific Induction of Anti-Tumor  
Responses through in Vivo Targeting  
of Dendritic Cells
- 12:00 – 12:25 Nina Werthmüller (Er)  
The Effect of AnnexinA5 on the  
Immunogenicity of Irradiated Tumor  
Cells

12:25 – 13:35 **Farewell**

13:35 – 14:15 **Lunch**

## 6<sup>th</sup> Annual Meeting

## Erlangen, Tübingen and Würzburg Immunology Training Network

June 6 - 8, 2011

Klosterhospiz Neresheim  
Neresheim, Germany



**Immunomodulation**  
Graduate Program

# Poster Session I

Monday 6<sup>th</sup> June

20:30 – 22:00

**Dominik Bloes (Tü)**

The Role of Human Formyl-Peptide Receptor 2  
Distinguishing between Pathogens and Influencing  
Inflammation

**Patrick Günther (Tü)**

The Lactoferrin Receptor CD209/DC-SIGN Mediates  
Efficient Infection of Monocyte-Derived Dendritic  
Cells by Clinical Adenovirus 2C Isolates

**Diana Meckbach (Tü)**

Systems Biology of Melanoma

**Melanie Haars (Er)**

Establishment of a Transwell Assay for Analysis of  
Migration of Dendritic Dells towards Irradiated Tumor  
Cells

**Lukas Heger (Er)**

Analysis of CD22-Mutants by Co-  
Immunoprecipitation

**Daniela Kao (Er)**

Inhibition of miRNA Processing by Deleting DGCR8  
in Different B Cell Populations

**Lena Krzyzak (Er)**

Establishing an EAE Protocol for Dereg Mice

**Maria Bieringer (Wü)**

Adaption of Canine Distemper Virus to Human Cells

**Thomas Böck, Sonja Kern (Wü)**

Pathogenesis of Pneumoviral Infections after  
Hematopoietic Stem Cell Transplantation

**Monika Camara (Wü)**

Role of CD8+ T Cells in the Pathogenesis of  
Experimental Autoimmune Encephalomyelitis

**Zafar Mahmood (Wü)**

Characterization of IgD- CD27- B Cells in RA

**Denise Mathes (Wü)**

The Role of T Lymphocytes in the Ischemic Heart

## Poster Session II

Tuesday 7<sup>th</sup> June

21:00 – 22:30

**Michaela Renner-Schneck (Tü)**

Crystal Structure Determination of the Human NKG2D-Ligand ULBP2 in Complex with the HCMV Immuno-Evasin UL16

**Zora Teltschik (Tü)**

TCF1 Mediated Wnt Signaling Specifically Regulates Paneth Cell Innate Immune Defense

**Sonja Lacher (Er)**

Eukaryotic Expression of Functionally Active Recombinant Soluble CD83

**Jenny Ostrop (Er)**

Cloning of a Potentially Soluble Isoform of the Human BDCA-2 Molecule

**Julia Schmid (Er)**

Acute MCMV Infection and its Influence on Splenic Architecture

**Sabrina Sell (Er)**

L-Arginine Dependent Regulation of Inducible Nitric Oxide Synthase

**Itasaso Montalbán (Wü)**

Immunosuppressive Role of Adenosine Produced by Ectonucleotidases CD39 and CD73 in Ovarian Cancer, Tumor Associated Macrophages and the Host Immune System

**Krisna Murti (Wü)**

The Role of NFATc1 Isoforms in Carcinogenesis

**Paula Römer (Wü)**

Transient Signaling Defect of Circulating Human T-Cells Explains Failure to Predict TGN1412 Catastrophe

**Sarah Sandwick (Wü)**

The Role of Myeloid Derived Suppressor Cells in Experimental Autoimmune Encephalomyelitis

**Ahmed Adel Seida (Wü)**

The Immunomodulatory Role of Endogenous Glucocorticoids in Ovarian Cancer