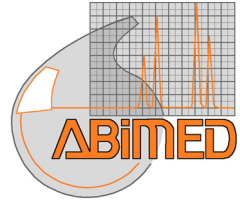


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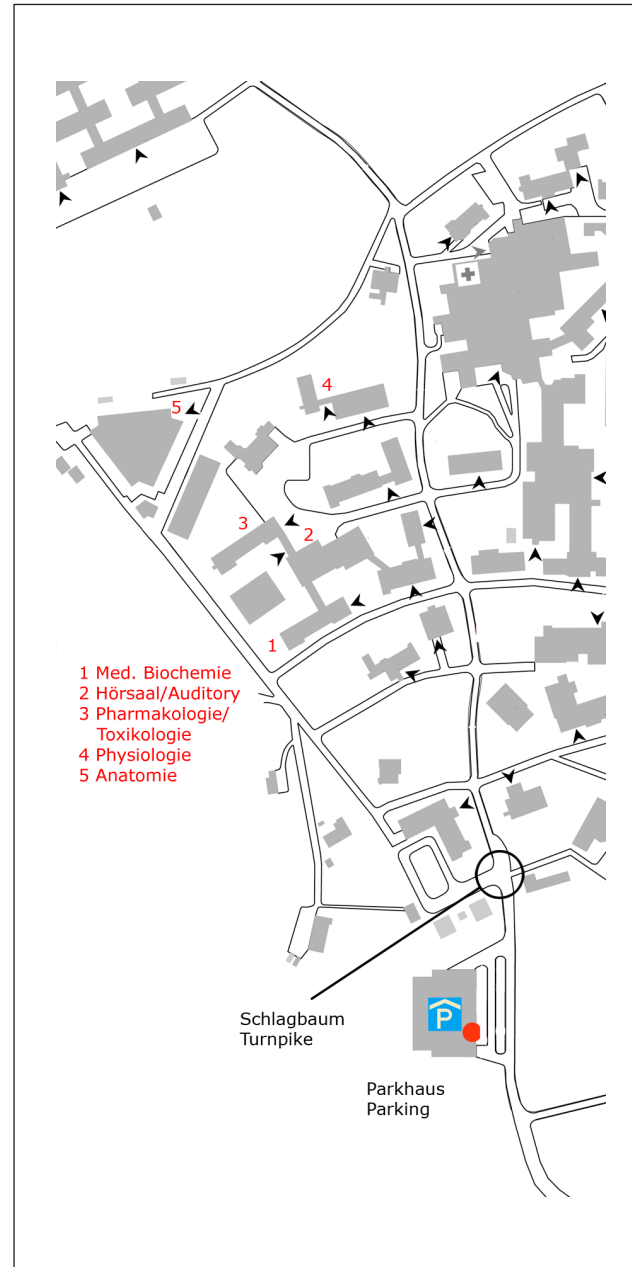
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institute: <http://tinyurl.com/3dfypj>

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How to reach Homburg: <http://tinyurl.com/ytd83m>



- 1 Med. Biochemie
- 2 Hörsaal/Auditory
- 3 Pharmakologie/
Toxikologie
- 4 Physiologie
- 5 Anatomie

4th SFB 530 Colloquium

SPATIO – TEMPORAL INTERACTIONS OF CELLULAR SIGNALING MOLECULES

May 18 – 19, 2007 – Homburg
Hörsaal Geb. 45



4th SFB 530 Colloquium

SPATIO – TEMPORAL INTERACTIONS OF CELLULAR SIGNALING MOLECULES

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Program

Friday, May 18, 2007

- 09.00 Introduction:
Veit Flockerzi (Homburg)
- **Session I**
Chair: Veit Flockerzi (Homburg)
- 09.05 Daniel L. Minor, Jr. (San Francisco)
High resolution studies of ion channel function
- 09.45 Stefan Offermanns (Heidelberg)
Mechanisms of vascular tone regulation
through G-protein coupled receptors
- 10.20 Baruch Minke (Jerusalem)
The roles of Gq and TRP channels in light adaptation
- 10.55 Coffee

- **Session II**
Chair: Jochen Deitmer (Kaiserslautern)
- 11.25 Thomas Gudermann (Marburg)
Role of TRPC channels in vascular smooth muscle cells
- 12.00 Yasuo Mori (Kyoto)
TRP channels activated by nitrosylation
and oxidative cysteine modifications
- 12.35 René Bindels (Nijmegen)
New regulatory proteins of the epithelial magnesium channel
TRPM6
- 13.10 Lunch
- **Session III**
Chair: Adolfo Cavalié (Homburg)
- 14.30 Michael D. Cahalan (Irvine)
Stim and Orai: Molecular basis of the CRAC channel
- 15.10 Lutz Birnbaumer (NIEHS)
Roles of TRPCs and Orai in store- and receptor-operated
Ca entries
- 15.45 James W. Putney, Jr. (NIEHS)
Movements and actions of Stim1 in regulation of Orai
and TRPC channels
- 16.20 Coffee
- **Session IV**
Chair: Markus Hoth (Homburg)
- 16.50 Reinhold Penner (Honolulu)
Polynesian Tikis and Hawaiian petroglyphs:
Terrestrial manifestations of extraterrestrial life
- 17.25 David E. Clapham (Boston)
Recent work on TRP channels
- 18.00 Thomas Voets (Leuven)
Sensing menthol: TRPM8 and beyond
- 18.35 Dinner
- **Evening lecture**
Introduction: Frank Zufall (Homburg)
- 20.30 Benjamin Kaupp (Jülich)
How to detect a single molecule? – Chemotaxis in sperm

Saturday, May 19, 2007

- **Session V**
Chair: Marc Freichel (Homburg)
- 08.30 Craig Montell (Baltimore)
TRP channels and sensory signaling
- 09.10 Robert F. Margolskee (New York)
Tasteful receptors and gut feelings:
what taste may tell us about gastrointestinal chemosensation
- 09.45 Peter Mombaerts (New York)
Odorants and their receptors
- 10.20 Frank Zufall (Homburg)
Peptide detection in the mammalian nose
- 10.55 Coffee

- **Session VI**
Chair: Gerald Thiel (Homburg)
- 11.25 Tom Martin (Madison)
Priming of SNAREs for dense-core vesicle exocytosis
- 12.00 Jakob Sørensen (Göttingen)
Synaptotagmin VII as a calcium-sensor for exocytosis
- 12.35 Ute Becherer (Homburg)
Visualization and quantification of perfusion events
in adrenal chromaffin cells
- 13.10 Lunch
- **Session VII**
Chair: Dieter Bruns (Homburg)
- 14.30 Erik Joergensen (Salt Lake City)
Docking vesicles for rapid release
- 15.05 Nils Brose (Göttingen)
Synaptic vesicle priming and presynaptic short-term plasticity
- 15.40 Eckhart Gundelfinger (Magdeburg)
Assembly of the active zone of neurotransmitter release:
how do bassoon and piccolo get to their places
in the presynaptic orchestra?
- 16.15 Coffee
- **Session VIII**
Chair: Frank Schmitz (Homburg)
- 16.45 Yi Sun (Los Angeles)
Synaptic development of human ES cell-derived neurons
- 17.20 Thomas Südhof (Dallas)
Calcium triggering of neurotransmitter release
- 17.55 Leon Lagnado (Cambridge)
Clathrin-mediated endocytosis is the dominant mechanism
of vesicle retrieval at hippocampal synapses
- 18.35 Dinner
- **Evening lecture**
Introduction: Jens Rettig (Homburg)
- 20.30 Wolfhard Almers (Portland)
Watching t-SNARE molecules in live cells

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