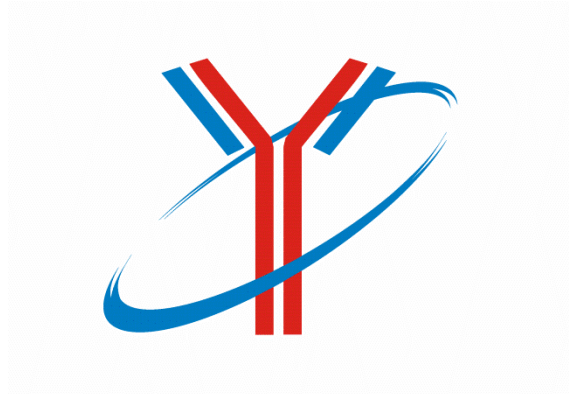


The Doctoral Research Training Programs  
GK1660, IRTG TRR130 and  
IRTG CRC1181  
present  
the

# 5<sup>TH</sup> INTERNATIONAL GK SYMPOSIUM



## REGULATORS OF ADAPTIVE IMMUNITY

Erlangen  
September 9-11



Universitätsklinikum  
Erlangen



## Friday - 9<sup>th</sup> September 2016

10<sup>30</sup>      **Registration**

11<sup>30</sup>      **Welcome Address**  
Diana Dudziak & student speakers

### **Session 1: Evolution of immunity**

Chairs: *Anne Hahn & Christian Bogdan*

11<sup>50</sup>      **Martin Flajnik**  
Evolution of lymphoid tissues

12<sup>30</sup>      **Janet Kelso**  
The contributions of archaic humans to modern human immunity

13<sup>10</sup>      Lunch Break

### **Session 2: Life cycle of leukocytes**

Chairs: *Christina Baro & Diana Dudziak*

14<sup>10</sup>      **Marco Herold**  
Identification of novel cell death regulators in hematopoietic cells using CRISPR/ Cas9 technology

14<sup>50</sup>      **Tim Sparwasser**  
Influencing immune cell activation and differentiation by microbe-associated immunomodulatory metabolites

15<sup>30</sup>      Coffee Break

### **Session 3: Autoimmunity**

Chairs: *Jasmin Knopf & Falk Nimmerjahn*

16<sup>00</sup>      **Arthur Weiss**  
Regulation of proximal T cell antigen receptor signaling

16<sup>40</sup>      **Kathryn Haskins**  
Novel peptide antigens for pathogenic T cells in autoimmune diabetes

17<sup>20</sup>      Coffee Break

### **Session 4: Tolerance**

Chairs: *Thomas Weisenburger & Lars Nitschke*

17<sup>50</sup>      **Polly Matzinger**  
Tolerance at interfaces

18<sup>30</sup>      Break

20<sup>00</sup>      **Speakers' Dinner** (*invited guests only*)

## Saturday - 10<sup>th</sup> September 2016

08<sup>40</sup> Registration

### Session 5: B cell immunity

Chairs: *Martin Becker & Dirk Mielenz*

09<sup>20</sup> **David Gray**  
B cell contribution to autoimmune pathology: unusual messages in V gene sequences

10<sup>00</sup> **Michael Cancro**  
How we know our ABCs: T-bet driven effectors of protective and autoimmune response

10<sup>40</sup> Coffee Break

### Session 6: B cell memory

Chairs: *Katharina Pracht & Hyun-Dong Chang*

11<sup>10</sup> **Marc Schmidt-Supprian**  
The Diverse Regulation of B Cell Differentiation and Disease by NF-κB

11<sup>50</sup> **David Allman**  
How serum antibody titers are maintained for the long-term

12<sup>30</sup> Lunch Break

### Session 7: Mucosal immunity

Chairs: *Sebastian Schulz & Stefan Wirtz*

13<sup>30</sup> **Sidonia Fagarasan**  
Mucosal immunity

14<sup>10</sup> **Leszek Ignatowicz**  
Thymus-derived regulatory T cells contribute to tolerance to commensal microbiota

14<sup>50</sup> Coffee Break

### Session 8: Invariant lymphocytes

Chairs: *Mona Biermann & Gerhard Krönke*

15<sup>20</sup> **Olivier Lantz**  
A surprising connection: invariant T cells, vitamins, bacteria and wild mice

16<sup>00</sup> **Shigeo Koyasu**  
Innate lymphoid cells and inflammation

16<sup>40</sup> Break

17<sup>15</sup> **Poster Session** (*IRTG graduate students, faculty & speakers only*)

20<sup>00</sup> **Congress Party** (*admission only with congress party ticket*)

**Sunday - 11<sup>th</sup> September 2016**

**Session 9: Cancer immunotherapies**

Chairs: *Michael Rückert & Clemens Neufert*

**08<sup>30</sup>**            **Giorgio Trinchieri**  
Cancer as a disease of the metaorganism

**09<sup>10</sup>**            **Tasuku Honjo**  
Cancer immunotherapy by PD-1 blockade

**09<sup>50</sup>**            **Dario Vignali**  
Targeting Tregs in tumors

**10<sup>30</sup>**            Coffee Break

**Session 10: T cell activation**

Chairs: *Tabea Haug & Thomas Winkler*

**11<sup>00</sup>**            **Michel Nussenzweig**  
The HIV vaccine problem

**11<sup>40</sup>**            **Lars Klareskog**  
From triggering to targeting; on adaptive immunity in Rheumatoid Arthritis

**12<sup>20</sup>**            Lunch Break

**Session 11: HIV vaccination strategies**

Chairs: *Lavanya Mokada-Gopal & Klaus Überla*

**13<sup>30</sup>**            **George Kassiotis**  
What T cells see in B cells

**14<sup>10</sup>**            **Dennis Burton**  
Toward rational HIV vaccine design

**14<sup>50</sup>**            **Farewell**  
Hans-Martin Jäck & student speakers