

PREFACE

The goal of the Research Training Group 2599 FAIR- Fine-tuners of the adaptive immune response, is to establish an internationally competitive research and training program to promote young scientists and medical students in the field of immunology.

The analysis of defined molecular regulators using genome-wide transcriptome analysis, modern imaging techniques, transgenic mouse technologies and CRISPR-mediated genome editing identifies and characterizes new fine-tuners of adaptive immune responses and immune memory.

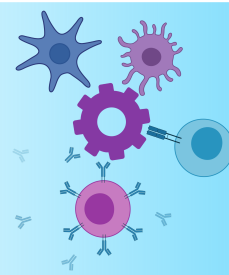
To reach our goal, we have recruited researchers with internationally recognized expertise in the field of adaptive immunity from eight institutes and clinical departments at Friedrich-Alexander- Universität Erlangen-Nürnberg (FAU).

We also offer an innovative training program for Dr. rer. nat. candidates with a Master's degree in life sciences. With its innovative training and research concept with hypothesis-driven projects, the research training group prepares our doctoral candidates for professional postgraduate careers as immunologists and help them to develop into critically thinking scientists, to complete their thesis in 3-4 years and build an international network.

GRK 2599

Fine-tuners

of the adaptive immune system



Minisymposia

B cells and beyond

organized by the

Research Training Group 2599

date: 15. - 16.09.2022

location: lecture hall, dental clinic

Glückstr. 11, 91054 Erlangen

Follow us for more information!



www.lymphozyten.de/



[@grk2599](https://twitter.com/grk2599)

THURSDAY, Sept 15th, 2022

09:00 Welcome & Introduction

Session 1:

Chair: Felix Neumärker

09:15 **Katherine Knight**

Microbe contribution to B cell development and antibody repertoire in GALT

10:15 **Sammy Bedoui**

Microbiota, metabolism and T cell memory

11:15 - 11:45 **Coffee break**

Session 2:

Chair: Shannon Ottmann

11:45 **David Tarlinton**

Why is IL21 so important for immunity?

12:45 - 13:45 **Lunch break**

Session 3:

Chair: Robert Blumberg

13:45 **Chandar Raman**

IL2: A driver of pathogenesis in multiple sclerosis

14:45 **Steven Nutt**

Understanding diversity in humoral immunity

15:45 - 16:15 **Coffee break**



Friedrich-Alexander-Universität
Erlangen-Nürnberg

Universitätsklinikum
Erlangen



Deutsche
Forschungsgemeinschaft

THURSDAY, Sept 15th, 2022

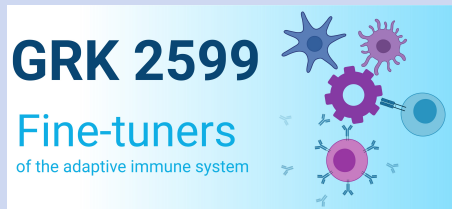
16:15 **networking & exchange with project leaders and speakers**

location: Glückstr. 6, 91054 Erlangen

Time	Room 00.024	Room 01.021
16:20 - 16:40	M. Herold/T. Winkler	K. Knight/U. Steffen
16:40 - 17:00		D. Tarlinton/U. Steffen

19:00 **Dinner at Entlas-Keller**

Location: An den Kellern 5-7
91054 Erlangen



FRIDAY, Sept 16th, 2022

Session 4:

Chair: Katharina Knab

10:00 **Anselm Enders**

A novel role of IRF4 on the development of B1a cells

11:00 **Bonnie Blomberg**

Driving aging B cell inflammation, metabolism and autoimmunity

12:00 - 13:00 **Lunch**

Session 5:

Chair: Carolina Riemer

13:00 **Marco Herold**

Exploiting the CRISPR toolbox for Advancing Cancer Research

14:00 **Christopher Paige**

Sunday afternoon projects: You never know where they lead!

15:00 - 15:30 **Coffee break**

15:30 **Networking & exchange with doctoral candidates in break-out groups**

19:30 **Dinner**

Break-out groups

Group 1:

Katherine Knight	Carolina Riemer
Marco Herold	Lizi Trapaidze
	Estelle Tcheumi Tactoum

Group 2:

Bonnie Blomberg	Timothy Chege Kuria
Chandar Raman	Ariful Haque Abir
	Roxana Zogorean

Group 3:

Christopher Paige	Vanessa Irumva
David Tarlinton	Katharina Knab
	Robert Blamberg

Group 4:

Marco Herold	Leonie Weckwerth
Anselm Enders	Shannon Ottmann
	Marie Steffensen

Group 5:

Sammy Bedoui	Felix Neumärker
Steven Nutt	Atefeh Sadeghi
	Marie Wiedermann