

CURRICULUM VITAE

Rupert Lanzenberger, MD, PD, A/Prof.

Department of Psychiatry and Psychotherapy, Medical University of Vienna



Current Position

2010

A/Professor, Medical University of Vienna

2005 – present

Head, Functional, Molecular & Translational Neuroimaging – PET & MRI

<http://www.meduniwien.ac.at/neuroimaging/>, Department of Psychiatry & Psychotherapy.

Focus on translational, molecular and multimodal neuroimaging including Positron Emission Tomography (PET and Micro-PET), Structural and Functional Magnetic Resonance Imaging (sMRI, fMRI), Pharmacological Magnetic Resonance Imaging (phMRI).

University Career

2010

Habilitation “NEUROSCIENCES” (Privatdozent) with “Molecular and Functional Neuroimaging of the Serotonergic System using PET and fMRI”

2004 – 2005

Postdoctoral Research Fellow in Neuroimaging, Department of Psychiatry, MUW: PET, fMRI

1999 – 2003

Postdoctoral Research Fellow at the Ludwig Boltzmann Institute for Functional Brain Topography, Department of Neurology, MUW, Austria: fMRI, MEG, EEG, ICS

Education and Training

– 2011

Doctoral Program (Dr.rer.nat.), Faculty of Psychology, University of Vienna, Austria

– 2004

Ph.D. Program, University of Liechtenstein

– 2001

Master Program in Human Biology, University of Vienna

– 1998

M.D. degree 14th May 1998, Medical School at the University of Vienna

Honours and Awards

2009

NARSAD Young Investigator Award, USA National Alliance for Research on Schizophrenia and Depression, USD 59,010.53

2006

Research Award in Clinical Psychiatry, Austrian Society of Neuropsychopharmacology & BP

2001

Theodor Körner Award, Austrian Award for Promotion of Science and Art.

2000 – 2011

Several Travel Awards (NIH/HBM 2001, NIH 2002, ECNP 2006, ÖGPB 2007, OeFG 2000-11)

AWARDS of the Research Lab of R. Lanzenberger: http://www.meduniwien.ac.at/neuroimaging/mf54_awards.html

Membership in Scientific Advisory Committees (selection)

EU IMI call 2011, I.Medicines Initiative European Community & European Fed. Pharmaceutical Industries & Associations (EFPIA)

International Symposium on Functional Neuroreceptor Mapping of the Living Brain (NRM2010), Glasgow, UK.

Design.Head, Task Force on Brain Imaging, World Federation of Societies of Biological Psychiatry (WFSBP),

METPETS Consortium - Measuring Endogenous Neurotransmitters by PET and SPECT (METPETS).

Faculty of 1000 – F1000, Post-Publication peer review, since 201011, <http://www.f1000.com/>

Membership in Editorial Boards and International Societies (selection, MEDLINE listed)

World Journal of Biological Psychiatry, The International J. Neuropsychopharmacology, Europ. Neuropsychopharmacology,

Suicidology Online, CliniCum Neuropsychy, Arzneimittelprofil

OHBM, ISMRM, CINP, WFSBP, APHAR, ANA, ECNP, ÖGN, ÖGPB, ASSC, ÖGMRT

Reviewer for Research Organisations and Funding (selection)

DEUTSCHE FORSCHUNGSGEMEINSCHAFT, Germany; <http://www.dfg.de>, since 2008

Health Research Board (HRB), lead agency in Ireland supporting research, www.hrb.ie, since 201011

MRC / Medical Research Council, <http://www.mrc.ac.uk/>, London, UK, since 201011

UNIVERSITY OF OTTAWA MEDICAL RESEARCH FUND (UMRF), Canada, since 201004

The Wellcome Trust, lead charity in England, <http://www.wellcome.ac.uk/>, London, UK, since 201011

RWTH Aachen UNIVERSITY (START programme, Medical Faculty), Aachen, Germany, since 201008

Lister Institute Research Price, <http://www.lister-institute.org.uk/>, UK, since 201102

External Referee / Invited Reviewer for Manuscripts (selection)

Acta Psychiatrica Scandinavica, Addiction, American Journal of Medical Genetics Part B: Neuropsychiatric Genetics,

American journal of psychiatry, Applied Sciences, Behavioural Brain Research, Biological Psychiatry, Brain Research

Bulletin, British Journal of Pharmacology, Current Psychopharmacology, Human Brain Mapping, International Journal of

Psychiatry in Clinical Practice, Journal für Neurologie, Neurochirurgie und Psychiatrie, Journal of Cerebral Blood Flow &

Metabolism, Journal of Psychiatry and Neuroscience, Journal of Psychiatric Research, Magnetic Resonance Materials in

Physics, Biology and Medicine, Molecular Psychiatry, Neuroimage, Psychoneuroendocrinology, The International Journal of

Neuropsychopharmacology, Theoretical Biology and Medical Modelling, The World Journal of Biological Psychiatry.

International Cooperations (selection)

National Institutes of Health (Prof. Volkow), National Institute on Drug Abuse (NIDA), Bethesda, USA; **The Netherlands Institute for Neuroscience** (Prof. Swaab), Amsterdam; **Columbia University** (Prof. Parsey), New York, USA; **Yale University School of Medicine** (Prof. Ding), New Haven, USA; **Rigshospitalet and University of Copenhagen** (Prof. Knudsen), Copenhagen, Denmark; **Department of Neuroscience & Medicine 4, Forschungszentrum Jülich** (Prof. Shah)

Memberships in Professional Organizations

CINP (Collegium Internationale Neuro-Psychopharmacologicum), **APHAR** (Österreichische Pharmakologische Gesellschaft), **ECNP** (European College of Neuropsychopharmacology), **ANA** (Austrian Neuroscience Association), **WFSBP** (World Federation of Societies of Biological Psychiatry), Member of the Task Force on BRAIN IMAGING of the WFSBP, **ÖGN** (Österreichische Gesellschaft für Nuklearmedizin), **ÖGfMRT** (Österreichische Gesellschaft für funktionelle MR Tomographie), **ÖGPB** (Österreichische Gesellschaft für Neuropsychopharmakologie und Biologische Psychiatrie), **OHBM** (Organization for Human Brain Mapping), **ISMRM** (International Society for Magnetic Resonance in Medicine).

Peer-reviewed Grant Support: Funding > € 2.080.123 (selection)

Principal Investigator (7 projects: 2 FWF, 2 OeNB, 1 NARSAD, 1 BMF, 1 RC) and Co-investigator (11 projects)

1. **The Norepinephrine Transporter in Attention Deficit Hyperactivity Disorder investigated with PET.**
PI, Funding: FWF Austrian Science Fund P 22981, 2011 – 2013
2. **Effects of sex steroid hormones on human brain function, structure and connectivity: A longitudinal study using 7 Tesla Ultrahigh-field Magnetic Resonance Imaging**
PI, Funding: FWF Austrian Science Fund P 23021, 2010 – 2012
3. **Multimodal Neuroimaging in Clinical Neurosciences – Assessment of neurobiological markers for psychiatric disorders**
PI, Funding: Research Cluster (RC) Medical University & University of Vienna, 2011 – 2013
4. **Effects of electroconvulsive therapy on serotonin-1A receptor binding in major depression investigated by positron emission tomography (PET)**
PI, Funding: USA National Alliance for Research on Schizophrenia and Depression (NARSAD), 2010 – 2011
5. **A multimodal study combining fMRI and PET to investigate serotonergic modulation of limbic excitability in patients with anxiety disorders**
PI, Funding: Austrian National Bank, Jubiläumsfonds Project # 11468, 2005 – 2008
6. **The influence of sex steroid hormones on serotonin transporter binding in the human brain investigated by PET**
PI, Funding: Austrian National Bank, Jubiläumsfonds Project # 13214, 2009 – 2012
7. **Measuring in-vivo brain dopamine release in first episode schizophrenia using the novel dopamine D2/3 agonist radioligand [11C]-(+)-PHNO and positron emission tomography: The influence of sensitization and genetic variation**
Co-I, Funding: FWF Austrian Science Fund P23585, 2011-2013
8. **The Serotonin Transporter in Attention Deficit Hyperactivity Disorder Investigated with PET**
Co-I, Funding: Austrian National Bank, Jubiläumsfonds Project # 13675, 2010 – 2011, *Support: € 76.000.-*
9. **The influence of hormone replacement therapy on serotonin_{1A} receptor distribution and mood in postmenopausal women – A longitudinal study using Positron Emission Tomography (PET) and the radioligand [*carbonyl*-¹¹C]WAY-100635**
Co-I, Funding: Austrian National Bank, Jubiläumsfonds Project # 12809, 2008 – 2011
10. **The Adenosine A3 Receptor (A3AR) – A completely new Target for PET-Neuroimaging: Synthesis, Radiosynthesis & preclinical Evaluation of [¹⁸F]FE@SUPPY as Ligand for the A3AR**
Co-I, Funding: FWF Austrian Science Fund P19383-B09, 2006 – 2009
11. **Networks of Anxiety: Connectivity Analysis in Social Phobia using Functional MRI**
Co-I, Funding: Austrian National Bank (OeNB), Jubiläumsfonds Project # 12982, 2008 – 2010
12. **Effects of electroconvulsive therapy on serotonin-1A receptor binding in major depression**
Co-I, Funding: Austrian National Bank, Jubiläumsfonds Project # 13219, 2009 – 2010
13. **Using TMS to treat smoking addiction: a combined TMS/fMRI study**
Co-I, Funding: Austrian National Bank, Jubiläumsfonds Project # 14350, 2011 – 2013

Numerous Invited Lectures on international meetings / conferences

R.Lanzenberger is often invited throughout Europe and abroad to lecture on a wide range of topics. To date, he has delivered more than 90 lectures at national or international meetings in more than 14 countries, for details see: http://www.meduniwien.ac.at/neuroimaging/mf54_talks.html

Supervision of Doctoral / Diploma Theses (19 students) and Teaching

Co-Coordinator MUW Doctoral Program of Applied Medical Sciences (N790), CLINICAL NEUROSCIENCES (CLINS). http://www.meduniwien.ac.at/neuroimaging/mf54_clins.html