

CURRICULUM VITAE: (April, 11th 2019)

Name: Federspiel
First name: Andrea

Date of birth: 2.1.1956
Place of birth: Merano, Italy

Professional address: University of Bern,
University Hospital of Psychiatry and Psychotherapy,
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Education

1979-1984 Study in Physics, Mathematics and Chemistry at the University of Bern

1984-1987 Master thesis at the Paul Scherrer Institut (PSI) in Villigen, Switzerland

1987-1990 PhD thesis at CERN Geneva with title:
"Low mass electron pair production at the CERN Proton-Antiproton Collider"

1990 Brookhaven National Laboratory, New York USA

1990-1993 Fellowship in Radiology Physics at the Kantonsspital in Basel, Switzerland

since 1993 University of Bern, University Hospital of Psychiatry, Dept. of Psychiatric Neurophysiology, Prof. Dr. med. W.K. Strik and Prof. Dr. med. T. Dierks.

2002 Fellowship at Neurotec department, Division of Clinical Geriatrics, Karolinska Institutet, Karolinska University Hospital, Stockholm, Sweden (Prof. L.O. Wahlund).

2006 Fellowship at Neurology Department, University of Pennsylvania, Philadelphia USA (Prof. J.A. Detre).

2009 Habilitation (Venia doctenti) at the University Bern, Medical Faculty

2013 Associate Professor at the University Bern, Medical Faculty

SCIENTIFIC PROJECTS

- Neuroimaging in Psychiatry
- Perfusion with Arterial Spin Labeling
- Event-related fMRI experiments
- MRI based CBF quantification in Stroke
- Diffusion Tensor Imaging

- Simultaneous fMRI and EEG measurement

MEMBERSHIP & Networking

- International Society for Magnetic Resonance in Medicine (ISMRM)
- EU-COST Action: BM-1103 „Arterial spin labelling initiative in Dementia (AID)“
- Diffusion- and Perfusion Study Group of ISMRM
- Organization for Human Brain Mapping (OHBM)
- Swiss Society for Biological Psychiatry (SSBP)
- Swiss Physical Society (SPG)
- European Physical Society (EPS)
- Schweizerische Gesellschaft für Strahlenmedizin und Medizinische Physik (SGSMP)

GRANT (Peer Reviewed, Coauthor)

1. Swiss National Science Foundation (SNSF-SPUM):“Impact of qualitative MR perfusion imaging on the management of patients with carotid artery disease” 33CCM30-124114/1
2. Swiss National Science Foundation (SNSF): “Formal thought disorder: Pathophysiology and its implication for specific treatment” 320030-127359
3. Swiss National Science Foundation (SNSF):“Neurobiological mechanisms of auditory verbal hallucinations” 3200B0-112578
4. Swiss National Science Foundation (SNSF): “The significance of sensory function for the recovery of motor paresis after ischemic stroke” 3200B0-118018
5. Swiss National Science Foundation (SNSF): “Pathophysiology of psychopathology:Formal thought disorder measured by combined fMRI and EEG” 3200B0-100823
6. Synapsis Foundation: „The differentiation of semantic memory (dys)functions in Alzheimers Dementia using electrophysiologic and cerebral blood flow (ASL-MRI) markers”

Reviewer for

„JAMA Psychiatry”
 „Biological Psychiatry”
 „Neuroimage”
 „Psychiatry Research: Neuroimaging“
 „NMR in Biomedicine“
 „Neuropsychobiology“
 „Stroke“
 „International Journal of Psychophysiology“
 „Neurorehabilitation & Neural Repair“
 „Science”

PUBLICATIONS

<http://www.researcherid.com/rid/E-8342-2010>

Over 80 articles in the field of medicine

Over 21 articles in the field of physics

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