Joint Symposium of the German Pain Society and the DPG Special Interest Group “Sensorische Systeme und Schmerz”

The organization of this meeting is supported by funds from the German Pain Society and the German Pain Foundation

09:00 – 10:45  Session 1:  Novel aspects of spinal mechanisms involved in the persistence of pain plasticity
Chair: Walter Magerl, Mannheim-Heidelberg

09:00 – 09:35  AMPA and NMDA receptor glutamatergic mechanisms in synaptic plasticity
Rolf Sprengel, Heidelberg

09:35 – 10:10  Novel spinal glutamatergic mechanisms linking functional and structural plasticity
Rohini Kuner, Heidelberg

10:10 - 10:45  The role of atypical protein kinases (aPKCs) in the maintenance of chronic pain states
Ted Price, Phoenix (USA)

10:45 – 11:15  Coffee break

11:15 – 12:45  Session 2:  Long-term potentiation of nociceptive processing
Chair: Wolfgang Greffrath, Mannheim-Heidelberg

11:15 – 11:50  Long-term potentiation of spinal nociceptive transmission – double role of opioid drugs
Celine Heinl, Heidelberg

11:50 – 12:25  Long-term potentiation and long-term depression are elementary mechanisms of human pain plasticity
Walter Magerl, Mannheim-Heidelberg

12.25 – 12:45  TRPV1-bearing pathways play a key role in human pain-LTP
Florian Henrich, Mannheim-Heidelberg

12:45 - 14:00  Lunch break
Session 3: Lipids in the control of nociceptive processing
Chair: Rohini Kuner, Heidelberg

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00 – 14:40</td>
<td>Lysophosphatidic acid: chemical signature of neuropathic pain</td>
<td>Hiroshi Ueda, Nagasaki (Japan)</td>
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<td>14:40 – 15:20</td>
<td>CB1 and CB2 cannabinoid receptors in pain control</td>
<td>Andreas Zimmer, Bonn</td>
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<td>15:20 – 16:00</td>
<td>Manipulation of endocannabinoid transport and trafficking as a new analgesic strategy</td>
<td>Jürg Gertsch, Bern (Switzerland)</td>
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<td>16:00 – 16:30</td>
<td>Membership assembly of the DPG Special Interest Group</td>
<td>“Sensorische Systeme und Schmerz”</td>
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Credit for Medical Education (CME) was granted by local medical authorities, and 7 CME credit points for medical education (Fortbildungspunkte) will be awarded to participants of the satellite. Throughout the meeting coffee, tea, water and soft drinks, as well as fruit and sweets are freely available outside of the meeting hall. During the lunch break hot meals and salad will be served.

Faculty:

- Jürg Gertsch: Institute of Biochemistry and Molecular Medicine, University of Bern, Switzerland
- Wolfgang Greffrath: Department of Biomedicine and Medical Technology Mannheim (CBTM), Medical Faculty Mannheim, University of Heidelberg, Germany
- Celine Heinl: Department of Pharmacology, Medical Faculty Heidelberg, University of Heidelberg, Germany
- Florian Henrich: Department of Biomedicine and Medical Technology Mannheim (CBTM), Medical Faculty Mannheim, University of Heidelberg, Germany
- Rohini Kuner: Department of Pharmacology, Medical Faculty Heidelberg, University of Heidelberg, Germany
- Walter Magerl: Department of Biomedicine and Medical Technology Mannheim (CBTM), Medical Faculty Mannheim, University of Heidelberg, Germany
- Theodore Price: Department of Pharmacology, University of Arizona, Phoenix, United States
- Rolf Sprengel: Department of Molecular Neurobiology, Max Planck Institute for Medical Research, Heidelberg, Germany
- Hiroshi Ueda: Division of Molecular Pharmacology and Neuroscience, Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan
- Andreas Zimmer: Institute of Molecular Psychiatry, University of Bonn, Germany
Location on Heidelberg University Campus “Im Neuenheimer Feld” (INF 252)

Coming from motorway A5: take exit Heidelberg onto motorway A656, then follow traffic signs to University Campus Im Neuenheimer Feld (the lecture hall is located in building INF 252, marked A on map), parking facilities available in front of campus

Location of INF 252 on INF university campus

Arriving in Heidelberg by train:
take either tram line RNV 21 or 24 from Heidelberg Central Station (every 10 min), and get out at stop
• Bunsen-Gymnasium (3rd stop) or
• Technologiepark (4th stop)

Map details (INF 252 and bus stops)