

**Curriculum vitae for Thomas Bjarnsholt** Date of birth: 4 February 1975. Wergelands Alle 31, 2860 Søborg. Married with 2 children.

**Education and academic degrees:** **cand.polyt.** (MSc) (Chemistry, 2001) and **PhD** (“Experimental investigation of quorum sensing and biofilms of *Pseudomonas aeruginosa* in relation to lung infection in cystic fibrosis patients”, 2005), both at the Technical University of Denmark. **Doctor of Medicine** “The Role of Bacterial Biofilms in Chronic Infections”, Faculty of Health and Medical Sciences, University of Copenhagen, June 4<sup>th</sup> 2013

**Employment:**

2014 - :Head of Molecular Diagnostic Laboratory at Copenhagen University Hospital (RH), Department of Clinical Microbiology(KMA) and Professor at the University of Copenhagen SUND (KU-SUND)

**Research output:** 118 scientific publications (published or In Press) from 2005 to present in peer-reviewed international journals and books, 5 patent applications and 9 popular science publications. 33 of the 111 scientific publications are based on international collaborations. Web-of-Science indexed publications are currently cited >3800 times, (2014> 800 times) H-index 35

**Funding:**

2007-2009 - The implication of bacterial biofilms in chronic infections. Supported by: The Lundbeck Foundation: DKK 465,096, and the Carlsberg Foundation: DKK 1,058,360

2010-2016 - Immuno antibody IgY to *Pseudomonas aeruginosa* clinical trial for cystic fibrosis therapy (IMPACTT). Supported by FP7-HEALTH. As a partner, I receive EUR 348,000 (total budget: EUR 5,876,724)

2010-2011- Proof of Concept funding for compound against biofilm in chronic wounds: Joint Proof of Concept Fund: DKK 1,535,280

2010-2011- Development of online PhD and MSc course on “Biofilms in chronic infections”: The Dean of KU-SUND (Ulla Wewer) and PhD Secretariat KU-SUND DKK 185,000

2012-2014- The prevalence of implant-associated biofilm infections in patients who have died of other causes. Supported by The Lundbeck Foundation: DKK 1,000,000, SUND-KU DKK 500,000 and the Capital Region Research Foundation for Health Research DKK 1,500,000

2011- Medical biofilm research. Supported by Gerda og Aage Haensch’s Fond: DKK 275,000

2012- 3D spatial structure in multicellular systems: self-assembly, implications and optimization. Supported by Human Frontier Science Project USD 300,000 (total budget USD 1,200,000)

2013-2017 – Lundbeckfonden Junior Group Leader Fellowship: ”Paradigm lost – Chronic infections take the place of acute infections.”, DKK 10,000,000 + DKK 2x500,000 co-financing by the Faculty of Health Sciences

2014-2015 Confocal Laser Scanning Microscope for live cell imaging. Supported by The Lundbeck Foundation: DKK 3,297,904

Total funding: DKK 25,591,699 as PI

**Contract research projects:**The recent years I attracted several contract based projects within both development and testing of current anti-biofilm strategies as well as new drug related devices. I have had and have contract with the following companies: Novo Nordisk A/S, Aspen Medical Europe, Coloplast A/S: Total contract funding ≈ 11 DKK mill

**Awards:** European Society for Clinical Microbiology and Infectious Diseases (ESCMID) Young Investigator Award 2013

**Administrative functions:**

2010- Founder and organizer of the Danish Biofilm Workgroup – part of the Danish Society of Clinical Microbiology

2013 – Co-Founder and advisory board of the “Biofilm Test Facility”  
(<http://biofilmtestfacility.ku.dk/>)

2011- Executive board member (Treasurer) of the Danish Society of Microbiology (DMS)

2014 - Executive board member of the Danish Pasteur Society

2012- Chairman of the ESCMID Study Group for Biofilms

2013- Member of the Council of the Department for International Health, Immunology and Microbiology

2014 – Member of the steering committee of the Copenhagen Microbiology Center

2011 Main organizer and scientific secretary of the 2nd EuroBiofilm Conference, Copenhagen,

2012 Member of the organizing committee of the ASM Biofilm Conference

2013 Member of the organizing committee of the 3<sup>rd</sup> EuroBiofilm Conference, Gent Belgium

2014-2016 Member of the organizing committee of the European Cystic Fibrosis Conference

2013- Series Editor on the Springer Series on Biofilms

**International science-related activities:**

Invited guest lecturer at 32 international scientific meetings

Guest Editor in Chief of Thematic Issue of Eurobiofilms 2011 and 2013, by FEMS Immunology & Medical Microbiology now Pathogens and Disease

External doctoral evaluator - University of Milan (Italy)

Evaluator on 3 PhD theses

Evaluator and referee on International science grant programs

Editor of Microorganisms and FEMS Pathogenesis

Ad-hoc reviewer for many journals within the field

**Supervision:** I am currently supervising 5 and co-supervising 3 PhD students, 3 Master students and 1 bachelor student. In addition I have 2 postdocs, 2 research assistants and a laboratory technician employed. In addition since 2005, I have supervised 20 BSc, 10 MSc and co-supervised (project supervisor) 6 PhD students.

**Work and study abroad:** Herriot-Watt University, Scotland (**8 months, 1999**); Orpheus Island Field Station, Great Barrier Reef, Australia (**3 weeks, 2004**); College of Medicine, University of Iowa, USA (**2 weeks, 2004**), School of Molecular Medical Sciences, University of Nottingham, UK (**2 weeks, 2006**).

**Continuing education:** Training in pedagogy and didactics (UDtU – Uddannelse i Didaktik & Metodik) (2006-2007); Practical antibiotic therapy (2007); Project management (2007); Groupwork in teaching (2007); E-moderator (2010). Ledelsesudvikling at KU, Basisforløb (2013)