

# Prof. Dr. Ian Wilmut

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Name: Ian Wilmut

Date of Birth: July 7, 1944

Present Position: Head of Department, Gene Expression & Development, Roslin Institute, Roslin, Midlothian EH25 9PS, UK

## Qualifications

1967 Upper Second Class Honours Bachelor of Science Degree with specialisation in Animal Physiology, Nottingham University School of Agriculture

1971 PhD, Darwin College, Cambridge ("Deep Freeze Preservation of Boar Semen")

1998 DSc, University of Nottingham

1999 DSc, Northeastern University, Boston, MA, USA

2002 DSC, Edinburgh University

## Prizes and Awards

2002 Fellow, The Royal Society, London

2002 Honorary Fellowship, Royal Medical Society, Edinburgh

2000 Fellow, Royal Society of Edinburgh

1999 OBE, Queen's Birthday Honours

2002 Ernst Schering Prize, Ernst Schering Research Foundation, Berlin

2001 The Scotsman Innovator of the Year Award, Edinburgh

1999 Fellowship, The Academy of Medical Sciences

1999 Sir William Young Award, The Royal Highland & Agricultural Society of Scotland

1999 Research Medal, Royal Agricultural Society of England

1998 Golden Plate Award, Academy of Achievement, USA

1998 Sir John Hammond Memorial Prize, Society for Study of Fertility

1998 The Lord Lloyd of Kilgerran Prize

## Career

2000- Head of Department, Gene Expression & Development, Roslin Institute

2001 Merit Special promotion - Band 2

1981-2000 Principal Investigator (Band 3), AFRC/BBSRC Animal Breeding Research Organisation, Institute of Animal Physiology and Genetics Research, Roslin Institute

Co-leader of the successful project to produce human therapeutic proteins in the milk of transgenic sheep.

Subsequent research has been to develop new methods for the introduction of genetic change into livestock using nuclear transfer. As well as being Head of Department in Roslin Institute, currently serves as Scientific Advisor of Geron Bio-Med. The objectives of the current research are to develop biomedical applications of nuclear transfer procedure. These include the provision of organs for xenotransplantation, the derivation of human cells for therapy and the cloning and modification of animals in agriculture.

1998 Honorary Professor, Division of Biological Sciences, University of Edinburgh

1973-81 Senior Scientific Officer, AFRC Animal Breeding Research Organisation. Research with sheep and pigs identified developmental and physiological causes of prenatal death.

1971-73 MMB post-doctoral Fellowship with Professor EJC Polge FRS and Mr LEA Rowson FRS, ARC Unit of Reproductive Physiology and Biochemistry, Cambridge. During this period methods were developed for the deep freeze storage of mammalian embryos and the first calves were born following the transfer of frozen and thawed embryos.

1967-71 Darwin College, Cambridge, on an MLC Post-graduate Scholarship. While working under the supervision of Professor EJC Polge FRS I completed four years research on the Deep Freeze Preservation of Boar Semen, for which I was awarded the PhD degree.

## Professional Activities

1998- Editor in Chief, Cloning and Stem Cells

1994 President, International Embryo Transfer Society

1991-95 Board Member, International Embryo Transfer Society

1991 Joint Programme Chairman, International Embryo Transfer Society

1991-97 Editorial Board, Journal of Reproduction and Fertility

1988 Programme Secretary, Society for Study of Fertility

1985-90 Committee Member, Society for Study of Fertility

1973-75 Treasurer, Low Temperature Biology Society

- Member, International Review Panels for the National Biotechnology Programme, Ministry of Agriculture in Finland (1994) and the Food for the 21st Century Programme, University of Missouri at Columbia, USA (1995).

- I have examined PhD theses for MacQuarie University, and the University of Adelaide, Australia; University of Kuopio Finland, and University College, Dublin.

- Lectured to graduate students at the University of Edinburgh Department of Obstetrics and Gynaecology,

Institute of Ecology and Resource Management and Department of Tropical and Veterinary Medicine; the University of Liverpool Bovine Reproduction Diploma Course for Veterinary Surgeons, and undergraduate students at University of Edinburgh Institute of Ecology and Resource Management, University of Abertay, University of Wales and Scottish Agricultural College and veterinary students at the University of Bari, Italy.

- I have supervised seven students who have been awarded PhD degrees and have three post-graduate students at present.