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Centre of Advanced European Studies and Research (caesar)
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EDUCATION

Ph.D., Computational Neurobiology, November 2005
University of California, San Diego | La Jolla, CA, USA

B.S., Electrical Engineering (summa cum laude), May 2000
Case Western Reserve University | Cleveland, OH, USA

APPOINTMENTS

Director, Dept. of Computational Neuroethology *June 2017 – present*
Center of Advanced European Studies And Research (caesar) | Bonn, Germany

Scientific member of the Max-Planck-Society *June 2017 – present*

Investigator *July 2011 – May 2017*
National Institute of Neurological Disorders and Stroke, NIH | Bethesda, MD, USA

Postdoctoral Fellow, Dept. of Biomedical Optics *Nov. 2005 – June 2011*
Max Planck Institute for Medical Research | Heidelberg, Germany

HONORS, AWARDS

Pew Scholar in the Biomedical Sciences (2014-2018)

Capranica Foundation Award in Neuroethology (2006)

Grass Fellowship in Neurobiology (2005)

La Jolla Interfaces in Science Research Fellowship, Burroughs Wellcome Fund (2002-2004)

SELECTED PUBLICATIONS

Ding H, Smith RG, Polog-Polsky A, Diamond JS, **Briggman KL** (2016) Species-specific wiring for direction selectivity in the mammalian retina. *Nature* 535: 105-110

Pallotto M, Watkins PV, Fubara B, Singer J, **Briggman KL** (2015) Extracellular space preservation aids the connectomic analysis of neural circuits. *Elife* 4:e08206

Helmstaedter M, **Briggman KL**, Turaga SC, Jain V, Seung HS, Denk W. (2013) Connectomic reconstruction of the inner plexiform layer in the mouse retina. *Nature* 500(7461):168-74

Briggman KL, Helmstaedter M, Denk W. (2011) Wiring specificity in the direction-selectivity circuit of the retina. *Nature* 471(7337):183-8

Helmstaedter M, **Briggman KL**, Denk W. (2011) High-accuracy neurite reconstruction for high-throughput neuroanatomy. *Nat Neurosci.* 14(8):1081-8

Briggman KL, Abarbanel HDI, Kristan WB Jr. (2005) Optical imaging of neuronal populations during decision-making. *Science.* 307(5711):896-901