

Gustavo Deco, University Pompeu Fabra, Barcelona, Spain – *Towards a Whole-Brain Model: Lessons from the Human Connectome*

Prof. Dr. Phil. Dr. Rer. Nat. Habil. Gustavo Deco is Research Professor at the Institutio Catalana de Recerca i Estudis Avancats and Full Professor (Catedratico) the Pompeu Fabra University (Barcelona) where he is head of the Computational Neuroscience Group and Director of the Center of Brain and Cognition.

He studied Physics at the National University of Rosario (Argentina) where he received his diploma degree in Theoretical Atomic Physics. In 1987, he received his Ph.D. degree in Physics for his thesis on Relativistic Atomic Collisions. In 1987, he was a post doctoral fellow at the University of Bordeaux in France. In the period from 1988 to 1990, he obtained a post doctoral position of the Alexander von Humboldt Foundation at the University of Giessen in Germany. From 1990 to 2003, he has been with the Neural Computing Section at the Siemens Corporate Research Center in Munich, Germany, where he led the Computational Neuroscience Group. In 1997, he obtained his habilitation (maximal academical degree in Germany) in Computer Science (Dr. Rer. Nat. Habil.) at the Technical University of Munich for his thesis on Neural Learning. In 2001, he received his PhD in Psychology (Dr. phil.) for his thesis on Visual Attention at the Ludwig-Maximilian-University of Munich.

He was lecturer at the universities of Rosario, Frankfurt and Munich. Since 1998 he is Associate Professor at the Technical University of Munich and Honorary Professor at the University of Rosario, and since 2001 Invited Lecturer at the Ludwig-Maximilian- University of Munich. Since 2001 he is also McDonnell-Pew Visiting Fellow of the Centre for Cognitive Neuroscience at the University of Oxford. In 2001 he was awarded the international price of Siemens "Inventor of the Year" for his contribution in statistical learning, models of visual perception, and fMRI based diagnosis of neuropsychiatric diseases.

His research interests include computational neuroscience, neuropsychology, psycholinguistics, biological networks, statistical formulation of neural networks, and chaos theory.

He has published 4 books, more than 170 papers in International Journals, 260 papers in International Conferences and 30 book chapters. He has also 52 patents in Europe, USA, Canada and Japan. Recently, he was awarded with the "Advanced ERC" grant.