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Endothelial growth factors in cancer and cardiovascular diseases



The title of the speech

S1P-S1P1 signaling – a critical negative regulator of tip cell formation and angiogenic sprouting.



Christer Betsholtz, New York

Date of Birth: July 11, 1959, Stockholm, Sweden.

Citizenship: Swedish

Present appointment:

2004- Professor of Vascular Biology,
Department of Medical Biochemistry and
Biophysics, Karolinska Institutet, Stockholm

Previous appointments:

1993-2004 Professor of Medical and
Physiological Chemistry, Gothenburg University

1991-1993 Särskild Forskartjänst (level:
Associate Professor), Cancer
Foundation (Swe),

1989-1990 Forskarassistenttjänst (level:
Assistant Professor), Science Council
(Swe)

1986-1988 Cancerforskartjänst (level: Assistant
Professor), Cancer Foundation (Swe)

Education/Academic degrees:

1981 Bachelor of Medicine (Medical School
year 1-3), Uppsala University

1986 Ph.D. Department of Pathology,
University of Uppsala

1987 Docent (Experimental Pathology),
Uppsala University

Commissions of trust (selected):

2008- ERC starting grants evaluator (LS1, LS3), LS3
Chairman 2010-

2005 SAB for the Structural Genomics Consortium,
Stockholm Branch

2003- SAB for IFOM, the FIRC Cancer Center, Milano
(Chairman)

2002- SAB for COE on Dev Biol Res Program, Helsinki

2001-2005 Board member, AngioGenetics AB

2001- SAB AngioGenetics AB (Chairman)
2001-2002 Board Member, Cellartis AB
2000-2009 Cancer Foundation Study Section PkB
Chairman from 2006)
1999-2002 Life Sciences Advisory Group, SSF
(Chairman)
1999-2000 Medical Research Council Study
Section Pk1
Study Section Assoc Intl Cancer Research UK (AICR)

Awards and distinctions:

The Oscar Prize, Uppsala University (1989);
Fernström's Award for young investigators,
Gothenburg University (1995); Göran Gustavsson's
Prize in Molecular Biology (Swe) (1997); The Alkis
Seraphim Lecture, Cambridge University (UK)
(2002); The Lundberg Medal, Lundberg Foundation
(Swe) (2004); Member of Academia Europea (2004-
); Member of EMBO (2004-); Member of the Nobel
Assembly at Karolinska Institute (2006-); Adjunct
member of the Nobel Committee (2007-2010);
Member of the Swedish Royal Academy of Sciences
(class VII) (2007-); Russel Ross Endowed Lecture,
Washington University (US) (2008); Söderberg
Professor of Medicine (Swe) (2009-2013);
Distinguished Professor Award, Karolinska Institutet
2009. Axel Hirsch Prize, Karolinska Institutet 2010;
Del Monte Medal in Neuromedicine, Rochester
University (US) 2010.

Invited speaker

Invited speaker at > 130 international meetings in
the fields of Vascular Biology, Cell Biology, Cancer
Research, Kidney Research and Diabetes Research
during 1990-2011. Keynote speaker on several
recent occasions, including Gordon Research
Conference in Angiogenesis and Microcirculation
2007 and International Vascular Biology Meeting
2008.

Organizer of scientific symposia:

Annual European School of Hematology meetings in
Angiogenesis 2002-2007 (Chair in 2006). Kloster
Seeon Angiogenesis Meeting (Chair) 2008. Novartis
Foundation Symposium on Vascular Development
2006 (Chair).

**PhD supervision 1988- 2010 (main supervisor,
completed PhD theses):**

Margaret Bywater (1988), Fredrik Rorsman (1991),
Lars Christmanson (1994), Milos Pekny
(1994), Per Levéen (1995), Per Lindahl
(1998), Samuel Gebre-Medhin (1998), Linda
Karlsson (2000), Mats Hellström (2000),
Maria Enge (2002), Hans Boström (2003),
Alexandra Abramsson (2003), Per Lindblom
(2003), Cecilia Bondjers (2004), Mattias

Bjarnegård (2005), Liqun He (2007), Elisabet Wallgard (2008), Mattias Kalén (2009), Ying Sun (2010), Maya Nisancioglu (2010), Jenny Norlin (2010).

Post-doctoral fellows:

Marcela Pekna 1994-1996, Silvia Bianconi 1996-1998, Sergio Giuli 1996-1998, Noomi Asker 1999-2001, Arianna Tocchetti 2000-2002, Julia Asp 2003-2004, Patrik Andersson 2003-2004, Holger Gerhardt 2001-2004, Desiree von Tell 2004-2006. Minoru Takemoto 2001-2006, Annika Armulik, 2005-2010, Kazuhiro Hagikura 2008-2010

Current research group:

Postdocs including senior postdocs in the process of developing independence: Johanna Andrae, Guillem Genove, Jennifer Hofmann, Konstantin Gaengel, Maarja Mae, Colin Niaudet, Barbara Lavina, Lars Jacobsson, Lwaki Ebarasi, Miyuki Takayama,

PhD students: Simin Rymo, Radiosa Gallini

Technicians: Sara Kamph, Helene Leksell

Scientific Publications

183 PubMed-listed scientific publication 1982-2011, cited > 16,000 times; h-index 70