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*28.04.1982, female, German

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Position Independent Max Planck Research Group Leader (eqv. W2)

Children One, parental leave 2016/2017

Academic education including academic degrees

2001 - 2008 Diploma in Physics, Technical University of Darmstadt

Studies of Physics, TU Darmstadt and U Nova Lisbon

Scientific graduation

09/2013 Dr. phil. nat. in Physics, Goethe University Frankfurt

2009 - 2013 PhD projects at the

Ecole Normale Superieure, Paris, France & Caltech, Pasadena, California, USA &

Max Planck Institute for Brain Research, Frankfurt,

with Gilles Laurent, Christian Machens and Jochen Triesch

Employment

Since 2017	Group Leader, Max Planck Institute for Dynamics and Self-
	Organization, Göttingen
2016 - 2017	Start-Up Phase of Max Planck Research Group, Max Planck
	Institute for Dynamics and Self-Organization, Göttingen
2014 - 2016	Bernstein Fellow, Bernstein Center for Computational
	Neuroscience, Göttingen
2013 - 2014	PostDoc with Theo Geisel, Max Planck Institute for Dynamics
	and Self-Organization, Göttingen
2004 - 2005	Erasmus student (one year), Universidade Nova de Lisboa,
	Portugal

Other activities, awards and honours

2021	Communitas Award of the Max Planck Society
2021	Ranked first (Ruf), W3 professorship in physics, U Göttingen
2020 -	Advisor to the German government on COVID-19 mitigation
2020 -	Public outreach on COVID-19 with many interviews in print, radio and TV
2020	Our publication (Dehing et al., Science, 2020) is highlighted as one of the 10 best publications of the Max Planck Society
2020	Ranked first (Ruf), W3 professorship in physics, U Heidelberg
2020	Ranked third for a W3 professorship in machine learning, U Göttingen
2020	Board Member of the "Campus Institute for Data Science", Göttingen
2020 -	Author and coordinator of position papers about COVID-19 mitigation, published by The Lancet, the Max Planck Society, or the German National Academy Leopoldina

2019 -	Temporary Member of the Max Planck Society
2017	Organization Committee Bernstein Conference
2017	Guest researcher at the Ernst Strüngmann Institute, Frankfurt
Since 2016	Reviewer for the European Commission (RIA FET-OPEN)
2015 &2016	Chair of the Computational Neuroscience Social at the SfN Annual Meeting, USA
2015 - 2020	Fellow of the Schiemann Kolleg of the Max Planck Society
2015	Research stay at the TECHNION, Haifa, Israel supported by the German Technion Society
Since 2014	Teaching activity on neural networks, information theory and complex systems at the physics faculty of the University Göttingen
2010	Thomas B. Grave and Elisabeth F. Grave Scholarship Woods Hole Summer School "Neural Systems and Behavior", Woods Hole, MA, USA

Ten most important publications

(Full list: https://scholar.google.de/citations?user=5oK8Ek4AAAAJ&hl=de&oi=ao)

- 1. Contreras, S., Dehning, J., Loidolt, M., Zierenberg, J., Spitzner, F. P., Urrea-Quintero, J. H., ... & <u>Priesemann, V</u>. (2021). The challenges of containing SARS-CoV-2 via test-trace-and-isolate. *Nature communications*, 12(1), 1-13.
- 2. Dehning J, Zierenberg J, Spitzner F, Wibral M, Pinheiro Neto J, Wilczek M, <u>Priesemann V</u> (2020) Inferring change points in the spread of COVID-19 reveals the effectiveness of interventions. *Science*, 6500, eabb9789
- Cramer B, Stöckel D, Kreft M, Wibral M, Schemmel J, Meier, K, <u>Priesemann V (2020)</u> Inferring collective dynamical states from widely unobserved systems. *Nat. Commun.* 9, 2325.
- 4. Wilting J, <u>Priesemann V (2019)</u> Between perfectly critical and fully irregular: a reverberating model captures and predicts cortical spike propagation. *Cereb Cortex* 29, 2759.
- 5. Wilting J, <u>Priesemann V</u> (2018) Inferring collective dynamical states from widely unobserved systems. *Nat. Commun* 9, 2325.
- 6. Zierenberg J, Wilting J, <u>Priesemann V</u> (2018) Homeostatic plasticity and external input shape neural network dynamics. *Physical Review* X. 8, 031018.
- 7. Levina A, Priesemann V (2017) Subsampling scaling. Nat. Commun. 8, 15140.
- 8. Wibral M, <u>Priesemann V</u>, Kay JW, Lizier JT, Phillips WA (2017) Partial information decomposition as a unified approach to the specification of neural goal functions. *Brain Cogn* 112, 25–38.
- 9. Aru J, Aru J, <u>Priesemann V,</u> Wibral M, Lana L, Pipa G, Singer W, Vicente R (2015) Untangling cross-frequency coupling in neuroscience. *Curr Opin Neurobiol* 31, 51–61.
- 10. <u>Priesemann V</u>, Wibral M, Valderrama M, Pröpper R, Le Van Quyen M, Geisel T, Triesch J, Nikolić D, Munk MHJ (2014) Spike avalanches in vivo suggest a driven, slightly subcritical brain state. *Front Syst Neurosci* 8, 108.