Registration

Please register, but there is no registration fee for this symposium.
Registration deadline: 15th May 2017
Online registration is available through the link:
https://goo.gl/forms/V3brtyKcLuhyRHqR2

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Symposium
Regulation of the T cell response
30th June 2017
in Würzburg

Venue:
Institute of Pharmacology and Toxicology
Versbacher Straße 9
D-97078 Würzburg

Supported by a grant from the Fritz Thyssen Stiftung
Introduction

Protective immune responses are subject to tight control mechanisms. This is particularly true for T cells which orchestrate immunity as a whole, but also produce effector cells directly tackling invading pathogens and cancer cells. Under certain conditions regulation of the T cell response, however, fails. This means that on the one hand cancer cells might not be destroyed by the immune system leading to excessive cancer growth. On the other hand, T cell responses might overshoot causing immunopathology which is associated with the destruction of healthy tissue. Similarly, misguided T cell responses may also cause autoimmune diseases like Multiple Sclerosis.

To be able to therapeutically modulate inadequate immune responses we require a comprehensive understanding of the molecular and cellular mechanisms regulating T cell immunity, including cells closely interacting with T cells like natural killer (NK) cells. We have, thus, brought together leading scientists in the field of T cell immunoregulation for this meeting. A focus of the presentations during this symposium will be on T cell receptor complex- and CD28-mediated costimulation.

Program

Friday, June 30th, 2017

9:00 Welcome Addresses
Matthias Frosch
Dean, Medical Faculty, University of Würzburg
Hermann Einsele
Vice President, University of Würzburg

Session 1: Central and Peripheral Tolerance
Chair Hans-Georg Rammensee
9:15 Thomas Böhm (Freiburg)
Evolution of thymopoietic environments
9:45 Shimon Sakaguchi (Osaka)
Suppression, anergy and deletion in peripheral tolerance
10:15 Adrian Hayday (London)
Cancer, Genetics, and Sabbaticals: elucidating epithelial control of immune surveillance
10:45 Coffee break

Session 2: Inhibitory Receptors
Chair Dieter Kabelitz
11:05 David Raulet (San Francisco)
Mechanisms of NK cell inhibition, desensitization and activation: potential for manipulation for cancer therapy
11:35 David Sansom (London)
Understanding CTLA-4
12:05 Lunch break

Session 3: Functional Polarization
Chair Anneliese Schimpl
13:30 Jung-Hyun Park (Bethesda)
Common γ-chain cytokine receptor expression controls T cell immunity
14:00 Michael Lohoff (Marburg)
IRFs in T cell subset differentiation
14:30 Frank Brombacher (Cape Town)
CD28 co-stimulation in worms and allergy
15:00 Coffee break

Session 4: Costimulation
Chair Stefan Meuer
15:30 Lucy Walker (London)
Coordinated control of T cell and B cell responses by regulating costimulation
16:00 Bernard Malissen (Marseille)
Toward an integrative biology of T cell-dendritic cell interactions
16:30 Jannie Borst (Amsterdam)
How CD4 T cells optimize the cytotoxic T cell response to cancer
17:00 Niklas Beyersdorf (Würzburg)
Therapeutic targeting of CD28 with monoclonal antibodies
17:30 Thomas Hünig (Würzburg)
Concluding remarks