

**Hubert Preißl**  
**curriculum vitae**

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**Research Statement**

I have two major research foci: fetal magnetoencephalography (fMEG) and eating related processes. In the area of fetal magnetoencephalography (fMEG) I am mainly interested in the investigation of auditory and language processes in fetuses and newborn. Regarding the eating related processes I am mainly interested in the effect of insulin on brain processes. We were one of first to describe central nervous insulin resistance. In the future I want to combine both research direction to investigate the effect of the intrauterine environment (nutritional status, stress,...) on cognitive development in later life. For my research I currently use EEG, MEG, NIRS and fMRI (BOLD, blood flow).

**Professional Employment**

2015-present Professor at the Department of Pharmacy and Biochemistry, IZEPHAS Tübingen, Zentralnervöse Ursachen des Typ 2 Diabetes

2013-present: scientific director of the fMEG (fetal magnetoencephalography) Center.

2011-present: Group Leader "Metabolic Neuroimaging", Institute for Diabetes Research and Metabolic Diseases of the Helmholtz Center Munich at the University of Tübingen.

2011-present: member of the Excellence Center for Integrative Neuroscience, Tübingen

1997-2012: tenured Senior Researcher at the MEG (Magnetoencephalography)-Center, Tübingen: Responsibility for the whole-head and fetal MEG system. Coordination and planning of cognitive studies in normal subjects and patients for the Center with internal and external collaborators. Responsible for the computer environment (IT Officer of the Center).

2000-2011: technical and scientific project director at the Department of Obstetrics and Gynecology at the University of Arkansas for Medical Sciences, Little Rock: Responsibility for the installation and scientific coordination of the first MEG system dedicated for fetal brain development studies.

2004-2011: Research Associate Professor, Dept. Obstetrics and Gynecology, University of Arkansas for Medical Sciences, Little Rock, USA

2000/2001: Research Assistant Professor, Dept. Obstetrics and Gynecology, University of Arkansas for Medical Sciences, Little Rock, USA

1994-1997: research associate at the Institute for Medical Psychology and Behavioral Neurobiology, Tübingen.

1989-1994: research assistant at the Max-Planck-Institute for biological Cybernetics, Tübingen