

Day / Date	Morning session 1 9:00 - 10:20	Morning session 2 10:40 - 12:00	Afternoon session 3 13:20 - 14:40	“Practical courses” 15:00 - 18:00	Evening 19:30 - 20:30
Saturday					Arrival
Sunday 04.09.22	Registration (45 participants + 20 PIs)	Welcome address Basics in lung physiology <i>N. Weißmann</i>	*Let's talk neuro- immunology: how immune cells instruct (sensory) neurons and vice versa <i>N. Eijkelkamp</i>	Epidemiology (2h) Statistics in PNI <i>A. Andreasson</i>	Introduction to PNI <i>R. Dantzer</i>
Monday 05.09.22	*Psychology in Neuroscience <i>M. Schedlowski</i>	*Immune-to-brain communication and obesity <i>C. Rummel</i>	*Introduction: Lung-brain axis <i>B. Karshikoff</i>	Autumn School Mini Congress Presentation of the participant's projects 5 + 5 min. talks; 3 groups of 15	Posters session Evening social (cheese and wine)
Tuesday 06.09.22	*Immune-homeostasis of the lung <i>H. Garn</i>	*How does stress/depression affect lung host defense? <i>E. Peters</i>	Skills lab	Mathematikum “match making” mentors / peers	Visit Giessen sperm whale
Wednesday 07.09.22	*Impact of sterile lung injury on the brain and vice versa <i>D.G. Letvin</i>	*Impact of acute CNS lesion on the lung <i>A. Meisel</i>	*Impact of ischemic brain damage on the peripheral immune system <i>C. Culmsee</i>	Statistics in PNI workshop II <i>A. Andreasson</i>	one by one elevator pitch
Thursday 08.09.22	*Impact of airway inflammation on the brain <i>C. Nassenstein</i>	*Impact of modulatory effect of ω 3 FS on acute lung inflammation and the brain <i>C. Rummel</i> *Lung-Brain axis in allergic inflammation and asthma, <i>H. Renz*</i>	Pro-and anti-inflammatory diets <i>R. Ringseis</i>	New and old lung diseases (tuberculosis, <i>A. del Rey</i> , COVID19 <i>C. Herden</i> , asthma <i>H. Renz</i>) Module style	Career: How to start your own group? <i>C Rummel</i>
Friday 09.09.22	*Magnetic resonance imaging of brain inflammation <i>B. Keil</i>	* Structural, functional and molecular assessment of the lung <i>N. Weißmann</i>	*Bioinformatics: Signaling pathways and risk assessment of lung insults for the brain <i>H.R. Chung</i>	Biopsychosocial conceptualization of the brain-lung axis Round table (<i>E. Peters, J. Strahler</i>) Module style	Meet the PI (career options)
Saturday 10.09.22	*Animal and human studies in PNI <i>A. del Rey, E. Peters</i> <i>Animal ethics people</i>	*From clinical research to basic science in PNI <i>R. Straub</i>	*Perspectives in PNI research <i>M. Lekander</i>	Methods swap; closing address, feedback discussion	Farwell social

Coffee break 10:20 – 10:40

Lunch 12:00 – 13:20

Coffee break 14:40 – 15:00

Dinner 18:00 – 19:30

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Sunday 03.09.23	Registration (45 participants + 20 PIs)	*Introduction: Anatomy of the skin-brain axis lays the ground for close interaction. <i>C. Nassenstein</i>	*Basics in neuro- immunology: each and every immunocyte responds to stress mediators. <i>G. Pongratz</i>	Leads and lessons from epidemiology for the study of neuroendocrine- immune circuits in skin. <i>A. Buske-Kirschbaum</i>	Introduction to PNI <i>F. Dhabhar</i>
Monday 04.09.23	*Neuro-immune interaction controls skin regeneration and homeostasis <i>R. Paus</i>	*Neuro-immune cross- talk along the skin-brain axis controls inflammation <i>L. Basso</i>	*Psychology of intact barriers: what have we learned from Covid-19? <i>M. Schedlowski</i>	Autumn School Mini Congress Presentation of the participant's projects 5 + 5 min. talks; 3 groups of 15	Posters session Evening social (cheese and wine)
Tuesday 05.09.23	*Immune-homeostasis of the skin: mast cells coordinate constant remodelling <i>M. Maurer</i>	*Stressed host defense: What does depression teach us? <i>J. Alferink</i>	Skills lab	Mathematikum “match making” mentors / peers	Visit Giessen sperm whale
Wednesd ay 06.09.23	*Bioinformatics: Signaling pathways relevant in skin and brain <i>V. Botchkarev</i>	*Impact of skin inflammation on brain function <i>B. Mravec</i>	*Impact of brain dysfunction on the peripheral immune system <i>C. Culmsee</i>	Epidemiology (2h) Statistics in PNI <i>A. Andreasson</i>	one by one elevator pitch
Thursday 07.09.23	*Molecular imaging of brain of skin sensation: mapping the invisible <i>C.E. Kleyn</i>	*Oxidative stress in brain, skin and hair <i>A. Karabatsiakakis</i>	*Itch and beyond: a model symptom for biopsychosocial interaction <i>S. Ständer</i>	Impact of skin diseases on brain homeostasis and plasticity and vice versa; (brain, <i>A. del Rey, skin and hair R. Paus, skin disease S. Ständer</i>) Module style	Career: How to start your own group? <i>C. Rummel E. Peters K. Krüger A. del Rey</i>
Friday 08.09.23	*Introduction: Skin-mental health interaction <i>U. Gieler</i>	*How does depression interact with skin barrier homeostasis? <i>E. Peters</i>	*Read-outs for stress attacks on barriers: Lessons from Rheumatology Studies <i>R. Straub</i>	Biopsychosocial conceptualization of the brain-skin axis Round table (<i>E. Peters</i>) Module style	Meet the PI (career options)
Saturday 09.09.23	*Animal and human studies in PNI <i>A. del Rey, E. Peters</i>	*From clinical research to basic science in PNI <i>C. Schubert</i>	*Perspectives in PNI research <i>M. Lekander</i>	Methods swap; Closing address, feedback discussion	Farwell social

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