



Lluís Montoliu José (Barcelona, 1963),

Graduate (M.Sc.) in Biological Sciences (University of Barcelona, 1981-1986)

PhD in Biological Sciences, "Molecular Genetics" (University of Barcelona, 1987-1990)

PhD work on Plant Molecular Genetics, in the Centre of Research and Development (CID-CSIC, Barcelona) under the supervision of Prof. Pere Puigdomènech and Dr. Joan Rigau. During his PhD he described a group of new maize genes with tissue-specific expression, whose regulatory elements were used for the generation of the first transgenic plants made in Spain with potential agro-economical interest.

Since 1991 he has been working in several scientific projects within the field of Animal Transgenesis.

Postdoctoral positions:

1991-1995 Laboratory of Prof. Günther Schütz, at the German Cancer Research Centre (D.K.F.Z, Heidelberg, Germany). In this period he contributed to the pioneer generation of transgenic animals with yeast artificial chromosomes, the identification of the locus control region (LCR) in the mouse tyrosinase gene and the analysis of visual abnormalities associated with albinism.

1995-1996 Laboratory of Prof. Fàtima Bosch, at the Autonomous University of Barcelona (UAB, Barcelona). In this period he contributed to develop several transgenic animal models to study new gene therapy strategies for diabetes.

In 1996 he obtained a position as Tenured Scientist at CSIC (Consejo Superior de Investigaciones Científicas).

In 1997 he started at the Centro Nacional de Biotecnología (CNB-CSIC, Madrid) as a group leader.

In 2005 he was promoted to a position of Research Scientist at CSIC.

From 2004 to 2006 was Chair of the Department of Molecular and Cellular Biology at CNB.

At the CNB he leads a research team mainly interested to understand the mechanisms controlling gene expression in mammals, and how insulators contribute to the functional and structural organisation of mammalian genomes, using genetically modified animals (transgenic mice). They also investigate the function of specific genes in the development of the retina in mammals, through the study of visual abnormalities associated to albinism. In addition, his group has generated several transgenic and knockout mice, as animal models to study human diseases such albinism, schizophrenia and Alzheimer.

National coordinator of the working group on "Transgenesis in Mammals", (1999-2008) organized within the Spanish Society of Biochemistry and Molecular Biology (SEBBM) (<http://www.cnb.csic.es/~transimp/>).

Coordinator of the Spanish node of the European Project EMMA (*European Mouse Mutant Archive*) (<http://www.emmanet.org>) since 2008.

Founder and current President of the International Society for Transgenic Technologies (ISTT) (<http://www.transtechsociety.org>) since 2006.

Honorary Professor of the Autonomous University of Madrid since 1998, as a coordinator of the annual postgraduate course/Master on "Genetic modification in mammals".

Member of the CIBER-ER (Network Research Centre on Rare Diseases) <http://www.ciberer.es> since 2007.

Member of the Editorial Board in *Transgenic Research* since 2000.

Member of the CSIC Bioethics Commission since 2006

He has authored or contributed in more than 100 scientific articles, book chapters, reviews, reports on popular science, etc... He has organized, participated and attended several congresses, courses, seminars, workshops and symposiums on Animal Transgenesis, animal models to study human diseases, biotechnological applications of genetically modified animals, stem cells, cloning and bioethics.

More information available at: <http://www.cnb.csic.es/~montoliu/>

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