

CONTACT

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POSITIONS

2001–present Groupleader, FOM-Institute for Atomic and Molecular Physics (AMOLF), Amsterdam.
2009–present Professor, Kavli Institute of NanoScience, Bionanoscience department, Delft University of Technology.
1999–2001 Postdoctoral research fellow, Carlos Bustamante group, University of California at Berkeley.
1999 Postdoctoral research fellow, Cees Dekker group, Delft University of Technology.
1998–1999 I.B.M. Netherlands

EDUCATION

Ph.D. in Physics, Dekker group, Delft University of Technology, 1998, Highest honors, Thesis title: ‘Electron transport in single molecular wires’
M.Sc. in Physics, Mooij group, Delft University of Technology, 1993.
M.Sc. in Applied Physics, Université Jussieu, Paris, 1991.

HIGHLIGHTS

Demonstration of regulatory evolution by natural selection (Cell 2011)
Demonstration of protein folding assisted by metal ions (Nat. Commun. 2011)
Direct observation of Fimbrial switching in single cells (EMBO rep. 2009)
Direct observation of chaperone-induced changes in protein folding (Science 2007)
Direct measurement on a single DNA packaging motor (Nature 2001)
Visualization of potential modulations in carbon nanotubes (Nature 2000)
Visualization of electron wave functions in carbon nanotubes (Science 1999)
Discovery of electron-electron correlations in carbon nanotubes (Nature 1998)
First carbon nanotube transistor (Nature 1998)
First single carbon nanotube wire (Nature 1997)
Observation of carbon nanotube circles (Nature 1997)

AWARDS AND FELLOWSHIPS

VICI grant, NWO, 2012
VIDI grant, NWO, 2005
TALENT scholarship, NWO, 2000
Else Kooi prize 1998