

Curriculum Vitae for Lars Bolund

Born: March 20. 1944, Stockholm, Sweden. Danish Citizen: October 31. 1983.
Married to Dorte Bolund. Three children and one stepchild. 9 grandchildren.

Education:

- 1963 Matriculate (studentexamen), Kungsholmens Läroverk, Stockholm, with the highest set of marks in Sweden.
- 1965 Bachelor of Medicine (Med.Kand.) at Karolinska Institutet, Stockholm.
- 1971 Doctorate in Medicine (DMSc; Med.Dr.). The thesis was awarded top mark (Berömlig) and led to immediate appointment as Docent in Medical Cell Research and Genetics at Karolinska Institutet, Stockholm.
- 1976 Graduation in Medicine (MD; Läkarexamen) at Karolinska Institutet, Stockholm.

Supplementary education:

- 1970-1971 General course and examination in Physical Chemistry at the Royal Institute of Technology, Stockholm.
- 18 tutorials and practical research courses in mathematics, medical computing and data handling, quantitative cytochemistry, immunochemistry, cytometry, cell and molecular biology, molecular genetics etc. in Sweden, England, Holland, France, U.S.A. and Denmark.

Positions:

- 01.05.1964-30.04.1965: Amanuensis extraordinary, Institute for Medical Cell Research and Genetics, Karolinska Institutet, Stockholm.
- 01.05.1965-31.03.1971: Third amanuensis, same institute.
- 01.05.1971-31.08.1971: Research assistant, same institute.
- 01.09.1971-30.06.1972: Post-doctoral scientist at Department of Molecular Biology, Chester Beatty Cancer Research Institute, London, on a scholarship from the British Royal Society.
- 01.07.1972-31.01.1974: Employed on a research grant from the Swedish Cancer Society working at Karolinska Institutet, Stockholm, Chester Beatty Cancer Research Institute, London, and Portsmouth Polytechnic.
- 01.02.1974-31.01.1976: Scientist of the Swedish Cancer Society in the field of "Cancer research – in particular cell genetics" at Institute for Medical Cell Research and Genetics, Karolinska Institutet, Stockholm.
- 01.02.1976- Professor of Clinical Genetics, Institute of Human Genetics, Aarhus University.
- 13.01.1984: Lifetime Appointment as Professor by the Queen of Denmark.
- 01.09.1987-30.09.1988: Research Professor of the Aarhus University Research Fund.
- 01.10.1992-31.07.1993: Visiting Professor at Division of Molecular Cytometry, UCSF School of Medicine, San Francisco.
- 01.02.1995-31.01.2001: Leader of Institute of Human Genetics, Aarhus University.
- 01.08.1998-09.09.1999: Senior Advisor, Human Genome Centre, Chinese Academy of Sciences.
- 09.09.1999- Senior Advisor and Adjunct Professor, Beijing Genomics Institute, BGI/HuaDa JiYin.
- 01.04.2001-31.03.2002: Visiting Scholar at Genome Centre, University of Washington, Seattle.
- 09.09.2007- Senior Advisor and Adjunct Professor, BGI/HuaDa JiYin Shenzhen.
- 19.02.2010- Visiting Professor of Wenzhou Medical College.
- 01.05.2011- Adjunct Professor, Institute of Biology, Copenhagen University.

Teaching:1. Pre-graduate:

Since 01.02.1976: Lectures, tutorials and examinations in basic genetics, clinical genetics and medical statistics at the Medical and Odontological School, University of Aarhus.

2. Post-graduate:

Organization of 3 practical research courses in cell genetics and methods of cell biology, and 10 courses in clinical genetics for the National Health Service.

Organization of 2 theoretical and practical courses in molecular and clinical genetics in Beijing, 1988, and function as Senior Advisor for Chinese research students in Beijing and Aarhus in relation to research projects under the Sino-Danish Scientific and Technological Cooperation Programme.

Teaching at a large number of post-graduate courses in Denmark and abroad (including China).

Research supervision:

Supervision of more than 30 pre-graduate researchers, Ph.D. students and doctorate candidates from Medical as well as Natural Science Faculties in Sweden, Denmark, Poland and China (more than 15 Ph.D.-students from China only).

Scientific evaluation:

Chairman/member of numerous evaluation committees regarding Ph.D.-exams, doctorates, research positions and professorships in Denmark, Finland, Norway, Sweden and U.S.A.

Evaluation (since 1983) of research grant applications for the Danish Medical Research Council, Novo's Fund and the European Commission.

Referee for a number of international scientific journals.

Research politics:

Member of the Board of the Danish Society for Medical Genetics (1978-1982) and its chairman (1986-1990).

Member of the Danish Medical Research Council (1983-1987).

Chairman of ad hoc Research Budgetary Committee of the Medical Faculty, Aarhus University (1984).

Chairman of Scientific Evaluation Committee for Institute of Medical Biochemistry, Aarhus University (1986).

Member of the Parliamentary Board of Technology Assessment (1986-1988).

Member of the Danish Council of Gene Technology (1987-1991).

Member of the Danish Council of Ethics (1988-1991).

Member of the Medical Faculty Council, Aarhus University (1988-1992).

Member of the Human Genome Organization (HUGO) since 1988.

Member of the EC Working Party for the Human Genome Analysis Programme and Chairman for a Study Group on Advanced Genetic Technologies (1988-1990).

Member of the EC Committee of Advisory Nature on Human Genome Analysis (CAN-HUG) (1990-1993).

Member of the EC Committee of Advisory Nature on the Biomedical Research Programme (CAN-MED) (1991-1993).

Chairman of the EC Ethical Committee on Human Embryo Research (1991-1993).

Member of EC Field Review on Small Model Genomes in 1994.
Member of the EC CREST ad hoc Working Group Biomedicine and Health (1994-1996).
Member of the Finance Committee and Scientific Advisory Committee of the International Society for Analytical Cytology (ISAC) (1991-1993).
Vice-president of the Permanent Committee of the International Congress of Human Genetics (1991-1996).
Member of the Board of the Danish Cancer Society (1992-2001).
Member of the Executive Committee of the Danish Cancer Society (1993-2001).
Member of the Medical and Natural Science Committee of Novo's Fund (1993-2002).
Member of the Board of James D. Watson Institute of Genome Science and BGI/HuaDa JiYin, Hangzhou, since 2003.
Member of the Board of EFBI (European Focus on Biotechnology in China) since 2003.
Member of the Board of Eagles (European Action for Globalization of Life Sciences) since 2007

Miscellanea:

Scientific Editorial Assistant for Experimental Cell Research, Academic Press, N.Y. (1971-1976).
Pilot Licence (1977).
Swedish Commercial Flight Licence (B-certificate) and Danish Instrument Flight Rating (1981).
Expert on DNA examinations for the Danish Medico-Legal Council since 1989.
Organization of 8 international meetings, symposia and workshops in Scandinavia (1985-).

Clinical activities:

Development of a Division of Clinical Genetics at the Institute of Human Genetics, financed through its diagnostic and counselling services and in 1995 transferred to the national health system with 4 physicians, 20 technicians and a budget of app. 10 million D.Kr.
Genetic counselling of patients and families referred from hospitals and general practitioners in Northern Jutland (1978-1985).

Corporate activities:

Involved in the creation and development of HuaDa JiYin (BGI/HuadaGene) in China 1999-
BGI consists of a central non-profit research unit and a number of spin off companies based on genomics- and other omics-technologies in the fields of health, agriculture, bio-industry etc.
The corporation has about 5000 employees with many branches in China, Europe, Japan, Australia and the Americas. BGI-Europe is centred in Copenhagen, Denmark.
Involved in the creation and development of PixieGene A/S in Denmark 2007-
The company commercializes genetically designed pig models for medical research in academia and industry.
CEO of PixieGene A/S from December 1. 2012.

Publications:

387 scientific articles (including 17 in Cell, Science, and Nature Series), database submissions and patents in the fields of genome/gene structure and function in cell biology and clinical genetics, molecular cell pathology of complex diseases, development of genetically designed animal models of complex disease processes and somatic cell/gene therapy (see separate list of publications).

Special Honours:

- 1979 The Odd Fellow's Research Prize (together with professor A.J.Therkelsen).
- 1987 Research Prize of "The Foundation of 1870".
- 1991 Consul-general Ernst Carlsen's Honorary Prize.
- 1996 The August Krogh Prize. Award of the Danish Medical Society and NOVO's Fund.

- 1998 Honorary Professor of the Chinese Academy of Sciences (Human Genome Center).
- 2003 Honorary Professor of the Chinese Academy of Medical Sciences (Peking Union Medical College).
- 2006 Honorary Professor of Beijing Institute of Genomics, Chinese Academy of Sciences.
- 2008 Honorary Professor of Hainan Medical College.

- 1985 Knight of the Royal Danish Order of Dannebrog.
- 1998 Knight of the 1st class of the Royal Danish Order of Dannebrog.

- 2009 Honoured with the Chinese National Friendship Award in connection with the 60th Anniversary of the People's Republic of China.