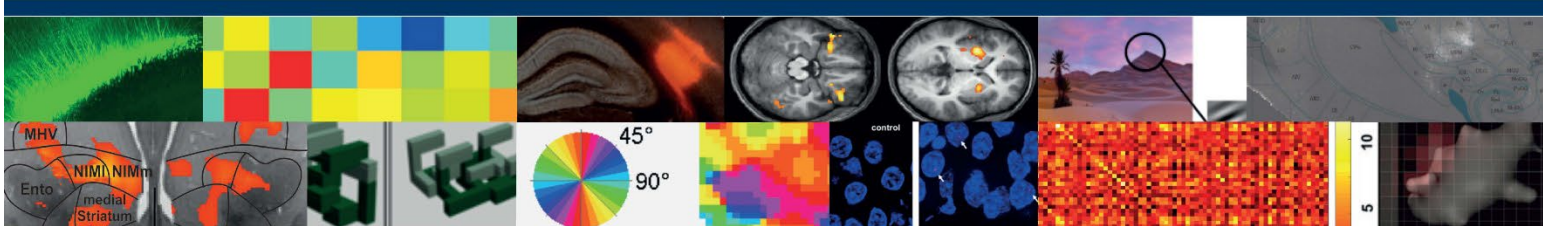


# COLLABORATIVE RESEARCH CENTER SFB 874

Integration and Representation of Sensory Processes



## Concluding CONFERENCE

### Invited External Speakers

- Christian Bellebaum, Düsseldorf
- Matthew Larkum, Berlin
- Heiko Luhmann, Mainz

### Speakers within the SFB 874

- Sen Cheng
- Hubert Dinse
- Onur Güntürkün
- Denise Manahan-Vaughan
- Olivia Masseck
- Jonas Rose
- Oliver Wolf

**30<sup>th</sup> of November 2022**

### Conference Venue:

**Ruhr-Universität Bochum  
Veranstaltungszentrum**

### Host:

**Prof. Dr. Denise Manahan-Vaughan  
Speaker of the SFB 874**



**REGISTRATION AT:**  
[sfb874-konferenz@ruhr-uni-bochum.de](mailto:sfb874-konferenz@ruhr-uni-bochum.de)



[www.sfb874.ruhr-uni-bochum.de](http://www.sfb874.ruhr-uni-bochum.de)

**CONCLUDING CONFERENCE**
**Wednesday, November 30<sup>th</sup>, 2022**
**Programme**

<b>09:00 – 09:15</b>	<b>Welcome &amp; Opening</b> Prof. Dr. Dr. h.c. Martin Paul, Rector of the Ruhr University Bochum Prof. Dr. Denise Manahan-Vaughan, Speaker of the SFB 874
<b>09:15 – 10:00</b>	<b>Denise Manahan-Vaughan</b> Integration and Representation of Sensory Processes
<b>10:00 – 10:40</b>	<b>Session I – Methodological breakthroughs &amp; innovation</b> <ul style="list-style-type: none"> <li>▪ <b>Jonas Rose (B13)</b> Methods that enable our work: From software- to hardware-tools</li> <li>▪ <b>Olivia Masseck (B12)</b> Illuminating the brain: Genetically encoded sensors to explore neuronal circuitries</li> </ul>
<b>10:40 – 11:40</b>	<b>Coffee break and Poster Session</b>
<b>11:40 – 12:20</b>	<b>Session II - Cortical &amp; Affective modulation of sensory perception &amp; integration</b> <ul style="list-style-type: none"> <li>▪ <b>Hubert Dinse (A1, A5)</b> Excitability and cortical plasticity: not a one way street</li> <li>▪ <b>Oliver Wolf (B4)</b> Memories of a stressful episode</li> </ul>
<b>12:20 – 13:45</b>	<b>Lunch</b>
<b>13:45 – 14:15</b>	<b>Christian Bellebaum (Biologische Psychologie, Düsseldorf)</b> Sensory Processing and Cognition: From Agency to Semantic Memory
<b>14:15 – 14:45</b>	<b>Matthew Larkum (Charité – Universitätsmedizin Berlin, Speaker SFB 1315)</b> The semantic memory loop
<b>14.45 – 15:25</b>	<b>Session III - Sensory integration and representation across species</b> <ul style="list-style-type: none"> <li>▪ <b>Sen Cheng (B2)</b> Neural Representations of Past, Present, and Future Locations</li> <li>▪ <b>Onur Güntürkün (B5)</b> Of Birds and Humans: The Neural Fundaments of Visual Categorization in Pigeons</li> </ul>
<b>15:25 – 16:15</b>	<b>Coffee break and Poster Session</b>
<b>16:15 – 17:15</b>	<b>Keynote</b> <b>Heiko Luhmann (Institut für Physiologie, Universitätsmedizin Mainz)</b> How early activity shapes a developing network
<b>17:15 – 17:30</b>	<b>Conference Closing</b>