**Thorsten WOHLAND**

**Departments of Biological Sciences and Chemistry**

**National University of Singapore (NUS)**

**14 Science Drive 4**

**117557 Singapore**

**Tel.: +65 65161248, E-mail:** **twohland@nus.edu.sg**

**EDUCATIONAL QUALIFICATIONS**

1997-2000: Department of Chemistry, École Polytechnique Fédéral de Lausanne (EPFL, Swiss Federal Institute of Technology), Switzerland, Dr. ès sc. in Biophysics (equiv. PhD)

1994-1995: European Molecular Biology Laboratory (EMBL) Heidelberg, Diploma thesis in Physics

1992-1995: Department of Physics and Astronomy, University of Heidelberg, Diploma in Physics

1989-1991: Department of Physics, Technical University of Darmstadt, Pre-Diploma in Physics

**PROFESSIONAL EXPERIENCE**

Since 2016: Professor, Depts. of Biol. Sci. and Chemistry, National University of Singapore

2012-2015: Associate Professor, Depts. of Biol. Sci. and Chemistry, National University of Singapore

06-12/2009: Sabbatical at the European Molecular Biology Laboratory (EMBL) Heidelberg, Germany

since 2008: Associate Professor, Department of Chemistry, National University of Singapore

2002-2008: Assistant Professor, Department of Chemistry, National University of Singapore

2000-2002: Postdoctoral Fellow, Department of Chemistry, Stanford University, USA

1996-1997: Research Scientist, Institute of Inhalation Biology, GSF-Research Center for Environment and Health, Neuherberg, Germany (performed during national service)

**RESPONSIBILITIES**

since 2020: Director for the Centre for Bioimaging Sciences (CBIS)

since 2018: Vice-Dean for Research, Faculty of Science

2014-2018: Assistant Dean for Research and Graduate Studies, Faculty of Science

2012-2020: Associate Director for the Centre for Bioimaging Sciences (CBIS)

**RESEARCH INTEREST**

Development of fluorescence spectroscopy tools, single molecule detection and bioimaging

Advances in data analysis for fluorescence microscopy/spectroscopy, including machine learning

Application of fluorescence spectroscopy for in vitro and in vivo measurements of biological samples (morphogen dynamics in vivo; cell membranes, membrane proteins and peptide membrane interactions; biofilms; viral dynamics)

**AWARDS**

2009/10: NGS Teaching Commendation Award

2009: Outstanding Scientist Award, Faculty of Science, NUS

2009: Alexander von Humboldt Fellowship for experienced researchers

2000: Postdoctoral scholarship of the Swiss National Foundation

1999: NATO Travel Scholarship

**RESEARCHER ID, WEB OF SCIENCE:** H-8285-2012

**ORCID**: 0000-0002-0148-4321