Signal Transduction Society (STS)

19th Joint Meeting

Signal Transduction
Receptors, Mediators and Genes

Leonardo Hotel Weimar
November 2 - 4, 2015
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Dear Colleagues:

We would like to welcome you cordially to the 19th Joint Meeting ‘Signal Transduction - Receptors, Mediators and Genes’ in Weimar.

In 1998, the STS was established by members of the ‘Signal Transduction’ study groups of the German Societies for Immunology (DGfI) and Cell Biology (DGZ) and the study group ‘Gene Technology and Biotechnology’ of the Society for Biochemistry and Molecular Biology (GBM) and since then created a platform to encourage and promote the scientific exchange between investigators engaged in the highly dynamic field of cellular signal transduction. With our annual ‘Joint Meeting Signal Transduction – Receptors, Mediators and Genes’, this aim of the STS has been pursued for nearly 20 years and an active and growing society has evolved since then.

Since many years, the STS invites additional study groups and consortia to present their concepts and ideas at the meetings. In 2013, the German Society for Pharmacology (DGP) joined the STS, being in charge of the Workshop on G proteins and GPCRs. This year, we welcome the German Society for Hygiene and Microbiology (DGHM) as a new associated Society, supporting the Workshop ‘Signaling in Infection and Inflammation’.

One successful concept in organizing a highly attractive meeting each year is to offer focused symposia presenting state-of-the-art science on changing topics. The special focus of this year’s meeting ‘Tumor Biology’ was jointly organized by the DGZ study group ‘Signal Transduction’ (Ralf Hass, Hannover), the German Consortium for Translational Cancer Research (DKTK) Partner site Berlin (Reinhold Schäfer, Berlin), the DGfI study group ‘Signal Transduction’ (Ingo Schmitz, Braunschweig, Friederike Berberich-Siebelt, Würzburg) and the SFB 854 ‘Molecular Organisation of Cellular Communication in the Immune System’ (Burkhardt Schraven, Magdeburg). We also thank the DGfI study groups ‘Biology of B Lymphocytes’ (Jürgen Wienands, Göttingen) and ‘Infection Immunology’ (Ger van Zandbergen, Langen) for their financial and scientific support.

Each workshop starts with an introductory keynote talk given by a renowned expert in the respective field of research. All other oral presentations have been selected from the submitted scientific contributions. Much attention is devoted to the famous STS-poster sessions. All poster authors have the opportunity to present their work to the plenum in the frame of the traditional ‘one-minute-one-transparency’ session.

We are especially honored and pleased to announce the award lecture by Prof. Dr. Mina J. Bissell (University of California, Berkeley, USA) who will receive this year’s STS/CCS Honorary Medal for her lifetime contributions to discover the role of the tumor microenvironment in the development of breast cancer. The laudation will be given by STS member and DKTK representative Reinhold Schäfer from the Charité Berlin.

Our particular thanks go to the industrial sponsors who support the STS Meeting 2015. We especially acknowledge the continuous extra support by Biomol GmbH and Cell Signaling Technology/New England Biolabs. Without the financial input by our industrial partners, it would be impossible to keep the conference fees at a moderate level. We strongly encourage all participants to visit the sponsors’ exhibition and to attend the informative plenary talks by our industrial partners. Please note that the award ceremony and the “Crosstalk Puzzle” raffle will be part of the closing dinner on Wednesday, November 4th. Please be aware that prizes and awards can be received only personally.

The General Assembly of the Signal Transduction Society will be held on Wednesday, November 4th, 2015 starting at 2 pm. All members of the STS are cordially invited to discuss the past, present and future of the Society. Those of you who want to join the STS will be able to do so by registering online at http://www.sigtrans.de.

We wish you a very pleasant stay in Weimar and an exciting, stimulating and successful Signal Transduction Meeting.

Klaudia Giehl, Ottmar Janssen, Ralf Hass
# Time Table

## Monday, November 2

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<th>Time</th>
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<tr>
<td>11.00</td>
<td>Registration, Poster Mounting, Gathering</td>
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<tr>
<td>13.00</td>
<td>Welcome Note</td>
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<tr>
<td>13.15</td>
<td><strong>Workshop A</strong> Tumor Biology I</td>
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<td>15.15</td>
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<tr>
<td>15.45</td>
<td><strong>Workshop B</strong> Differentiation, Stress and Death</td>
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<td>17.45</td>
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<tr>
<td>18.15</td>
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<td>PA1 – PA14 ‘One Minute - One Transparency’</td>
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<tr>
<td>18.45</td>
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<tr>
<td>20.00</td>
<td>Dinner</td>
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## Tuesday, November 3

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<tr>
<td>08.30</td>
<td><strong>Workshop A</strong> Tumor Biology II - DKTK</td>
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<td>18.15</td>
<td><strong>Poster Presentation II</strong></td>
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<tr>
<td></td>
<td>PA15 – PD1 ‘One Minute - One Transparency’</td>
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<tr>
<td>18.45</td>
<td>Poster Discussion, Sponsors’ Exhibition</td>
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<td>Dinner</td>
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<td>Time</td>
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<tr>
<td>08.30</td>
<td><strong>Workshop A</strong>  Tumor Biology III – Tumor Immunology</td>
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19th Joint Meeting

Signal Transduction: Receptors, Mediators and Genes

Leonardo Hotel Weimar
November 2 - 4, 2015

Organizers: Klaudia Giehl, Gießen
Ottmar Janssen, Kiel
Ralf Hass, Hannover

Program Committee: Klaudia Giehl, Gießen
Ottmar Janssen, Kiel
Frank Entschladen, Witten
Ralf Hass, Hannover
Workshop Chairpeople

Grant Committee: Klaudia Giehl, Gießen
STS-Council

Program Booklet: Beate Lengl-Janßen, Kiel
Cornelius Bartke, Berlin

Webmaster: Cornelius Bartke, Berlin

STS - Offices: Ute Erhorn, Hannover
Beate Lengl-Janßen, Kiel
The 19th Joint Meeting ‘Signal Transduction - Receptors, Mediators and Genes' was organized as a Joint Meeting of the Signal Transduction Society (STS) with ‘Signal Transduction’ study groups of the German Societies for Cell Biology (DGZ), Immunology (DGfI), and the Society for Biochemistry and Molecular Biology (GBM). Additional co-organizers of individual workshops were the DGfI study groups 'Biology of B Lymphocytes' and 'Infection Immunology', the German Societies for Pharmacology (DGP) and for Hygiene and Microbiology (DGHM), the German Consortium for Translational Cancer Research (DKTK) Partner site Berlin, and the SFB 854 'Molecular Organisation of Cellular Communication in the Immune System'.

As organizers, we are very grateful to all companies supporting the STS Meeting 2015. We strongly encourage all participants to meet the representatives at their booths. Without their constant support and their scientific contributions, the Signal Transduction Meeting series would not have been possible. For contact information, see page 143.

Sponsors of the STS Meeting 2015 are:

Adipogen AG
Berthold Technologies GmbH&Co KG
Biomol GmbH
bio-tecne / R&D Systems GmbH
BioVendor GmbH
Biozol Diagnostica Vertrieb GmbH
Cell Signaling Technology / New England Biolabs GmbH
Cisbio Bioassays
dianova GmbH
dichrom GmbH
Eurogentec S.A.
HiSS Diagnostics GmbH
Hybrigenics Services SAS

LI-COR Biosciences GmbH
Merck Millipore / Merck Chemicals GmbH
Miltényi Biotec GmbH
PerkinElmer LAS
7Biosciences
Sarstedt AG&Co
OLS OMNI Life Science GmbH & Co. KG
Seahorse Bioscience
SERVA Electrophoresis GmbH
teba-bio GmbH
VWR International GmbH
Wako Chemicals GmbH
Xellutec GmbH
General Assembly of the Signal Transduction Society (STS)

Date:       Wednesday, November 4, 2015, 14.00 – 15.30
Location:   Leonardo Hotel, Weimar
President:  Klaudia Giehl
Protocol:   Frank Entschladen

Agenda:

1. Adoption of the Agenda / Genehmigung der Tagesordnung
3. President’s Report / Bericht des Präsidenten
4. Treasurer’s Report / Bericht zu den Finanzen
5. Exoneration of the Council / Entlastung des Vorstands
7. STS Meetings 2016 / 2017
8. STS Website
9. Matters arising / Verschiedenes
10. Distribution of STS Stipends / Vergabe der STS-Stipendien

The STS Council
Klaudia Giehl (Gießen), Ottmar Janssen (Kiel), Ralf Hass (Hannover)

The STS Advisory Board
Friederike Berberich-Siebelt (Würzburg), Frank Entschladen (Witten)
Karlheinz Friedrich (Jena), Katharina Hieke-Kubatzky (Heidelberg), Arnd Kieser (München), Marcus Lettau (Kiel), Detlef Neumann (Hannover), Ingo Schmitz (Braunschweig/Magdeburg), Silja Weßler (Salzburg)
Workshop Program

Workshop A
Tumor Biology

Monday, 02.11.2015
Chair: Manfred Jücker, Hamburg
13.15 – 15.15
Andre Menke, Gießen

13.15
A1  Keynote:
Circulating tumor cells: Biology and clinical relevance
Pantel K.
Hamburg

13.45
A2  Keynote:
Tumor microenvironment and therapy resistance: OXPHOS as a central
player
Chiarugi P.
Florenz/I

14.15
A3  Activation loop phosphorylation regulates B-Raf in vivo and
transformation by BRAF mutants
Köhler M., Röring M., Schorch B., Heilmann K., Stickel N., Fiala G.J.,
Schmitt L.C., Braun S., Ehrenfeld S., Uhl F.U., Kaltenbacher T., Brummer T.
Freiburg

14.30
A4  The hematopoietic inositol 5-phosphatase SHIP1 is frequently expressed
in human carcinoma and increases migration of colorectal cancer cells
Schaks M., Allgöwer K., Windhorst S., Simon R., Heumann A., Schumacher U.,
Sauter G., Jücker M.
Hamburg

14.45
A5  Whole genome analysis of A818-6 in vitro model and it is role in
pancreatic cancer cell differentiation
Kiel

15.00
A6  Presentation by HiSS Diagnostics GmbH:
Custom Panels for Next Generation Sequencing - target sequencing
optimized and validated to suit the end users’ needs
Hrdlickova R., Toloue M., Schäfer C.M.
Freiburg

15.15  Coffee Break / Sponsors’ Exhibition
Workshop Program

Workshop B
Differentiation, Stress and Death

Monday, 02.11.2015
Chair: Ottmar Janssen, Kiel
15.45 – 17.45
Ingo Schmitz, Braunschweig

15.45
B1 Keynote:
Intracellular decision points of cell death: apoptosis and necroptosis
Leverkus M.
Aachen

16.15
B2
Vδ2 γδ T cells can differentiate into a T-Helper 9 like phenotype
Peters C., Oberg H.H., Häslar R., Wesch D., Kabelitz D.
Kiel

16.30
B3
The beta-Catenin, KRAS, BRAF and PIK3CA oncogenes have distinct effects on stemness, proliferation and apoptosis in the intestinal epithelium
Morkel M., Riemer P., Sers C.
Berlin

16.45
B4
The involvement of members of the human family of Nek kinases in the regulation of the cell cycle, the DNA damage response and beyond
Kobarg J.
Campinas/Brazil

17.00
B5
Caspase-8-mediated PAR-4 cleavage is required for DNA-damage-induced apoptosis in triple negative breast cancer cells
Treude F., Gladbach T., Lüscher B., Hartkamp J.
Aachen

17.15
B6
Targeting multiple signaling pathways: Depletion of three combined THOC5, mRNA export protein, target genes synergistically induces human hepatocellular carcinoma cell death
Hannover

17.30
B7
Presentation by Seahorse Bioscience:
Measuring cellular energy metabolism and mitochondrial function using a Seahorse Extracellular Flux Analyzer
Kammerloher W.
Augsburg
17.45 Coffee Break / Sponsors' Exhibition

18.15 Poster Presentation I
"one minute – one transparency"
Posters PA1 – PA14
Chair: Arnd Kieser, München

18.45 Poster Viewing / Sponsors' Exhibition

20.00 Dinner
Workshop Program

Workshop A
Tumor Biology II - DKTK

Tuesday, 03.11.2015
08.30 – 10.30
Chair: Reinhold Schäfer, Berlin
Christine Sers, Berlin

08.30
A7  Keynote:
Feedback regulation in EGF-receptor signal transduction - consequences for cancer therapy
Blüthgen N.
Berlin

09.00
A8  Keynote:
Targeting KRAS for cancer treatment: know your enemy
Der C.J.
Chapel Hill/USA

09.30
A9  Malignancy of bladder cancer cells is enhanced by tumor associated fibroblasts through a cytokine-chemokine loop
Friedrich KH., Grimm S., Jennek S., Mohta V., Berndt A., Junker K.
Jena

09.45
A10 Bidirectional HGF/c-Met signaling in the bladder cancer microenvironment
Jennek S., Junker K., Friedrich KH.
Jena

10.00
A11 The Membrane-Type 4 Matrix Metalloproteinase (MT4-MMP) is highly expressed in human melanoma cells: Characterization of different forms and identification of its N-glycosylation site
Hieronimus B., Pfohl J., Busch C., Graeve L.
Stuttgart

10.15
A12 Presentation by BLIRT S.A.:
DNA Gdansk, a European molecular biology service and reagent supplier
Gajda K.
Gdańsk/PL

10.30 Coffee Break / Sponsors' Exhibition
Workshop Program

Workshop C

Immune Cell Signaling

Tuesday, 03.11.2015
11.00 – 13.00

Chair: Arnd Kieser, München
Luca Simeoni, Magdeburg

11.00  
C1  
Keynote:  
Deregulated signaling pathways in B cell lymphomas and leukemias  
Küppers R.  
Essen

11.30  
C2  
WNT5A promotes dissemination-associated processes of Hodgkin Lymphoma  
Göttingen

11.45  
C3  
Targeting protein kinase C in mantle cell lymphoma  
Rauert-Wunderlich H., Rudelius M., Ott G., Rosenwald A.  
Würzburg

12.00  
C4  
mb1-Cre-controlled ablation of Shp2 (PTPN11) causes metachondromatosis  
Göttingen

12.15  
C5  
Autophagy competence in CD4+ T cells controls autoimmunity and anti-tumor responses  
Braunschweig

12.30  
C6  
Follicular regulatory T cells control humoral autoimmunity when NFAT2 overcomes Blimp1-mediated CXCR5 suppression  
Vaeth M., Koenig A., Müller G., Stauuss D., Dietz L., Klein-Hessling S., Serfling E., Lipp M., Berberich I., Berberich-Siebelt F.  
Würzburg

12.45  
C7  
Presentation by Cell Signaling Technology / New England Biolabs GmbH: Analysis of immune checkpoint control proteins using novel rabbit monoclonal antibodies and Multiplex IHC  
Silver M.R., Schneider L.  
Leiden/NL
13.00  Lunch Break / Sponsors' Exhibition

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**Workshop D**

**Growth factors, Cytokines and their Receptors**

**Tuesday, 03.11.2015**

**Chair:** Karlheinz Friedrich, Jena
Klaudia Giehl, Gießen

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**14.00**

**D1**

**Keynote:**
The two lives of Interleukin-33: in- and outside of cells
Martin M.U.
Gießen

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**14.30**

**D2**

Protein kinase C regulates the stability of the receptor tyrosine kinase ErbB3
Dietrich M., Bertelsen V., Stang E.
Oslo/N

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**14.45**

**D3**

Phosphorylation and multimerization controls the function of CNK1 in normal and oncogenic signaling
Fischer A., Brummer T., Warscheid B., Radziwill G.
Teningen

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**15.00**

**D4**

TGFβ1-induced migration of lung adenocarcinoma cells
Lohfink D., Schneider T., Giehl K., Menke A.
Gießen

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**15.15**

**D5**

Influence of suppression-associated cytokines on cytotoxic potential of human γδ T lymphocytes
Meyer A., Peters C., Kabelitz D., Wesch D.
Kiel

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**15.30**

**D6**

Knockdown of THOC5 reduces adhesion of cancer cells to precision-cut liver slices (PCLS) in an ex vivo assay
Hannover
15.45

**D7**

**Presentation by Xellutec:**

_Xell-Discs are offering new ways for cell culture_

Feil G., Hartmann I., Schröder F.

Neuried

16.00

Coffee Break / Sponsors' Exhibition / Poster Viewing

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**STS/CCS Honorary Medal Award Ceremony**

**Tuesday, 03.11.2015**

16.30 – 17.45

**Chair:** Stephan M. Feller, Halle

**Klaudia Giehl, Gießen**

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16.30

**Laudatio:**

Reinhold Schäfer

Berlin

16.45

**Honory Award Lecture:**

*How does a linear sequence of DNA become a 3-dimensional tissue, and what happens when it forgets and becomes malignant?*

Mina J. Bissell

Berkeley, CA/USA

17.45

Coffee Break / Sponsors' Exhibition / Poster Viewing

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18.15

**Poster Presentation II**

*"one minute – one transparency"*

Posters PA15 – PD1

Chair: Katharina Hieke-Kubatzky, Heidelberg

18.45

Poster Viewing / Sponsors' Exhibition

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20.00

Dinner
Workshop Program

Workshop A
Tumor Biology III – Tumor Immunology

Wednesday, 04.11.2015
08.30 – 10.30
Chair: Friederike Berberich-Siebelt, Würzburg
Burkhart Schraven, Magdeburg

08.30
A13  Keynote:
Combined, interferon and tumor necrosis factor efficiently control cancer
by inducing cancer cell senescence
Röcken M.
Tübingen

09.00
A14  Keynote:
Combining oncogenic signaling with T-cell directed immunotherapies in
experimental mouse models of melanoma
Bonn

09.30
A15  Generating an anti-tumor immune response by interfering with signaling
pathways of immune suppressive tumor associated macrophages using
RNAi and nano-sized carriers in a humanized mouse model
Schupp J., Foerster F., Bamberger D., Wich P.R., Schuppan D., Tuettenberg A.
Mainz

09.45
A16  Reversible oxidation of protein-tyrosine phosphatases as transforming
event in FLT3ITD-positive Acute Myeloid Leukemia
Böhmer F.D.
Jena

10.00
A17  Ectodomain shedding on extracellular vesicles modulates the efficacy of
the CD30 antibody drug conjugate SGN-35 in Hodgkin lymphoma
Hansen H.P., Zigrino P., Moss M., Tator M., Bergwelt-Baildon M., Paes
Leme A.F., Pogge von Strandmann E.
Köln

10.15
A18  Presentation by OLS OMNI Life Science GmbH & Co. KG:
Capture serial killers in real time - the xCELLigence impedance-based
assays for real-time and label-free assessment of cell-mediated
cytotoxicity
Schwengberg S., Zhao L., Ketterlinus R., Abassi Y.A.
Düren

10.30h  Coffee Break / Sponsors' Exhibition
**Workshop Program**

**Workshop E**

**Signaling in Infection and Inflammation**

**Wednesday, 04.11.2015**  
Chair: Katharina Hieke-Kubatzky, Heidelberg  
Robert Lang, Erlangen  

11.00  
**E1** Keynote:  
Scavenger Receptor MSR1-JNK pathway controls phenotypic switch of alternatively activated macrophages  
Dundee/UK  

11.30  
**E2** The role of c-FLIP in anti-viral immunity  
Tafrishi N., Schmitz I.  
Braunschweig  

11.45  
**E3** The Epstein-Barr virus oncogene LMP1 activates MAPKinases through IkappaB kinase 2 (IKK2) and the oncogenic serine/threonine kinase Tpl2  
Sterz K.R., Voigt S., Kieser A.  
München  

12.00  
**E4** Conserved death-receptor signaling inhibition identified by a chimeric mouse CMV expressing a homologous human CMV gene  
Chaudhry Z., Kasmapour B., Bajagic M., Casalegno R., Borkner L., Lenac T., Scrima A., Jonjic S., Cicin-Sain L.  
Braunschweig  

12.15  
**E5** Selective expression of the MAPK phosphatase Dusp9/MKP-4 in mouse plasmacytoid dendritic cells and regulation of IFNbeta production  
Niedzielska M., Raffi F.A.M., Muench S., Sparwasser T., Keyse S.M., Lang R.  
Erlangen  

12.30  
**E6** Role of IKK2-mediated NF-kappa B activation in CD4-positive lymphocytes in ischemia reperfusion injury model  
Hamburg  

12.45  
**E7** Presentation by dichrom GmbH:  
Functional proteomics to study the effect of KRAS and BRAF mutations  
Hilhorst R., van den Oord R., Pruijt H., van den Brule A., Nooijen P., de Wijn R., Mommersteeg M., Ruijtenbeek R.  
‘s-Hertogenbosch/NL
13:00  Lunch / Sponsors' Exhibition

14:00  STS General Assembly / Sponsors' Exhibition for non-members

15.30  Coffee Break / Sponsors' Exhibition

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**Workshop Program**

**Workshop F**

**G proteins and GPCRs**

**Wednesday, 04.11.2015**

**Chair:** Detlef Neumann, Hannover

Hendrik Ungefroren, Lübeck

**16.00 – 17.45**

**16.00**

**F1** Keynote: A revolution in GPCR structural biology: who, what, when, and why
Deupi X.
Villigen/CH

**16.30**

**F2** Rac1b negatively controls TGF-beta1-induced epithelial-mesenchymal transition and cell motility in pancreatic carcinoma cells by inhibiting both Smad and non-Smad signaling
Witte D., Gieseler F., Lehnert H., Ungefroren H.
Lübeck

**16.45**

**F3** Pasteurella multocida Toxin manipulates T cell differentiation
Hildebrand D., Heeg K., Kubatzky K.F.
Heidelberg

**17.00**

**F4** CaSR over-expression leads to a bone metastasizing behavior of renal carcinoma cells
Haber T., Jöckel E., Roos F.C., Prawitt D., Junker K., Hampel C., Thüroff J.W., Brenner W.
Mainz

**17.15**

**F5** [D-Ala2, D-Leu5] Enkephalin promotes epithelial-mesenchymal transition (EMT) in mammary cancer cell lines
Tripolt S., Eisinger-Fux D.A.
Wien/A
17.30  F6  Cancer microenvironment defines the mechanism of opioid-induced tumor angiogenesis
       Tripolt S., Gradisch R., Eisinger-Fux D.A.
       Wien/A

17.45  Coffee Break / Sponsors' Exhibition

18.15  Poster Presentation III
       "one minute – one transparency"
       Posters PE1 – PJ1
       Chair: Friederike Berberich-Siebelt, Würzburg

18.45  Poster Viewing / Sponsors' Exhibition

20.00  Dinner and Awards
Poster Presentation I

PA1 – PA14

Monday, 02.11.2015 18.15 – 18.45

Chair:
Arnd Kieser, München

PA1  The RNA binding protein HuR attenuates macrophage infiltration into tumor spheroids by downregulating CCL5
Brauß T., Kunze M., Lampe S., Weigert A., Schmid T., Brüne B.
Frankfurt

PA2  Protein-tyrosine phosphatase expression and therapy response in CML cells
Drube J., Ernst T., Hochhaus A., Böhmer F.-D.
Jena

PA3  Discontinuing MEK inhibitors in tumor cells with an acquired resistance increases migration and invasion
Ewald F., Nörz D., Grottke A., Nashan B., Jücker M.
Hamburg

PA4  Galectin-3 plays a role in the interaction of PDAC tumor cells and T cells
Gonnermann D., Oberg H.-H., Kabelitz D., Wesch D.
Kiel

PA5  TRAIL-R4 enhances the malignancy of pancreatic tumor cells
Gundlach J.P., Annewanter F., Legier K., Hauser C., Tawfik D., Egberts J.H.,
Sebens S., Becker T., Kalthoff H., Trauzold A.
Kiel

PA6  Impact of indolamine-2,3-dioxygenase on γδ T cell-mediated lysis of pancreatic ductal adenocarcinoma (PDAC)
Jonescheit H., Gonnermann D., Oberg H.-H., Wesch D.
Kiel

PA7  The role of the PI3-Kinase-Akt pathway in the regulation of migration of lung- and pancreatic carcinoma cells with oncogenic K-Ras
Lammert A., Bier J., Giehl K.
Gießen

PA8  Dynamic in vivo MAP Kinase reporters to study development and disease in zebrafish
Mayr V., Stadler M., Distel M.
Wien/A

PA9  Interaction of umbilical cord derived mesenchymal stroma/stem cells with human breast epithelial cells
Melzer C., Hass R.
Hannover
PA10  Gene expression analysis during tamoxifen-adaptation in the estrogen receptor positive MCF-7 breast cancer cell line
Nass N., Porsch M., Bull F., Roessner A., Grosse I., Kalinski T.
Magdeburg

PA11  Novel tribody [(Her2)2xVγ9] is an attractive candidate to enhance γ/δ T cell-cytotoxicity against pancreatic tumor cells
Oberg H.-H., Peipp M., Kellner C., Gonnermann D., Peters C., Sebens S.,
Kabelitz D., Wesch D.
Kiel

PA12  Reduction of tumor growth by the c-Met inhibitor Foretinib in small cell ovarian carcinoma of the hypercalcemic type
Otte A., Rauprich F., von der Ohe J., Yang Y., Hillemanns P., Hass R.
Hannover

PA13  Characterization of lysosomal cargo proteins in human T-cell leukemias
Poch T., Lettau M., Janssen O.
Kiel

PA14  Colorectal carcinogenesis: Connecting K-RAS-induced transformation and CREB activity in vitro and in vivo
Steven A., Heiduk M., Recktenwald C.V., Hiebl B., Wickenhauser C., Massa C.,
Seliger B.
Halle (Saale)
Poster Presentation II

PA15 – PD1

Tuesday, 03.11.2015 18.15 – 18.45

Chair:
Katharina Hieke-Kubatzky, Heidelberg

PA15  Linking cell cycle to transcription: CDKs in BCR-ABL driven leukemia
Menzl I., Berger A., Zuber J., Eisinger-Fux D., Sexl V.
Wien/A

PA16  Use of the STAT3-Ser/Hes3 signaling axis in the development of novel immunooncology approaches
Lorenzen D.R., Poser S., Stücker W., Schirmacher V., Andrountellis-Theotokis A.
Leipzig

PA17  Optogenetic control of protein kinases in mammalian cells
Freiburg

PA18  Analysis of the oncogenic potential of the Wilms tumor suppressor gene 1 (WT1) in leukemia
Reichardt C., Krämer O.H., Englert C.
Jena

PB1  Screening for modulators of c-FLIP activity
Schwarz L., Wink J., Bilitewski U., Schmitz I.
Braunschweig

PC1  Biochemical and proteomic evidence for distinct species of lysosome-related cytotoxic effector vesicles in activated human T cells
Janssen O., Drews L., Poch T., Lettau M.
Kiel

PC2  Molecular and functional properties of a second generation Lck-biosensor
Kästle M., Philipsen L., Reddycherla V., Gumz J., Gintschel P., Hartig R.,
Müller A., Simeoni L., Schraven B.
Magdeburg

PC3  Redox-mediated regulation of Lck and ZAP-70 protein tyrosine kinases
Kritikos A., Thurm C., Fiessa J., Hohmann F., Poltorak M., Schraven B.,
Simeoni L.
Magdeburg

PC4  The role of Nck-based protein complexes in the adhesion and migration of T cells
Lettau M., Kabelitz D., Janssen O.
Kiel
PC5  Mass spectrometric analysis of NFAT interactions
Gabriel C.H., Gross F., Karl M., Bachmann I., Gryzik S., Hecklau K.,
Stephanowitz H., Krause E., Baumgrass R.
Berlin

PC6  NAE targeting with MLN4924 converts TNF and LPS maturing effect on
immature dendritic cells to apoptosis and necroptosis
El-Mesery M., Seher A., Stühmer T., Siegmund D., Wajant H.
Würzburg

PC7  Regulation of dendritic cell activation by apoptotic cell-derived Annexin A1
Bujupi F., Jahndel V., Mahr A., Linke B., Kurz A., Krammer P.H., Weyd H.
Heidelberg

PD1  Regulation of 3´end-processing of serum-inducible immediate early genes
by THOC5
Tran DDH., Saran S., Williamson A., Pierce A., Wiehlmann L., Koch A.,
Whetton A., Tamura T.
Hannover
PE1 Responses of bovine lung epithelial cells to Mycoplasma mycoides strains, which have different target hosts
Hänske J., Golcher J., Homuth G., Jores J., Heller M., Kammerer R.
Greifswald-Insel Riems

PE2 Oleic acid-mediated lipid body formation and ADRP expression in primary murine macrophages is augmented by heat-inactivated Mycobacterium tuberculosis
Baumann H., Reiling N., Brandenburg J.
Borstel

PE3 Toll-like receptor activation in cell-based assays
Herold K., Reuter S., Mrowka R.
Jena

PE4 Dynamics of the IRF-3 / IFN-β response hidden in cell-to-cell heterogeneity
Braunschweig

PE5 Novel insights into the M. tuberculosis phagosome
Hiller M., Steinhäuser C., Linke D., Brandenburg J., Tchikov V., Tholey A.,
Schütze S., Reiling N.
Borstel

PE6 Establishment of an in vitro co-culture system to study signaling pathways in drug-induced liver injury
Wewering F., Jouy F., Wissenbach D., Gebauer S., Blüher M., von Bergen M.,
Luch A., Kalkhof S., Zellmer S.
Berlin

PE7 Modulation of kinase signaling in macrophages by Mincle activation
Wolff M., Lang R.
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PE8 Distinct roles of histamine H4-receptor in acute, chemically induced murine colitis
Schirmer B., Wunschel E., Rezniczek T., Seifert R., Neumann D.
Hannover

PF1 Identification of agonists on GPR171
Schulze A., Schulz A., Schöneberg T., Brüser A.
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PF2  Functional consequences of chemically-induced β-arrestin-1/2 binding to chemokine receptors CXCR4 and CCR5 in the absence of ligand stimulation  
Liebick M., Voigt V., Henze S., Oppermann M.  
Göttingen

PF3  Choosing the right side: Specifying the interaction between K-Ras and Galectin-8  
Meinohl C., Giehl K.  
Gießen

PF4  Opioids trigger VEGF expression in breast cancer cells via HIF-1alpha activation  
Schoos A., Holstein F., Eisinger-Fux D.A.  
Wien/A

PI1  Using designer receptors to decipher G protein signaling pathways in C. elegans  
Fiedler F., Schöneberg T., Prömel S., Thor D.  
Leipzig

PI2  Improvement of the BALB/c 3T3 cell transformation assay: a tool for investigating cancer mechanisms  
Poburski D., Thierbach R.  
Jena

PI3  In situ single cell pull-down for probing stability and stoichiometry of cytosolic protein complexes  
Wedeking T., Löchte S., Richter C.P., Bhagawati M., You C., Piehler J.  
Osnabrück

PJ1  New aspects on the structure of small kinetochore-associated protein/kinastin  
Cindric Vranesic A., Hoischen C., Diekmann S., Huber O.  
Jena
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