

Osaka-Heidelberg/Mannheim Symposium on Immune Plasticity

November 8, 2018

International Academic Forum Heidelberg (IWH), Hauptstraße 242, Heidelberg

09:30-10:00 Coffee

Session I (chair: Alexander Dalpke)

10:00-10:15 Welcome (Nobuo Sakaguchii & Georg Stoecklin)

10:15-10:45 **Bone marrow microenvironmental niches for hematopoietic stem cells and immune cells**

Takashi Nagasawa (IFReC, Osaka University, Japan)

10:45-11:15 **Deciphering lineage pathways and clone sizes in the hematopoietic system by polylox barcoding**

Hans-Reimer Rodewald (DKFZ, Heidelberg, Germany)

11:15-11:45 **Antibody affinity maturation**

Nobuo Sakaguchi (IFReC, Osaka University, Japan)

11:45-12:15 **Single-cell assessment of human memory B cell responses to the malaria parasite *Plasmodium falciparum***

Hedda Wardemann (DKFZ, Heidelberg, Germany)

12:15-13:15 Lunch

Session II (chair: Takashi Nagasawa)

13:15-13:45 **Harnessing natural killer cells against cancer**

Adelheid Cerwenka (Medical Faculty Mannheim, Heidelberg University, Germany)

13:45-14:15 **Paired receptors in host-pathogen interaction**

Hisashi Arase (IFReC, Osaka University, Japan)

14:15-14:45 **Recognition of bacterial RNA by the innate immune system**

Alexander Dalpke (Medical Faculty Heidelberg, Heidelberg University, Germany)

14:45-15:15 Coffee Break

Session III (chair: Adelheid Cerwenka)

15:15-15:45 **The role of Regnase-1, an endoribonuclease in inflammation and immune responses**

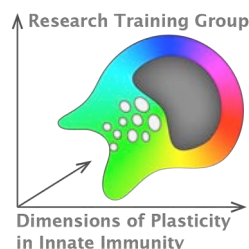
Shizuo Akira (IFReC, Osaka University, Japan)

15:45-16:15 **Control of protein synthesis during macrophage activation**

Georg Stoecklin (Medical Faculty Mannheim, Heidelberg University, Germany)

16:15-16:30 Concluding remarks (Adelheid Cerwenka & Akira Shizuo)

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