

CARL PETERSEN

CV

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HOW MIND EMERGES FROM BRAIN: A VIEW INTO THE FUTURE

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Carl Petersen studied physics as a bachelor student in Oxford. During his Ph.D. studies under the supervision of Prof. Michael Berridge in Cambridge, he investigated calcium signaling and cloned the first vertebrate TRP channels. In his first postdoctoral period (1996-1998), he joined the laboratory of Prof. Roger Nicoll to investigate synaptic transmission and plasticity in the hippocampus. During a second postdoctoral period with Prof. Bert Sakmann he began working on the primary somatosensory barrel cortex, investigating cortical circuits and sensory processing. Carl Petersen joined the Brain Mind Institute at the Ecole Polytechnique Federale de Lausanne (EPFL) in 2003, setting up the laboratory of Sensory Processing to investigate the functional operation of neural circuits in awake mice during quantified behavior. His goal is to obtain their synaptic interactions within complex microcircuits.

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