

Curriculum vitae

Name: Staffan Kjelleberg

Title: Distinguished University Professor

Mailing address: 60 Nanyang Drive, SBS-01N-27, Singapore 637551

Email: laskjelleberg@ntu.edu.sg

Contact number: +65 9877 6312



Current positions:

2021–present: Technical-Director, Marine Climate Change Science program, Singapore

2019–present: Director, Singapore National Biofilm Consortium (SNBC), Singapore

2019–present: Distinguished University Professor, Nanyang Technological University (NTU), Singapore

2011–present: Director, Singapore Centre for Environmental Life Sciences Engineering (SCELSE), Singapore

2012–present: Professor, School of Biological Sciences, Nanyang Technological University (SBS, NTU), Singapore

Previous positions:

2015-2021: Deputy Director, Marine Science R&D Program (MSRDP), Singapore

2008-2011: Co-Director, Advanced Environmental Biotechnology Centre (AEBC), University of New South Wales (UNSW), Australia/NTU, Singapore

2003–2014: Scientia Professor, UNSW, Australia

1999–2006: Research Director, BioSignal Pty Ltd

1998–2000: Head of School, Biotechnology and Biomolecular Sciences, UNSW, Australia

1994-2015: Co-Director, Centre for Marine Bio-Innovation, UNSW, Australia

2018–present: Honorary Professor, School of Biological, Earth Environmental Sciences, UNSW, Australia

1994–2018: Professor, School of Biotechnology and Biomolecular Sciences, UNSW, Australia

1987–1993: Professor/Chairman Department of General Marine Microbiology, University of Göteborg, Sweden

1983–1986: Researcher Swedish Natural Science Research Council, U. Göteborg, Sweden

1981–1982: Research Fellow School of Microbiology and Immunology, UNSW, Australia

1975–1980: Assistant Lecturer/ Research Associate School of Microbiology, University of Göteborg, Sweden

Academic qualifications:

1983 Docent (Microbiology) University of Göteborg

1981 PhD (Microbiology) University of Göteborg

1975 BSc (Chemistry and Biology) University of Göteborg, Sweden

Research interests:

Prof. Kjelleberg is internationally renowned for his research into microbial biofilm and microbiomes for environmental, engineering, and public health applications, for addressing natural and urban ecosystem stability and sustainability. His research programs focus on the role of ecologically relevant complex microbial communities that form the default biofilm mode of life and are integral across all ecosystems. Kjelleberg takes an interdisciplinary

approach that focuses on overall community structure, function and performance of microbial biofilms. This includes unravelling mechanisms of their communication, micro-ecological interactions, matrix-based biofilm emergent properties, and association with higher organisms. Commonalities in biofilm biology underpin a broad-based translational research approach involving a targeted strategy for developing biofilm-based enhancing or disruptive technologies. Moreover, this approach delivers efficient means for harnessing and controlling the complex functions performed by microbial communities that are needed to sustainably address global challenges.

Metrics (February 2022):

H-index: 98 (ISI)/126 (GS); >384 Journal Papers; Citations 33,560 (ISI)/54,865 (GS).

Funding (since 2000):

Kjelleberg has secured SG\$240 M (€176 M) in competitive research grant funding over the last two decades.

Patents:

Career-wide, Kjelleberg has 17 international patents.