

## Curriculum Vitae

### Personal Data

Title	Prof. Dr. rer. nat.
First name	Joachim
Name	Groß
Current position	W3 Professor
Current institution(s)/ site(s), country	Institute for Biomagnetism and Biosignalanalysis, Faculty of Medicine, Universität Münster (UMS), Germany
Identifiers/ORCID	0000-0002-3994-1006

### Qualifications and Career

Stages	Periods and Details	
Degree programme	1989–1995	Physics, Leibniz Universität Hannover, Germany
Doctorate	1998	Dissertation, Neuroscience, “About linear and nonlinear transformation of neuromagnetic signals”, Institute of Medicine (IME) at the Research Center Juelich and the MPI for Cognitive Neuroscience in Leipzig, Germany
Stages of academic/ professional career	2009–present	Professor (W3) and Director of Institute for Biomagnetism and Biosignalanalysis, UMS, Germany
	2010–2017	Director of Centre for Cognitive Neuroimaging (CCNi), University of Glasgow, UK
	2006–2017	Professor at Institute of Neuroscience and Psychology, University of Glasgow, UK
	2005	Habilitation in Neuroscience, University of Düsseldorf, Germany
	2004–2006	Senior researcher in the MEG Laboratory, Department of Neurology, University of Düsseldorf, Germany

### Engagement in the Research System

since 2022	Chair of the Scientific Committee of International conference on Biomagnetism
since 2019	Member of Scientific Advisory Board, University of Marseille, France
since 2018	External evaluation Committee Member, Neurospin, France
2014–2017	Scientific Advisory Board, University of Cardiff, UK
since 2018	Chair of Scientific Advisory Board, University of Jyväskylä, Finland
2016–2019	Member of Neuroscience Panel, Norway Research Council, Norway
2013–2022	Associate Editor, Human Brain Mapping
2012	Wellcome Trust Joint Senior Investigator Award, UK

### Supervision of Researchers in Early Career Phases

- Long-standing and regular contributions to multidisciplinary training for national and international undergraduate, graduate and postgraduate students and physicians, offering lectures, practical courses and seminars on different topics. Since 2006, personal supervision of 22 PostDocs and 15 PhD students.

### Scientific Results

Contributions:<sup>1</sup>Conceptualization/Methodology, <sup>2</sup>Analysis, <sup>3</sup>Investigation, <sup>4</sup>Funding Acquisition, <sup>5</sup>Writing

#### Category A (10 selected publications out of 220)

**Gross J**<sup>1,2,3,4,5</sup>: Magnetoencephalography in cognitive neuroscience: A primer. *Neuron* 2019; 189-204.

DOI: 10.1016/j.neuron.2019.07.001

Park H, ..., **Gross J**<sup>1,2,3,4,5</sup>: Frontal top-down signals increase coupling of auditory low-frequency oscillations to continuous speech in human listeners. *Curr Biol* 2015; 25:649-1653. DOI: 10.1016/j.cub.2015.04.049

Daube C, Ince RA, **Gross J**<sup>1,2,3,4,5</sup>: Simple acoustic features can explain phoneme-based predictions of cortical responses to speech. *Curr Biol* 2019; 29(1):1924-1937. DOI: 10.1016/j.cub.2019.04.067

Ploner M, Sorg C, **Gross J**<sup>1,3,5</sup>: Brain rhythms of pain. *Trends Cogn Sci* 2017; 21(2): 100-110. DOI: 10.1016/j.tics.2016.12.001

Cao L, Veniero D, Thut G, **Gross J**<sup>1,2,3,4,5</sup>: Role of the cerebellum in adaptation to delayed action effects.

*Curr Biol* 2017; 27(16):2442-2451. DOI: 10.1016/j.cub.2017.06.074

**Gross J**<sup>1,2,3,5</sup>, Schnitzler A, Timmermann L, Ploner M: Gamma oscillations in human primary somatosensory cortex reflect pain perception. *PLoS Biol* 2007; 5:e133. DOI: 10.1371/journal.pbio.0050133

**Gross J**<sup>1,2,3,5</sup>, ..., Schnitzler A: Modulation of long-range neural synchrony reflects temporal limitations of visual attention in humans. *Proc Natl Acad Sci U S A* 2004; 101:13050-13055. DOI: 10.1073/pnas.0404944101

**Gross J**<sup>1,2,3,5</sup>, ..., Schnitzler A: The neural basis of intermittent motor control in humans. *Proc Natl Acad Sci U S A* 2002; 99:2299-2302. DOI: 10.1073/pnas.032682099

Veniero D, **Gross J**<sup>1,2,3,4,5</sup>, ..., Thut G: Top-down control of visual cortex by the frontal eye fields through oscillatory realignment. *Nat Commun* 2021; 12(1): 1-13. DOI: 10.1038/s41467-021-21979-7

Schnitzler A, **Gross J**<sup>1,2,3,5</sup>: Normal and pathological oscillatory communication in the brain. *Nat Rev Neurosci* 2005; 6(4):285-296. DOI: 10.1038/nrn1650

#### Category B

n/a

#### Science communication

n/a

### Academic Distinctions

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| 2012 | Senior Fellowship Award, Zukunftskolleg, University of Konstanz, Germany   |
| 2010 | Samuel Williamson Prize at the International conference for Biomagnetism, Dubrovnik, Croatia   |
| 2003 | 2nd Science Prize of Nordrhein-Westfalen for the work: "Tomographic mapping of functional connectivity in the human brain using magnetoencephalography." |

### Other Information

n/a