




On the initiative of the Göttingen Network Imaging

We invite you to participate in the 3rd. Göttingen Conference on Molecular & Optical Imaging. This conference will showcase the latest advances in the bright field of both molecular and optical imaging and bridge the gap between basic science and clinical applications. Join us for the conference and exhibition as we explore the present status of this innovative field.

Johannes Wessels & Frauke Alves

3. Göttingen Conference on

**MOLECULAR
& OPTICAL
IMAGING**



BAD SOODEN-ALLENDORF

KONGRESSZENTRUM

23.-24.05.2008



Travel Information for visitors from Goettingen

A free bus transfer is organized for both days from Goettingen to Bad Sooden-Allendorf and back.

The bus will leave at the main entrance (West) University-Medicine, Goettingen on FRIDAY morning 07:00 am and will bring you back after the social event about 11:30 pm.

Saturday morning the bus will leave at 08:00 am and will back at about 04:00 pm.

Also a VIP- shuttle service is organized between the Congress Center in Bad Sooden-Allendorf and the Goettingen Railway station and University Medicine to guarantee that speakers and chairs will be able to join us. This free service is on demand only.

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Scientific Sessions will focus on :

news, tools & innovations
in vivo imaging
multiparametric imaging
multimodal imaging
cellular & subcellular imaging
protein imaging
new markers & tracers

Keynote- Speakers



Robert M. Hoffman



Joerg B. Schulz



Christian Griesinger



Robert Zucker



Bengt Langström



Vasilis Ntziachristos



Meeting Organizers: J. Wessels, Göttingen & F. Alves, Göttingen
Congress Management: Congressmanagement Göttingen GbR
Registration on <http://www.imaging-goettingen.de/Web-Site/Kongress.html>

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Scientific Schedule:

Friday:

08:30 - 10:00 - NEWS, TOOLS & INNOVATIONS

10:00 - 11:00 - BREAK

11:00 - 13:00 - SUBCELLULAR IMAGING

13:00 - 14:00 - LUNCH

14:00 - 15:30 - CELLULAR IMAGING

15:30 - 16:30 BREAK

16:30 - 18:20 - ORGAN-SPECIFIC IMAGING

SOCIAL EVENT

Saturday:

09:00 - 10:00 - MULTIPARAMETRIC IMAGING

10:00 - 11:00 - BREAK

11:00 - 12:30 - MULTIMODAL IMAGING

12:30 - 13:30 - LUNCH

13:30 - 15:30 - PRECLINICAL & CLINICAL IMAGING

DEPARTURE

Speakers:



**F. Alves * P. Dechent * V. Djonov * R. Ecker * P. Friedl * H. Grubmüller * C. Griesinger
RM. Hoffman * F. Kiessling * D. Klopfenstein * K. Licha * B. Langström * S. Luther
J. Missbach-Güntner * M. Müller * V. Ntziachristos * S. Orthaus * L. Pardo * H. Piggins
A. Rosato * U. Resch-Genger * CO. Sahlmann * K. Schaefer * J. Schittney * W. Schubert
JB. Schulz * LF. Tietze * Y. Volkov * J. Wessels * F. Wouters * R. Zucker**

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Bad Sooden Allendorf: Venue, Travel and Hotel Information



Venue

You probably have never heard of historic BAD SOODEN ALLENDORF where more than 1000 years ago the Gothes battled for the saltwells. In this area you can follow the original trails of the Hessian Soldiers who battled for freedom and independence in your country 200 years ago. This 800 years old town, surrounded by tall stone wall with town gates, old fashioned half-wood houses, splendid patrician mansions, clean streets and parks has yet more to offer.

Travel

You will find us easily! BAD SOODEN ALLENDORF is sign-posted on the Highway Frankfurt-Hannover. Leaving it at Hedemünden on Highway B27 (part of the famous "Fairy-Tale-Route") you will get right into the heart of a lovely scenery. By train choose Bad Sooden-Allendorf as your final destination or take the congress shuttle service (by request) from the Göttingen railway-station. You can either choose Hannover-Airport (HAJ, ~ 2h) or Frankfurt-Airport (FFM, 1h30min)

The Kurpark Hotel

The Kurpark-Hotel**** is the newest luxury hotel and the congress hotel. It is located directly next to the Congress Center in the historic heart of Bad Sooden-Allendorf. Special discount rates are available (reservation code MOLCI). +49-5652-5876-4000 or visit the website <http://www.kurpark-hotel-bsa.de>

Hotels

Please refer to the webpage "<http://www.bad-sooden-allendorf.de> to book your hotel online or contact the local tourist information
Tel.: +49-(0) 56 52 - 95 87-0
Fax.: +49-(0) 56 52 - 95 87-109
Email: touristinfo@bad-sooden-allendorf.de

More information / Registration ?

Please refer to the webpage
"<http://www.imaging-goettingen.de/Web-Site/Kongress.html>



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Scientific Program Friday, May 23th. 2008



08:15 - 08:30 - Opening, Welcome speech

08:30 - 10:00 - NEWS, TOOLS & INNOVATIONS

- * **Imaging from bench to bedside in neurodegenerative diseases, J.B. Schulz (KEYNOTE)**
- * **Molecular Probes in the Development of Cancer Therapies, L.F. Tietze**
- * **New Infrared Dyes for Molecular Imaging: An Antibody In Vitro Characterization Study, U. Resch-Genger**
- * **Advanced multicolor tissue cytometry on the single cell level: TissueFAXS, R. Ecker**

11:00 - 13:00 - SUBCELLULAR IMAGING

- * **NMR spectroscopy: a tool with subnanometer resolution - applied to neuro degeneration. C. Griesinger (KEYNOTE)**
- * **Live cell imaging the DNA damage response cascade at DNA breaks, S. Orthaus**
- * **FRET optimizing frequency-domain fluorescence lifetime sensing for high-throughput applications, F. Wouters**
- * **Molecular anatomy of a trafficking organelle, H. Grubmüller**
- * **Dynamic optical imaging of intracellular redox changes, M. Müller**

13:00 - 14:00 - LUNCH

14:00 - 15:30 - CELLULAR IMAGING

- * **Cancer Cells, R.M. Hoffman (KEYNOTE)**
- * **Dynamic imaging of cancer invasion into tissue, P. Friedl**
- * **Fluorescent dyes and their bioconjugates as a platform for targeted imaging and smart sensing, K. Licha**
- * **Spinning disc confocal time-lapse microscopy - Motors, Membranes and Movement in the nervous system of *C. elegans*, D.Klopfenstein**

16:30 - 18:20 - ORGAN-SPECIFIC IMAGING

- * **Counting of total glomeruli numbers in murine kidneys by confocal micr., R.Zucker (KEYNOTE)**
- * **Blood vessel visualization and quantification of angiogenesis, V. Djonov**
- * **Termination of cardiac arrhythmia using low -energy far-field stimulation, S. Luther**
- * **Tracking T cells in vivo in adoptive immunotherapy of tumors, A. Rosato**
- * **High resolution 3D imaging of the developing lung by X-ray Tomographic microscopy, J. Schittney**

19:30 SOCIAL EVENT



Scientific Program Saturday, May 24th. 2008



09:00 - 10:00 - MULTIPARAMETRIC IMAGING

- * Decoding molecular networks in intact tissues with subcellular resolution: strategies & data, W. Schubert
- * Visualization of potential daily clock oscillators in the brain ex vivo by IV200, Hugh Piggins
- * Merging the High Content Cell Analysis (HCA) and Nanotech - what can we benefit from it? , Y. Volkov

10:00 - 11:00 - BREAK

11:00 - 12:30 - MULTIMODAL IMAGING

- * Molecular Imaging in clinical research and drug development for early PoC in man, B. Langström (KEYNOTE)
- * Molecular oncological imaging with ultrasound and MRI, F. Kiessling
- * Endothelial progenitor cells in vascular repair: applications for molecular imaging modalities, K. Schäfer
- * Non-invasive monitoring of tumor progression over time using a combination of innovative imaging modalities - a new approach for evaluation of anticancer therapies, J. Missbach-Günther

12:30 - 13:30 - LUNCH

13:30 - 15:30 - PRECLINICAL & CLINICAL IMAGING

- * Photonic Imaging for Biomedicine: Looking deeper than microscopy, V. Ntziachristos (KEYNOTE)
- * Time domain optical imaging of cancer, E. McCormick
- * Ion channels as imaging targets in oncology: Implications for the design of novel therapies, L. Pardo
- * Quantitative MRI of the human brain: a promising tool for clinical research, P. Dechent
- * Application of PET in diagnostic and evaluation of tumor therapy response, C.O. Sahlmann

DEPARTURE

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