

**CURICULUM VITAE – STAFFAN NORMARK****Born:** February 28, 1945

Work address: Microbiology and Tumorbiology Centre, Karolinska Institutet, Stockholm, Sweden.

e-mail: [staffan.normark@mtc.ki.se](mailto:staffan.normark@mtc.ki.se)**Professional preparation:**

1966 Bachelor of Medicine, Umeå Institutet; 1971, Medical Doctor Umeå Universitet

**Academic Appointments:** 1968-1980 Short terms positions as physician in various specializations; 1971-1980 Associate Professor, Medical Microbiology, Department of Microbiology, University of Umeå, Umeå, Sweden; 1974 Visiting Scientist, Centre d'etude nucleaire de Saclay; 1976-1981 Chairman, Department of Microbiology, University of Umeå, Umeå, Sweden; 1980-1989 Professor, Medical Microbiology, Department of Microbiology, University of Umeå, Umeå, Sweden; 1981-1982, Visiting Professor, Department of Microbiology, Stanford University; 1989-1993, Professor and Chairman, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri; 1993-Present Professor, Microbiology and Tumor Biology Center, Karolinska Institutet, Stockholm, Sweden; 1993-1996 Research Professor, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri; 1996-2000 Head Bacteriology, Swedish Institute for Infectious Disease Control; 1999-2005, Executive Director, Swedish Foundation for Strategic Research

**Honors:**

1979 Fernström's Award to Young Scientists for studies on gene amplification; 1983 The Svedberg's Award in Biochemistry for studies on bacterial adhesions; 1984 Axel Hirsch's Award in Bacteriology for studies on  $\beta$ -lactam resistance; 1987-Present Member - Royal Swedish Academy of Sciences; 1988-Present Member - European Molecular Biology Organization; 1988 Invited speaker at the Centenary Symposium of the Pasteur Institute; 1989 American Society for Microbiology Lecturer, New Orleans; 1990 Domagk Award for studies on  $\beta$ -lactamase induction; 1990, Key note speaker at the Sixth Shipley Symposium, Harvard University; 1992, Chairman Gordon Conference on Microbial Toxins and Pathogenesis; 1992 The Göran Gustavsson Award in Medicine; 1993, Key note speaker at the Beckman Symposium, Stanford University; 1994, Rubbo Orator Award, Australian Society for Microbiology; 1994-1996, Adjunct member of the Nobel Committee for Physiology or Medicine; 1994, The Annual Jubilee Award of the Swedish Medical Society; 1995-Present, Member of the Nobel Assembly; 1995, The Lecoqc Price from the French Academy of Sciences; 1996-2001, Bristol-Meyers Squibbs Unrestricted Grant in Infectious Disease; 1996-2001, Member of the Nobel Committee for Physiology or Medicine; 1997, Burrough's-Wellcome Visiting Professorship Award; 1997, Chairman Gordon Conference on Bacterial Adhesion and Signaling; 1997, Osamu Hayaishi Lecture, 17th International Congress of Biochemistry; 1997, American Academy of Microbiology-Member; 1997, Academiae Europaeae-Member; 1998, Fernström's Nordic Award in Medicine; 2000, Member of the Swedish Engineering Academy; 2001, Ed Beachy Visiting Professor, Memphis; 2004, Adjunct member of the Nobel Committee for Medicine or Physiology

**Commission of trust:**

1980-1983, Chairman - Swedish Society for Microbiology; 1982-1987, Member - Swedish Board of Technological Development; 1983-1988, Member - Swedish Medical Research Council, Microbiology section; 1983, Member - UNIDO Selected Committee for the Establishment of The International Centre for Genetic Engineering and Biotechnology; 1994-1997, Member -WHO Special Programme for Research and Training in Tropical Diseases. 1994-1996, Chairman Foundation for Strategic Research Bioscience group; 1996-1998, Vice-Dean for Research, Karolinska Institutet; 2005, Chairman of the Bioengineering steering group at Chalmers; 2003-Present, Member of the VINNOVA evaluation group for VINNVÄXT. Editorial Board, Microbial Pathogenesis; Infection and Immunity; Molecular Microbiology, Journal of Bacteriology, EMBO J, Current Topics in Microbiology; Editor, Infection and Immunity, J. Bacteriology, Science prereviewing board. Evaluator; Center of Excellence programme by the Finnish Academy of Sciences, Center of Excellence programme by the Norwegian Research Council, Advisory Board Max-Planck Institute

for Infection Biology in Berlin, Advisory Board Weatherhall Institute, Oxford University Advisory Board, Evaluator for Centre Grants for Genome Canada, Prize Prix scientifique Joseph Maisin - fundamental biomedical Sciences.

**Entrepreneurial activities:** 1983, Founder Symbicom AB; 1983-1994, Member of the Scientific Board Symbicom AB; 1989-1993, Member of the Monsanto-Washington University evaluation committee, 1993-1998, Member - Scientific Advisory Board for Microcide AB, 1995-2000;1996-1999, Member - Scientific Advisory Board for BioMerièux; 1997 Ad hoc member Scientific Advisory Board Pharmacia&Upjohn; 1997-1999, Member-Scientific Advisory Board for SBL-Vaccine; 1998-Present, Member-Scientific Advisory Board for InterCell; 2000-2003, Scientific advisor GPC Biotech; 2000-2003, Chairman of the board for Innate Pharmaceuticals AB; 2001-2003, Member of the board for InDex Pharmaceuticals AB; 2004-Present, Chairman- Scientific Advisory Board for Innate Pharmaceuticals

**Ten selected publications (out of 239) – Staffan Normark**

Lindberg, F., B. Lund, L. Johansson and **S. Normark**. (1987). Localization of the receptor-binding protein adhesin at the tip of the bacterial pilus. **Nature**: **328**: 84-87.

Borén, T., P. Falk, K.A. Roth, G. Larson, and **S. Normark** (1993). Attachment of *Helicobacter pylori* to human gastric epithelium mediated by blood group antigens. **Science**. **262**:1892-1895.

Zhang JP, Normark S. (1996) Induction of gene expression in Escherichia coli after pilus-mediated adherence. **Science**. **273**:1234-6.

Jacobs C, Frere JM, Normark S. (1997) Cytosolic intermediates for cell wall biosynthesis and degradation control inducible beta-lactam resistance in gram-negative bacteria. **Cell**. **88**:823-32.

Putsep K, Branden CI, Boman HG, and Normark S. (1999). Antibacterial peptide from H. pylori. **Nature**. 1999 398:671-2.

Uhlén P, Laestadius Å, Jahnukainen T, Söderblom T, Bäckhed F, Celsi G, Brismar H, **Normark S**, Aperia A, Richter-Dahlfors A. (2000) Alpha-haemolysin of uropathogenic E. coli induces Ca<sup>2+</sup> oscillations in renal epithelial cells. **Nature** **405**:694-7.

Chapman MR, Robinson LS, Pinkner JS, Roth R, Heuser J, Hammar M, Normark S, Hultgren SJ. (2002) Role of Escherichia coli curli operons in directing amyloid fiber formation. **Science**. **295**:851-5.

Hornef MW, Wick MJ, Rhen M, Normark S. (2002) Bacterial strategies for overcoming host innate and adaptive immune responses. **Nature Immunol**. **3**:1033-40.

Hornef MW, Normark BH, Vandewalle A, **Normark S**. (2003) Intracellular recognition of lipopolysaccharide by toll-like receptor 4 in intestinal epithelial cells. **J Exp Med**. **198**:1225-35

Aspholm-Hurtig M, Dailide G, Lahmann M, Kalia A, Ilver D, Roche N, Vikstrom S, Sjostrom R, Linden S, Backstrom A, Lundberg C, Arnqvist A, Mahdavi J, Nilsson UJ, Velapatino B, Gilman RH, Gerhard M, Alarcon T, Lopez-Brea M, Nakazawa T, Fox JG, Correa P, Dominguez-Bello MG, Perez-Perez GI, Blaser MJ, Normark S, Carlstedt I, Oscarson S, Teneberg S, Berg DE, Boren T. (2004) Functional adaptation of BabA, the H. pylori ABO blood group antigen binding adhesin. **Science** **305**: 519-22.