



K O N I N K L I J K E N E D E R L A N D S E  
A K A D E M I E V A N W E T E N S C H A P P E N

## Deep learning in the brain

Date: 27 May 2019, 3.30 p.m. – 5.30 p.m.

Venue: OBA Oosterdok, Theaterzaal, Oosterdokskade 143, 1011 DL Amsterdam

### Programme

- 3.00 p.m. Registration with coffee and thee
- 3.30 p.m. Welcome and lecture by **Pieter Roelfsema**, Director of the Netherlands Institute for Neuroscience and Professor of Cognitive Neurophysiology at the University of Amsterdam – *Biologically plausible deep learning rules in the brain*
- 3.45 p.m. **David Cox**, directeur MIT-IBM Watson AI Lab, IBM Research AI, Cambridge Research Center, Cambridge, Verenigde Staten – *Predictive Coding Models of Perception*
- 4.30 p.m. **Marcel van Gerven**, Professor of Artificial Cognitive Systems, Principal Investigator Donders Institute for Brain, Cognition and Behaviour – *Neural system identification*
- 4.45 p.m. **Dileep George**, AI and neuroscience researcher and founder of *Vicarious*, an artificial intelligence company, San Francisco, California – *Understanding cortical microcircuits by building machines that generalize like the brain*
- 5.30 p.m. Drinks