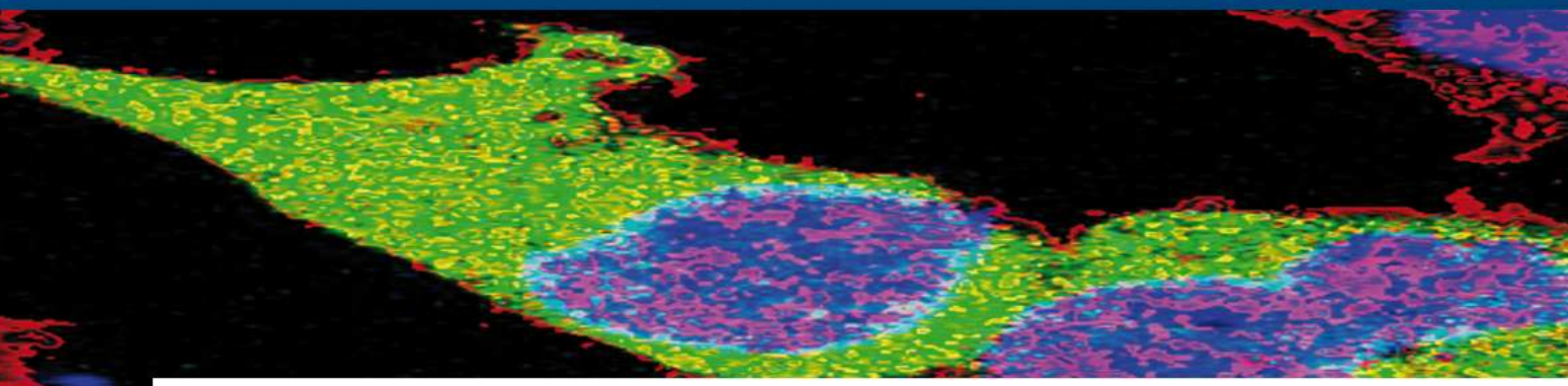
UniversitätsKlinikum Heidelberg



Mini symposium

Crossroads in immune signaling

November 11th, 2011

9.00 am to 6.00 pm, NH Hotel, Heidelberg

Postgraduate Program "Differential activation and integration of signaling modules"
funded by the postgraduate education program of Baden-Württemberg

Confirmed Speakers

Oreste Acuto, Oxford, Thomas Decker, Vienna,
Jürgen Ruland, Munich, Yenan Bryceson, Stockholm,
Edgar Serfling, Würzburg, Rudi Beyaert, Ghent

The meeting will take place at the NH Hotel Heidelberg, Bergheimer Straße 91,
D-69115 Heidelberg (Germany). Attendance is free but registration is required as space is limited.

Register by e-mail to immunesignaling@uni-hd.de

Organizer
A. Dalpke, Y. Samstag, K. Kubatzky, I. Bekeredjian-Ding, C. Watzl, K. Heeg, University Hospital Heidelberg

Further details will be announced upon registration.
Supported by SFB 938 „Environment specific control of immunological reacivity"

Further information: http://www.klinikum.uni-heidelberg.de/Immunesignaling-Home.111591.0.html

ID17537 Medienzentrum Universitätsklinikum

Program „Crossroads in immune signaling“

Venue: NH Hotel Heidelberg, Bergheimer Straße 91,69115 Heidelberg

9:00 A. Dalpke
Welcome note

9:10 Yenan Bryceson, Stockholm
"NK cell signaling"

9:50 André Cohnen, Watzl lab
“The role of CD107a during NK cell degranulation”
NK cells kill target cells by the directed release of cytotoxic molecules towards the target cell during a process termed degranulation. The NK cell must be protected from its own cytotoxic molecules during degranulation to avoid self damage. We provide evidence that CD107a (LAMP-1), that is externalized to the NK cell plasma membrane upon cytotoxic granule exocytosis, is involved in the protection from degranulation associated cell damage.

10:15 Saskia Ziegler, Bekeredjian-Ding lab
“Regulation of IL-10 production in human B lymphocytes”
A regulatory role of B cells in the immune response has been attributed to IL-10 production. Our current data imply that Toll-like receptors are important stimuli for the induction of IL-10 secretion. We have further identified a role for NFAT transcription factors in triggering IL-10 release from human B lymphocytes.

10:40 Edgar Serfling, Würzburg,
“The Ca++/Calcineurin/NFAT Signalling Pathway in B Cell Activation and Function”

11:20 *coffee break*

11:40 Oreste Acuto, Oxford,
"T cell receptor signaling"

12:20 Bianca Schulte, Samstag lab
"Analysis of cofilin oxidation in primary human T lymphocytes"
So far the characterisation of cofilin oxidation has relied on indirect results concerning changes in the tertiary structure of the protein which could explain its change in functionality. With methods such as NMR spectrometry, MS and protein modification assays we try to gain more insights into the molecular cause for the effects of cofilin oxidation.

12:55 *lunch break*

14:00 Jürgen Ruland, Munich
“SYK KINASE Signaling in Innate and Adaptive Immunity”

14:40 Daniela Metzdorf, Kubatzky lab
"The haematopoietic GTPase RhoH is a molecular switch regulating the activation profile of immune cells".
RhoH modulates TLR signalling of macrophages and mast cells probably by facilitating Syk activation. While Syk/RhoH seems to be required for proinflammatory cytokine production in mast cells, it inhibits these cytokines in macrophages.

15:05 Thomas Decker, Vienna,
"Stat-NFkB interaction in the regulation of pathogen-induced genes"

15:45 *coffee break*

16:05 Mariel Eberle, Dalpke lab
"Induction and properties of SOCS1 in myeloid cells by activation of Dectin-1"
Dectin-1 is a recently discovered PRR and is classified as a C-type lectin. We could show that Suppressor of Cytokine Signaling 1 (SOCS1) is induced in bone marrow derived macrophages via a new, NF-κB independent pathway. SOCS1 in turn influences TLR signaling, thus acting as a cross-inhibitor.

16:30 Rudi Beyaert, Ghent
"Negative regulation of NF-kB signaling by the ubiquitin-editing protein A20"

17:10 Closing words

19:00 Get Together, Dinner at the NH Hotel
(postgraduate program participants & speakers)