PD Dr. Julia Sacher · *Curriculum vitae*

*7th May 1978, LINZ · Citizenship: Austrian
married · two children: *2012 & *2014

Minerva Research Group "EGG (Emotion & neuroimaGinG) Lab" Leader
Max Planck Institute for Human Cognitive and Brain Sciences, Department of Neurology
Stephanstraße 1 a, 04103 Leipzig, Germany.
Phone: +49 341 9940 2409, sacher@cbs.mpg.de

RESEARCH INTERESTS

Depression, Sex Hormones, Prevention of Mood Disorders, Serotonin, Neuroplasticity, Multimodal Neuroimaging

ACADEMIC CURRICULUM & APPOINTMENTS

2015 – ongoing	*Group Leader & IMPRS Faculty Position*
	Minerva Research Group
	Department of Neurology, Max Planck Institute for Human Cognitive & Brain Sciences, Leipzig.
2009 – 2014	*Young Investigator & Humboldt Fellow*
	Group: Prof. Arno Villringer
	Department of Neurology, Max Planck Institute for Human Cognitive & Brain Sciences, Leipzig.
2007 – 2009	*Postdoctoral Fellow in Neuroimaging*
	Group: Prof. Jeffrey Meyer, Neurochemical Imaging Program in Mood Disorders, PET-Centre, Centre for Addiction and Mental Health (CAMH), University of Toronto.
2004 –2007	*Ph.D. Student Cellular Signal Transduction & Neuroimaging*
	Group: Prof. Johannes Tauscher, Department of General Psychiatry, MUW, Austria.
2003	*Medical Doctorate Student*
	Group: Prof. Martin Hohenegger, Institute of Pharmacology, MUW, Austria.

EDUCATION

2015	*Habiliation (venia legendi) in Psychiatry & Psychotherapy*
	Habilitation thesis: Modulators of individual responses to psychopharmacological intervention.
2014	*Clinical Board Certification* as *Psychiatrist & Psychotherapist*
2009 – 2014	*Psychiatry Residency*
	Department of Clinical Neurology, Max Planck Institute for Human Cognitive and Brain Sciences & University of Leipzig, Germany
	Medical License No 131663 Medical Association of Saxony.
2007 – 2009	*Clinical Fellowship Psychiatry*
	Department of Psychiatry, Centre for Addiction and Mental Health, University of Toronto.
	Educational License No 87743: College of Physicians and Surgeons of Ontario (CPSO).
2004 – 2006	*Psychiatry Residency*
	Department of General Psychiatry & Department of Clinical Pharmacology, MUW, Austria.
	Medical License No 24059: Austrian Medical Association.
2004 –2007	Ph.D. degree (with honours)
	Thesis: *Binding Kinetics Studies on the new serotonin transporter SPECT ligand ^{123}I-ADAM in healthy human volunteers & In vivo imaging of SERT-occupancy of escitalopram and citalopram by means of ^{123}I-ADAM in healthy human volunteers.*
	Institute of Pharmacology & Department of General Psychiatry, MUW, Austria.

1996 – 2003 Medical School (with honours)

Thesis: *Statin induced Apoptosis in human skeletal muscle cells.*
Institute of Pharmacology, Medical University of Vienna (MUW), Austria.

SELECTED FUNDING RECORD

2017 – 2018 National Alliance for Research on Schizophrenia and Depression (NARSAD) Young Investigator Award, USA (US 70.000, operating funds): *A model for perimenopausal depression.*

2012 – 2017 Branco Weiss Fellowship, Society in Science (SF 500.000): *The menstrual cycle of the brain.*

2010 – 2011 Humboldt Research Fellowship, Alexander von Humboldt Foundation Bonn (EUR 73.000): *Multimodal Neuroimaging of Late Life Depression.*

2008 – 2010 National Alliance for Research on Schizophrenia and Depression (NARSAD) Young Investigator Award, USA (US 60.000, operating funds): *Neurochemical Aspects of Postpartum Depression.*

PARENTAL LEAVE

January 2012 – December 2012, December 2014-November 2015

BIBLIOGRAPHIC RECORD

ORCID ID : 0000-0003-0944-0558

H-index: 21, 35 peer reviewed papers · 16 as first/last author, citations >1500

10 SELECTED PUBLICATIONS IN THE LAST 5 YEARS

1. Barth C, Steele C, Mueller K, Rekkas VP, Arelin K, Pampel A, Burmann I, Kratzsch K, Villringer A, **Sacher J.**In-vivo Dynamics of the Human Hippocampus across the Menstrual Cycle. Oct 2016. Nature Scientific Reports, Article number: 32833 doi:10.1038/srep32833.
2. Progesterone mediates brain functional connectivity changes during the menstrual cycle-a pilot resting state MRI study. Arélin K, Mueller K, Barth C, Rekkas PV, Kratzsch J, Burmann I, Villringer A, **Sacher J** Front Neurosci. 2015 Feb 23;9:44. doi: 10.3389/fnins.2015.00044. eCollection 2015.
3. Sex hormones affect neurotransmitters and shape the adult female brain during hormonal transition periods. Barth C, Villringer A, **Sacher J**. Front Neurosci. 2015 Feb 20;9:37. doi: 10.3389/fnins.2015.00037.
4. Schaefer A, Burmann I, Regenthal R, Arelin K, Barth C, Pampel A, Villringer A, Margulies D, **Sacher J.** Serotonergic modulation of intrinisic functional connectivity. Current Biology, 2014 Oct 6;24(19):2314-8. doi: 10.1016/j.cub.2014.08.024.
5. **Sacher J**, Rekkas PV, Wilson A, Houle S, Romano L, Hamidi J, Rusjan P, Fan I, Stewart D, Meyer J. Relationship of Monoamine Oxidase A Distribution Volume to Postpartum Depression and Postpartum Crying. Neuropsychopharmacology, 2015 Jan;40(2):429-35. doi: 10.1038/npp.2014.190.
6. Rekkas PV, Wilson AA, Houle S, Rusjan P, Lee VWH, Yogalingam P, **Sacher J,** Stewart DE, Kolla N, Kish S, Chiuccariello, Meyer J. Greater Monoamine Oxidase A binding in perimenopause age as measured with [^{11}C] Harmine Positron Emission Tomography. JAMA Psych. 2014 Aug;71(8):873-9. doi: 10.1001/jamapsychiatry.2014.250.
7. **Sacher J**, Okon-Singer H, Villringer A. Evidence from neuroimaging for the role of the menstrual cycle in the interplay of emotion and cognition. Front Hum Neurosci. 2013 Jul 24;7:374. doi: 10.3389/fnhum.2013.00374.
8. Hoyer J, Burmann I, Kieseler M-K, Vollrath F, Hellrung L, Arelin A, Roggenhofer E, Villringer A, **Sacher J**. Menstrual cycle phase modulates emotional conflict processing in women with and without premenstrual syndrome (PMS)--a pilot study. PLoS One. 2013 Apr 24;8(4):e59780. doi: 10.1371/journal.pone.0059780.
9. Mueller K*, **Sacher J*** (contributed equally), Arelin K, Holiga S, Kratzsch J, Villringer A, Schroeter ML.Overweight and obesity are associated with neuronal injury in the human cerebellum and hippocampus in young adults: a combined MRI, serum marker and gene expression study. Journal of Translational Psychiatry. 2012 Dec 4;2:e200. doi: 10.1038/tp.2012.121.
10. **Sacher** J, Neumann J, Okon-Singer H, Gotowiec S, Villringer A: Sexual Dimorphism in the Human Brain: Evidence from Neuroimaging. Magn Reson Imaging. 2013 Apr;31(3):366-75. doi: 10.1016/j.mri.2012.06.007