Dr. HANS JÜRGEN SOLINSKI

1) General information

Date of birth: 29 April, 1983
Gender: Male
Address: Heidelberg University
Mannheim Center for Translational Neuroscience
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Position: Postdoctoral Researcher Fellow
Children: Three (*2016, *2018, *2022)
Parental leave, if applicable: 2022

2) University training and degree

2003 - 2008 Studies in Human Biology, Philipps-University Marburg, Germany
2008 - 2013 PhD student, Institute of Pharmacology and Toxicology, Ludwig-Maximilians-University Munich

3) Advanced academic qualifications

2013 Doctoral degree (Dr. rer. nat.) in Neuropharmacology, Mentor: , Walther-Straub-Institute for Pharmacology and Toxicology, Ludwig-Maximilians-University Munich

4) Postgraduate professional career

Since 2021 Habilitation candidate, Mentor: Prof. Dr. Martin Schmelz, Medical Facutly Mannheim, Heidelberg University
Since 2009 Postdoctoral research fellow, Institute for Experimental Pain Research (head: Martin Schmelz), Mannheim Center for Translational Neuroscience, , Heidelberg University, Mannheim, Germany
2014 - 2019 Postdoctoral research fellow, Molecular Genetics Section (head: Mark A. Hoon), National Institute of Dental and Craniofacial Research, Bethesda, MD, USA

5) Other

Awards and honours:
2015 - 2019 Postdoctoral fellowship by the National Institute of Dental and Craniofacial Research, Bethesda, MD, USA
2014 - 2015 Postdoctoral research fellowship by Deutsche Forschungsgemeinschaft, Bonnn, Germany
2005 - 2008 University student scholarship by Studienstiftung des deutschen Volkes, Bonn, Germany

Editorial boards:
Since 2021 Reviewing editor, 'Frontiers in Medicine'

6) Publications:

A)

Solinski HJ*, Rukwied R*, Schmelz M. Microinjection of pruritogens in NGF-sensitized human skin, **Scientific Reports**;11(1):21490, 2021.

Klein AH, Solinski HJ, Malewicz NM, Ieong HF-h, Sypek EI, Shimada SG, Hartke TV, Wooten M, Wu G, Dong X, Hoon MA, LaMotte RH, and Ringkamp M. Pruriception and neuronal coding in nociceptor subtypes in human and nonhuman primates, **eLife**;10:e64506, 2021.

Nickolls AR, Lee MM, Espinoza DF, Szczot M, Lam RM, Wang Q, Beers J, Zou J, Nguyen MQ, Solinski HJ, AlJanahi AA, Johnson KR, Ward ME, Chesler AT, and Bonnemann CG. Transcriptional programming of human mechanosensory neuron subtypes from pluripotent stem cells, **Cell reports**;(3):932-46 e7, 2020.

Solinski HJ, Dranchak P, Oliphant E, Gu X, Earnest TW, Braisted J, Inglese J, and Hoon MA. Inhibition of Npr1 blocks itch, **Science translational medicine**;11(500):eaav5464, 2019.

Solinski HJ, Kriegbaum MC, Tseng PY, Earnest TW, Gu X, Barik A, Chesler AT, and Hoon MA. Nppb-neurons are sensors of mast cell-induced itch, **Cell reports**;26(13):3561-3573, 2019.

Huang J*, Polgár E*, Solinski HJ, Mishra SK, Tseng PY, Iwagaki N, Boyle KA, Dickie AC, Kriegbaum MC, Wildner H, Zeilhofer HU, Watanabe M, Riddell JS, Todd AJ, and Hoon MA. Circuit dissection of the role of somatostatin in itch and pain, **Nature neuroscience**; 21(5):707-716, 2018.

Solinski HJ, Gudermann T, and Breit A. Pharmacology and Signaling of MAS-Related G Protein-Coupling Receptors, **Pharmacological reviews**;66(3):570-597, 2014.

Solinski HJ, Petermann F, Rothe K, Boekhoff I, Gudermann T, and Breit A. Human Mas-related G protein-coupled receptors-X1 induce chemokine receptor 2 expression in rat dorsal root ganglia neurons and release of chemokine ligand 2 from the human LAD-2 mast cell line, **PloS one**;8(3):e58756, 2013.

Solinski HJ, Zierler S, Gudermann T, and Breit A. Human sensory neuron-specific Mas-related G Protein-coupled receptors-X1 sensitize and directly activate transient receptor potential cation channel V1 via distinct signaling pathways, **The Journal of biological chemistry**;287(49):40956-40971, 2012.

Solinski HJ, Boekhoff I, Bouvier M, Gudermann T, and Breit A. Sensory neuron-specific MAS-related gene-X1 receptors resist agonist-promoted endocytosis, **Molecular pharmacology**;78(2):249-259, 2010.

* Equally contributing authors

B) other publications: -

C) Patents:

Pending: Compositions and Methods for the Inhibition of Pruritus (filed on 03.11.2017)