

## John-Dylan Haynes

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### Curriculum vitae

since 2011	Head, Berlin Center for Advanced Neuroimaging
since 2006	Professor, Theory and Analysis of Large Scale Brain Signals, Bernstein Center for Computational Neuroscience and Charité
2005 - 2006	Group leader, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig
2003 - 2005	Postdoc, Institute for Cognitive Neuroscience and Wellcome Department of Imaging Neuroscience, University College, London
2003	PhD, "The role of primary visual cortex in visual awareness", University of Bremen, (summa cum laude)
2001 - 2003	Visiting research fellow, Institute for Cognitive Neuroscience and Wellcome Department of Imaging Neuroscience, University College, London
2001 - 2003	Researcher, Institute of Neuroscience, Plymouth
2001 - 2001	Postgraduate researcher, Institute for Neuropsychology and Behavioral Neurology, University of Bremen
1999 - 2001	Postgraduate researcher, Hanse Institute for Advanced Studies, Delmenhorst
1997 - 2000	Postgraduate researcher, Institute for Psychology and Cognition Research, University of Bremen
1996	Diploma, Psychology, University of Bremen

### Research fields

Our group is active in the field of functional neuro-imaging and cognitive neuroscience:

- Functional neuroimaging of the human brain
- Multivariate decoding and information-theoretic analysis of cortical processing
- Cognitive modulation of functional and effective brain connectivity
- Neural basis of conscious and unconscious information processing
- Encoding of action plans in prefrontal cortex
- Decoding of disease and automated diagnostics

### Activities in the scientific community, honors, awards

2006 - 2010	Board member, Association for the Scientific Study of Consciousness
2000 - 2002	Executive Committee, Interdisciplinary College, G�nne
1999 - 2001	Coordinator, research network, NeuroNord

## Selected publications

Schultze-Kraft M, Birman D, Rusconi M, Allefeld C, Gorgen K, Dahne S, Blankertz B, Haynes JD. The point of no return in vetoing self-initiated movements. *Proceedings of the National Academy of Sciences of the United States of America*. 2016;113(4):1080-5.

Wisniewski D, Reverberi C, Momennejad I, Kahnt T, Haynes JD. The Role of the Parietal Cortex in the Representation of Task-Reward Associations. *J Neurosci*. 2015;35(36):12355-65.

Weygandt M, Mai K, Dommès E, Ritter K, Leupelt V, Spranger J, Haynes JD. Impulse control in the dorsolateral prefrontal cortex counteracts post-diet weight regain in obesity. *Neuroimage*. 2015;109:318-27.

Haynes JD. A Primer on Pattern-Based Approaches to fMRI: Principles, Pitfalls, and Perspectives. *Neuron*. 2015;87(2):257-70.

Soon CS, He AH, Bode S, Haynes JD. Predicting free choices for abstract intentions. *Proceedings of the National Academy of Sciences of the United States of America*. 2013;110(15):6217-22.

Hackmack K, Weygandt M, Wuerfel J, Pfueller CF, Bellmann-Strobl J, Paul F, Haynes JD. Can we overcome the 'clinico-radiological paradox' in multiple sclerosis? *J Neurol*. 2012;259(10):2151-60.

Hackmack K, Paul F, Weygandt M, Allefeld C, Haynes JD, Alzheimer's Disease Neuroimaging I. Multi-scale classification of disease using structural MRI and wavelet transform. *Neuroimage*. 2012;62(1):48-58.

Kahnt T, Grueschow M, Speck O, Haynes JD. Perceptual learning and decision-making in human medial frontal cortex. *Neuron*. 2011;70(3):549-59.

Bogler C, Bode S, Haynes JD. Decoding successive computational stages of saliency processing. *Curr Biol*. 2011;21(19):1667-71.

Kahnt T, Heinzle J, Park SQ, Haynes JD. The neural code of reward anticipation in human orbitofrontal cortex. *Proceedings of the National Academy of Sciences of the United States of America*. 2010;107(13):6010-5.