



Dear colleagues,

It is with special pleasure that on behalf of all members of the combined research grant TR156 I would like to invite you to our 2nd Int. Symposium "Frontiers in Skin Immunity" to the beautiful city of Heidelberg. The symposium will take place from May 27-28, 2022 and will provide a "state of the art" overview of recent developments in skin immunity. We are fortunate to host this event and have assembled some of the world's most renowned experts in the field as speakers.

The goal of this symposium is not only to provide an expert overview about the hot topics in skin research, but also to present the work of our TR156 at the end of its second funding period. Therefore an intense poster discussion with all project leaders will be prepared on the first day of the symposium. The TR156 is a world-unique consortium that bundles the research activities of the three universities Heidelberg, Tübingen, and Mainz in skin immunity. Its goal is to provide better insights in the skin immune system in a more "wholistic" approach. Therefore dermatologists, immunologists, microbiologists, and bioinformaticians are working together in this grant to gather a more complete and complex picture of the immune system of the skin and its interactions with systemic immunity. We are very proud that the German funding association (DFG) has granted us with the support necessary to pursue this goal.

Please join us in Heidelberg for this unique event of scientific exchange, fruitful interactions, and networking. Especially young investigators are cordially invited to join us for intense discussions and hopefully new scientific collaborations.

We all hope to see you in Heidelberg in May 2022!

With kind regards,

Prof. Dr. A. Enk  
Spokesperson of the TR156

## Program

Time:	May 27, 2022
Location:	DKFZ Communication Center
<b>10.15 h</b>	<b>Welcome</b> Alexander Enk
<b>Chairs:</b>	<b>Stefan Bauer and Erhardt Proksch</b>
<b>10.30 h</b>	<b>"Host microbiome interactions in Health and Disease"</b> Eran Elinav
<b>11.00 h</b>	<b>"Host-fungi interactions in the skin"</b> Salome LeibundGut
<b>11.30 h</b>	<b>"Altered microbiome in the hair follicles drives inflammatory and irreversible alopecia"</b> Keisuke Nagao
<b>12.00 h</b>	<b>"Differentiation and regulation of human innate lymphoid cells in inflammation"</b> Jenny Mjösberg
<b>12.30 h</b>	<b>Lunch</b>
<b>Chairs:</b>	<b>Stephan Grabbe und Lars French</b>
<b>13.30 h</b>	<b>"Multiparametric imaging of inflammation and immune system"</b> Manfred Kneilling
<b>14.00 h</b>	<b>"New multiplex 2D and 3D optical imaging methods for deep spatiotemporal analysis of normal and diseased tissues including skin"</b> Ronald Germain
<b>14.30 h</b>	<b>"Synthetic exosomes in skin"</b> Joachim Spatz

**15.00 Uhr** **"Neuronal control of cutaneous inflammation"**  
Daniel Kaplan

**10.00 h** **"Immune response patterns as basis of a new ontology of inflammatory skin diseases"**  
Kilian Eyerich

**15.30 Uhr** **Coffee break**

**10.30 h** **"Integration of single cell RNA-sequencing with spatial-sequencing identifies TREM2 macrophages in cutaneous inflammation"**  
Robert Modlin

**Chairs:** **Carien Niessen and Jochen Hühn**

**11.00 h** **"Mechanisms of skin fibrosis"**  
Richard Flavell

**16.00 h** **"Cutaneous immune responses to external stimuli in the development of inflammatory skin diseases"**  
Kenji Kabashima

**11.30 h** **Coffee break**

**16.30 h** **"Exploring the response of dermal cell subpopulations to wounding and UV irradiation"**  
Fiona Watt

**Chairs:** **Holger Rohde and Karsten Mahnke**

**17.00 h** **"Dermal fibroblasts steer vaccine-induced immune responses in melanoma"**  
Burkhard Ludewig

**12.00 h** **"Stratification of the immune cell micro-environment of the liver: consequences for anti-cancer therapies"**  
Mathias Heikenwälder

**17.30 h** **"Dendritic cells in immunity to melanoma and other cancers"**  
Caetano Reis e Sousa

**12.30 h** **"Linking skin inflammation to cardiovascular disease in a mouse model of psoriasis"**  
Ari Waisman

**18.00 h** **Poster discussion - Drinks and snacks**

**13.00 h** **"Organ specific impact of Fc-receptors in autoimmunity: from bone to skin"**  
Falk Nimmerjahn

## Program

Time:	May 28th, 2022
Location:	DKFZ Communication Center

**Chairs:** **Michel Gilliet and Axel Roers**

**13.30 h** **Poster discussion and farewell**

**09.30 h** **"Developmental cell programs in inflammatory skin disease"**  
Muzlifah Haniffa