Curriculum Vitae

Personal Data

Title	PD Dr. rer. nat.
First name	Kay
Name	Jüngling
Current position	Research associate
Current institution(s)/ site(s), country	Institute of Physiology I, Faculty of Medicine, Universität Münster (UMS), Germany
Identifiers/ORCID	0000-0001-9639-8815

Qualifications and Career

Stages	Periods and Details	
Degree programme	1997–2002	Biology, Ruhr-Universität Bochum, Germany
Doctorate	2006	Dissertation, Biology, "Molekulare Mechanismen von Synaptogeneseprozessen", Ruhr-Universität Bochum, Germany
Stages of academic/ professional career	2023–present	Provisional Head of the Institute of Physiology I, Medical Faculty, UMS, Germany
	2022–present	Scientific Research Associate in the Institute of Physiology I, Medical Faculty, UMS, Germany
	2018	Habilitation; Venia legendi in Physiology, Institute of Physiology I, Medical Faculty, UMS, Germany
	2016–2022	Temporary Officer in the Institute of Physiology I, Medical Faculty, UMS, Germany
	2006–2016	Scientific Research Associate in the Institute of Physiology I, Medical Faculty, UMS, Germany
	2002–2005	Scholarship in the DFG Graduate Programme 736 "Development and Plasticity of the Nervous System", University of Bochum, Germany
	1998–2002	Diploma in Biology, Biological Faculty, University of Bochum, Germany

Engagement in the Research System

since 2023	Provisional Head of the Institute for Physiology I
since 2022	Teacher of Physiology in the module "Humanmedizinische und pharmakologische Grundlagen für B. Sc. Hebammenwissenschaften"
2022	Member of the Organization Committee of the "Train of Thoughts" scientific symposium as farewell for Prof. H.-C. Pape
2009–2020	Organization and Supervision of the "Schülerlabortag" organized by the SFB TRR58 "Fear, Anxiety, Anxiety Disorders" at the Institute of Physiology I, Medical Faculty, University Münster, Germany

since 2018 Mentoring in the PhD program MedK ("Medizinerkolleg"), Medical Faculty, University Münster, Germany

since 2012 Member of the "Otto Creutzfeldt Center for Cognitive and Behavioral Neuroscience", University Münster, Germany

Supervision of Researchers in Early Career Phases

- Regular contributions to multidisciplinary training for national and international undergraduate, graduate and postgraduate students, offering lectures, practical courses and seminars on different topics. Mentoring and supervision of 15 early career students including students of medical and natural sciences.

Scientific Results

Contributions: [1]Conceptualization/Methodology, [2]Analysis, [3]Investigation, [4]Funding Acquisition, [5]Writing

Category A (10 selected publications out of 28)

Park S, …, **Jüngling K**[1,2,3,4,5]: Neuropeptide S receptor stimulation excites principal neurons in murine basolateral amygdala through a calcium-dependent decrease in membrane potassium conductance. Pharmaceuticals (Basel) 2021; 14(6):519. DOI: 10.3390/ph14060519

Bengoetxea X, …, **Jüngling K**[1,2,3,4,5]: Human-specific neuropeptide S receptor variants regulate fear extinction in the basal amygdala of male and female mice depending on threat salience. Biol Psychiatry 2021; 90(3):145-155. DOI: 10.1016/j.biopsych.2021.02.967

Bengoetxea X, …, **Jüngling K**[1,4,5]: The μ-opioid system in midline thalamic nuclei modulates defence strategies towards a conditioned fear stimulus in male mice. J Psychopharmacol 2020; 34(11):1280-1288. DOI: 10.1177/0269881120940919

Goedecke L, …, **Jüngling K**[1,2,3,4,5]: μ-opioid receptor-mediated downregulation of midline thalamic pathways to basal and central amygdala. Sci Rep 2019; 9(1):17837. DOI: 10.1038/s41598-019- 54128-8

Haaker J, Maren S, …, **Jüngling K**[5], …, Lonsdorf TB: Making translation work: Harmonizing cross- species methodology in the behavioural neuroscience of pavlovian fear conditioning. Neurosci Biobehav Rev 2019; 107:329-345. DOI: 10.1016/j.neubiorev.2019.09.020

Blaesse P, …, **Jüngling K**[1,2,3,4,5]: μ-Opioid Receptor-mediated inhibition of intercalated neurons and effect on synaptic transmission to the central amygdala. J Neurosci 2015; 35(19):7317-25. DOI: 10.1523/JNEUROSCI.0204-15.2015

Jüngling K[1,2,3,4,5], …, Pape HC: Increased GABAergic efficacy of central amygdala projections to neuropeptide S neurons in the brainstem furing fear memory retrieval. Neuropsychopharmacology 2015; 40(12):2753-63. DOI: 10.1038/npp.2015.125

Chauveau F, Lange MD, **Jüngling K**[2,3,5], Lesting J, Seidenbecher T, Pape HC: Prevention of stress-impaired fear extinction through neuropeptide s action in the lateral amygdala. Neuropsychopharmacol 2012; 37(7):1588-99. DOI: 10.1038/npp.2012.3

Pape HC, **Jüngling K**[1,5], Seidenbecher T, Lesting J, Reinscheid RK: Neuropeptide S: A transmitter system in the brain regulating fear and anxiety. Neuropharmacology 2010; 58(1):29-34. DOI: 10.1016/j.neuropharm.2009.06.001

Jüngling K*[1,2,3,5], Seidenbecher T*, …, Reinscheid RK, Pape HC: Neuropeptide S-mediated control of fear expression and extinction: Role of intercalated GABAergic neurons in the amygdala. Neuron 2008; 59(2):298-310. DOI: 10.1016/j.neuron.2008.07.002

Category B

n/a

Science communication (selected)

2022 Lecture at the KinderUni, Title “Wie steuern Biosignale die Kommunikation in unserem Körper?” University Münster, Germany

2018 Invited talk at the “Symposium Turm der Sinne: Nerven kitzeln: Wie Angst unsere Gedanken, Einstellungen und Entscheidungen prägt, City Hall, Fürth, Germany

2018 Invited Talk at the 7. Grevener Hochschultag “Denken Handeln Fühlen: Neues aus den Neurowissenschaften”, Augustinianum and the Volkshochschule Emsdetten/ Greven/Saerbeck, Germany

2018 Appearance in the Arte TV documentation “Wenn Angst krank macht – Anatomie eines Gefühls”, Germany

Academic Distinctions

2008 Research Award of the University Münster (together with Thomas Seidenbecher and H.-C. Pape)

Other Information

n/a