

Ken Mogi received his PhD in Physics from the University of Tokyo in 1992. He was a researcher at Riken (The Institute for Physical and Chemical Research) from 1992 to 1995, where he joined the team of Prof. Masao Ito. After doing research in Prof. Horace Barlow's laboratory in Cambridge, UK, he joined Sony Computer Science Laboratories founded by Dr Mario Tokoro.

Ken Mogi's ultimate research interest is the scientific elucidation of origin of consciousness. In particular, his research has been focused on the enigma of qualia, ever since he realized that the phenomenology of experience could not be apparently described by the traditional scientific approach. He has written papers and books focused on the subject since then, including *Qualia and Brain* (Nikkei Science), "Response Selectivity, Neuron Doctrine, and **Mach's Principle** in Perception" in "Understanding Representation" (edited by Riegler et al.).

Dr Mogi's recent research interest has focused on the robust handling of uncertainty by the emotion system in the brain, the main issue being how to characterize "contingency" (partly regular and partly random phenomena) in terms of neural activities and mathematical formula. He believes that this particular line of research, combined with that on qualia, would lead finally to the elucidation of the principles of creativity and communication.

Dr Mogi is the host of the TV program "Professionals" on NHK. He conceptualized the Qualia product line from Sony Corporation and has been involved in the production of computer game "Aha! experience" (Sega Corporation).