

## VINOD SUBRAMANIAM, PH.D.

### CURRENT AFFILIATION

President and Chair of the Executive Board, Professor of Biophysics, University of Twente, Enschede, The Netherlands  
September 2021 –

Chair of the 4TU.Federation, the alliance of the four universities of technology in the Netherlands  
March 2022 –

Chair, national advisory committee on Diversity and Inclusion in Higher Education (DIHOO), [www.dihoo.eu](http://www.dihoo.eu) (EN);  
[www.dihoo.nl](http://www.dihoo.nl) (NL)  
October 2020 –

Council member, Advisory council for science, technology and innovation (AWTI), [www.awti.nl](http://www.awti.nl)  
December 2022 –

### PAST POSITIONS

Rector Magnificus and member of the Executive Board, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands  
September 2015 – August 2021

Member of the Board of the Association of Universities in the Netherlands (VSNU, now UNL), January 2020 – August 2021  
Chair Education & Research Steering Group (SOO) and Vice-President VSNU, January - August 2021

Director, FOM Institute AMOLF, Amsterdam, The Netherlands  
Group Leader, Nanoscale Biophysics  
September 2013 – August 2015

Scientific Director, MIRA Institute for Biomedical Technology and Technical Medicine (May 2012 – August 2013)  
Professor and Chair, Nanobiophysics, University of Twente, Enschede, The Netherlands  
February 2004 – August 2013

Senior Research Scientist, Advanced Science & Technology Lab, Global Enabling Science and Technology, AstraZeneca,  
Loughborough, UK  
February 2002 – February 2004

Staff Scientist and Group Leader, Department of Molecular Biology, Max Planck Institute for Biophysical Chemistry,  
Göttingen, Germany  
September 1999 – February 2002

### POSTDOCTORAL TRAINING

With Dr. Thomas M. Jovin, MD  
Department of Molecular Biology, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany  
September 1996 – August 1999  
Human Frontiers Science Program Postdoctoral Fellowship

### EDUCATION

Ph.D. in Applied Physics, August 1996  
Thesis: “Application of Time-Resolved Tryptophan Phosphorescence Spectroscopy to Protein Folding Studies” with  
Professor Duncan G. Steel, Physics and Professor Ari Gafni, Biological Chemistry  
Master of Science [Applied Physics], December 1992  
Master of Science in Engineering [Electrical Engineering], May 1992  
University of Michigan, Ann Arbor, Michigan, USA

Bachelor of Science with Distinction, May 1989  
School of Electrical Engineering  
Cornell University, Ithaca, New York, USA

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### SELECTED PROFESSIONAL AWARDS & HONORS

- Elected Fellow of the Netherlands Academy of Engineering, November 2023
- Elected member of the Netherlands Academy of Technology and Innovation (AcTI), 2019
- Zukunftskolleg Lecture, University of Konstanz, 2018
- Elected member of the Royal Holland Society of Sciences and Humanities (Koninklijke Hollandsche Maatschappij der Wetenschappen), 2016
- Appointed as Senior Fellow and Guest Professor of the Zukunftskolleg, University of Konstanz, Konstanz, Germany, and Distinguished Research Fellow of the Konstanz Research School Chemical Biology, 2011
- Appointed extraordinary professor in Nanoscale Imaging, Faculty of Medical Sciences, Radboud University, Nijmegen, The Netherlands, 2011-2014
- Appointed Adjunct Professor, School of Natural Sciences, Tata Institute of Fundamental Research, Mumbai, India, 2010
- Appointed Adjunct Professor, International Center for Materials Science, Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore, India, 2009-2011
- Awarded 2003 Young Fluorescence Investigator Award, Biophysical Society

### ACADEMIC AWARDS & FELLOWSHIPS

- awarded Director's Fellowship, Los Alamos National Laboratory, 1999 (declined)
- Human Frontier Science Program long-term fellowship, 1997
- awarded Alexander von Humboldt Research Fellowship, 1997 (declined)
- Max Planck Society Postdoctoral Fellowship, 1996
- University of Michigan College of Engineering Distinguished Achievement Award, 1996
- University of Michigan Rackham Dissertation Grant for Research Expenses, 1995
- Biophysical Society 1995 Student Research Achievement Award for best poster presentation by a graduate student at the Annual meeting
- National Science Foundation Center for Ultrafast Optical Sciences Fellow, 1991-1994
- University of Michigan Applied Physics Program Merit Fellowship, 1989-1990
- NCR / Electrical Engineering Faculty Award of Excellence, Cornell University, 1987
- Watumull Foundation Scholarship, 1988
- Cornell University Full Tuition Merit Scholarship, 1985-1989
- Dean's List, College of Engineering, Cornell University, 1985-1989
- Hirsch Summer Scholarship for Archaeology Fieldwork, 1986
- Tau Beta Pi Engineering Honor Society; Eta Kappa Nu Electrical Engineering Honor Society; Golden Key Honor Society; Phi Kappa Phi Honor Society – all at Cornell University

### RESEARCH TRACK RECORD

My research interests have focused on protein folding, misfolding, and conformational dynamics studied using a wide range of advanced biophysical probing and imaging tools, which my team often also designed, engineered and developed. We have also explored using nanophotonic tools to manipulate the photophysics of visible fluorescent proteins in collaboration with Willem Vos. Our research has been funded generously by the Netherlands Organisation for Scientific Research (NWO), Dutch funding agencies FOM and STW, national nanotechnology programs NanoNed and NanoNextNL, the European Union, and other institutions.

Before I chose to focus on creating an inspiring academic environment where others could develop themselves to their fullest potential, I had the privilege of supervising ~ 33 PhD students and 18 postdoctoral fellows. My academic publications can be found on my [ORCID](#) page. If you're interested in things like bibliometrics, you can visit my [Google Scholar](#) page with quite respectable numbers, although I'd argue that the true impact comes from educating and training students and scholars.

### PROFESSIONAL SERVICE

I have had leadership roles at the University of Twente, the Vrije Universiteit Amsterdam, and at AMOLF. I have chaired and participated in several university, national and international evaluation committees, and have served FOM, NWO, ERC, the 4TU Federation and the association of Universities of the Netherlands (UNL) in various roles. Prominent recent activities include chairing the evaluation committee of the *Wetenschappelijke Raad voor het Regeringsbeleid (WRR)* (see <https://www.wrr.nl/publicaties/verslag/2023/04/12/ruimte-voor-bezinning> for the report in Dutch), chairing the evaluation committees of the Lorentz Center in Leiden (2018 and 2024), participating in the KNAW committee

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evaluating the Netherlands Code of Conduct for Research Integrity (2024, see <https://www.knaw.nl/publicaties/evaluatie-nederlandse-gedragcode-wetenschappelijke-integriteit>) and in the KNAW advisory committee on the Value of Science (2023, *Waarde van Wetenschap – Observeren, weten en meten*, see <https://www.knaw.nl/publicaties/waarde-van-wetenschap-observeren-weten-en-meten>).

I have also served on the editorial boards of journals, serve as an ad hoc reviewer for a wide range of scientific journals and grant funding organizations, as institutional reviewer, and have served as external thesis evaluator nationally and internationally. I have also served on several conference organizing and program committees.

### ANCILLARY FUNCTIONS – CURRENT

Member advisory board, NUFFIC, 2023-  
Council member, Advisory council for science, technology and innovation (AWTI), 2022-  
Chair, 4TU Federation, 2022-  
Member, Palace Committee, Royal Palace Amsterdam, 2022-  
Member, Supervisory Board, Centrum voor Veiligheid en Digitalisering, 2022-  
Board member, ECHO Foundation Center for Diversity Policy, 2021-  
Member, Scientific Advisory Board, Zukunftskolleg, University of Konstanz, Germany, 2021-  
Member, Excellence Strategy Advisory Board, University of Konstanz, Germany, 2021-  
Member, Twente Board, 2021-  
Member, Supervisory Board, PhotonDelta, 2021-  
Chair, Founders Novel-T, 2021-  
Chair, Advisory Board Leiden Institute of Physics (LION)  
Chair, national advisory committee on Diversity and Inclusion in Higher Education (DIHOO), 10/2020 –  
Member, Supervisory Board, Het Concertgebouw N. V., Amsterdam, 6/2021 - present

### RELEVANT PAST ANCILLARY FUNCTIONS

Member, KNAW evaluation committee National Code of Conduct Scientific Integrity, 2023-24;  
<https://www.knaw.nl/publicaties/evaluatie-nederlandse-gedragcode-wetenschappelijke-integriteit>  
Parent Member, Supervisory Board, British School of Amsterdam, 2/2020 – 2/2024  
Chair, evaluation committee Wetenschappelijke Raad voor het Regeringsbeleid (WRR), 2022-23  
Chair and member, Supervisory Board, Rijksakademie van beeldende kunsten, till April 2023  
Member, KNAW committee “Waarde van Wetenschap” 2022-23; <https://www.knaw.nl/publicaties/waarde-van-wetenschap-observeren-weten-en-meten>  
Independent Chair, Selection committee, NWO Women in Science Excel (WISE) program, 2016, 2017, 2019  
Founding Chair, Platform Universitaire Natuurkunde (PUN), 2012-2013  
Chairperson, FOM Working Committee Fysica van Leven (Physics of Life Processes), 2009-2013  
Member, FOM Working Committee Fysica van Leven (Physics of Life Processes), 2006-2008  
Member of Executive Board, NWO Chemical Sciences Workgroup “Biomolecular Chemistry”  
Member, FOM/v Committee (Women in Physics), 2006 - 2015  
Member of Physics Advisory Board, Lorentz Center, Leiden, 2011-2015  
Cochair of Nanomedicine Theme Workshop, National Nanotechnology Initiative, September 2007; invited participant in NNI themes Functional Nanoparticles and Surfaces, and Toxicology and Risk Assessment  
Program leader, Nanoscale Biomolecular Interactions in Disease in Nanomedicine theme, NanoNextNL; 2009  
Chairperson working group on “Optics and Acoustics”, NWO Initiative on New Instrumentation for Healthcare  
Member of the Theme Committee for NWO Initiative on New Instrumentation for Healthcare  
Member of the Program Committee for the Foundation for the Fundamental Study of Matter (FOM) Program “New Physical Instrumentation for Healthcare”  
Member of the Executive Board, Netherlands Association for Microscopy/Nederlandse Vereniging voor Microscopie  
Chairman of the midterm evaluation committee for BSIK project BIOMADE Technology Foundation  
Member, NWO Physics VIDI award jury, 2005; Member, NWO Chemistry VIDI award jury, 2008, 2009, 2010; Member NWO Nano Jury 2010; Member NWO VICI Jury 2012, 2013, 2014  
Member LS1 panel for ERC Consolidator Grant 2013, 2015, 2017, 2019  
Member of the Self-evaluation committee of the Donders Institute for Brain, Cognition, and Behaviour, Radboud University, Nijmegen, 2010  
Member NVAO evaluation committee TUDelft/Erasmus MC Bachelor degree Nanobiology, 2012  
Member NVAO evaluation committee TUDelft/Erasmus MC Masters degree Nanobiology, 2015