

CURRICULUM VITAE

Name: Puigdomènech Rosell, Pere

Nationality: Spanish

Date of Birth: 28/04/1948

Married, one son, one daughter

Education: Licenciado en Ciencias Físicas, University of Barcelona. Doctor en Ciencias Biológicas, Autonomous University of Barcelona

Dates, Degrees, College Name(s):

Licenciado en Ciencias Físicas, Univ. de Barcelona, 1970

Thèse de l'Université, mention Chimie Physique. USTL. Montpellier. France. 1974

Doctor en Ciencias Biológicas, Univ. Autónoma de Barcelona, 1975

Current Position:

Profesor de Investigación. CSIC

Director. Centre of Research in Agricultural Genomics. Consorcio CSIC-IRTA-UAB

Coordinator. Consolider project (CSIC, IRTA, UAB, UB, UdL) on genomics of agricultural application.

Coordinator. Melonomics Project. Project funded by Fundación Genoma España, industries and regional governments for the sequence of the melon genome and development of other genomic tools in this species.

Former Positions:

Postgraduate student. CNRS, Montpellier

Postdoctoral fellow. Biophysics Unit. Portsmouth Polytechnic

Profesor Adjunto, Departamento de Bioquímica. Univ. Autónoma de Barcelona

Research Associate. Max-Planck-Institut für Molekulare Genetik, Berlin

Colaborador científico. CSIC. Instituto de Biología de Barcelona.

Investigador científico. CSIC. Centro de Investigación y Desarrollo. Barcelona

Vice-Director of Centro de Investigación y Desarrollo, CSIC (1986-1992)

Director of Centro de Investigación y Desarrollo, CSIC (1992-1998)

Director of Instituto de Biología Molecular de Barcelona, CSIC (1998-2002)

Summary:

Main field of research: Plant Molecular Biology. Published 175 scientific articles in refereed journals and books (examples in the accompanying list of publications), 2 patents, 350 articles in Spanish and international journals (including Nature) and five books on science vulgarisation and Spanish science

policy, 18 Ph.D. thesis supervised. Research grants held since 1982 and European research grants since 1986, Organisation of Courses and Congresses on Molecular Biology and on Plant Molecular Biology (examples included below).

First plant sequence published in Spain

Participation in the sequencing of the first plant genome in the Arabidopsis European Consortium

Coordinator of the first eukaryotic genome sequence in Spain (Melonomics project)

Chairman of the Ethics Committee, CSIC. 2008-

International Grants Awarded

- European Scientists Sequencing Arabidopsis. BIOTECH. EU. 1993-96.
- Molecular mechanisms in maize embryogenesis. Human Capital and Mobility. EU. 1994-96.
- Molecular characterization of plant cell wall components. Joint project with Complex Carbohydrate Research Center, Athens, Georgia, USA. Funded by NATO. 1993-94.
- Purificación y caracterización molecular de la tanasa de hongos y transferencia a plantas. Convenio CSIC-CONACYT (México). 1995.
- Genomic Sequencing of Arabidopsis thaliana. 1996-98. BIOTECH. EU.
- Genetic analysis and engineering of aluminum tolerance in maize and in model plants. 1996-99. INCO-DC. EU. Project coordinator
- Genetic and molecular dissection of early zygotic embryo development in maize. 1996-99. BIOTECH. EU
- Manipulation of the lipid composition and physical state of plant membranes for improving tolerance to temperature stress. 1997-99. EU. INCO-Copernicus
- Quality improvement of sugarcane fibres for their use as raw material in the production of paper and animal feed. 1997-2000. EU. INCO
- Transposon mutagenesis in rice for the identification of agronomically important genes in cereals. 1997-2000. EU. BIOTECH.
- Map-based cloning of agronomically important genes directly from Zea Mays. 1997-2000. EU. BIOTECH
- EU Sequencing of Arabidopsis chromosome 3. 1998-2000. EU. BIOTECH
- Comparación genética y modulación génica de proteínas de pared celular de dos especies de prosopis: Prosopis chilensis y Prosopis tamarugo. CSIC/Universidad de Chile. 1999-2000
- Changing maize grain development to provide lines better adapted to the European agricultural and commercial environment. EU. Quality of Life. 2000-2003.
- Integrated control of polysacchride and lignin biosynthesis to improve cellulose content, availability and fibre quality. EU. Quality of Life. 2000-2003.
- New technology in food sciences facing the multiplicity of new released GMO. EU. Growth. 2000-2003.
- Maize for sustainable cropping systems on tropical acid soils. From molecular biology to field cultivation. EU. INCO. 2000-2003.
- Tagging of Rice Genes for Use in Cereals. EU. Genomics. 2001-2003

Course and Congress Organisation

"Chromosomal Proteins and Gene Expression". NATO ASI. Sitges, September 17-26. 1984.

"Eukaryotic gene regulation *in vivo* and *in vitro*". EMBO Workshop. Blanes. September-October 1st. 1986.

Course on "Approaches to Plant Development". Fundación Juan March. Madrid. February 1990.

"Eucarpia Symposium on Genetic Manipulation in Plant Breeding". Reus. May 1991.

"International Plant Molecular Biology Congress". Tucson. Arizona. October 1991. Member of Scientific Advisory Committee.

"International Cell Biology Congress". Madrid 1992. Member of the Organizing Committee.

Workshop on "The Past and the Future of Zea Mays". Fundación Juan March. Madrid. 11-13 May, 1992

"Plant Molecular Biology. Molecular-Genetic Analysis of Plant Metabolism and Development". NATO ASI. Cala Vinyes, Mallorca. May 10-19. 1993.

"Applications of Plant Biotechnology in the context of EU research programmes". Barcelona, October 27-28. 1995.

Annual Symposium of Academia Europaea. June 1996.

FEBS 96. 24 Congress of the European Federation of Biochemical Societies. Barcelona, June 1996. Member of the Organising Committee.

Vth Plant Embryogenesis Workshop. 2nd EPEN meeting. Barcelona November 1998.

"Transgènics animals i vegetals". Els Cursos del Museu. Museu de la Ciència. Barcelona. March 2000

"La Genòmica". Els Cursos del Museu. Museu de la Ciència. Barcelona. March 2001

7th Congress of the International Society of Plant Molecular Biology. Barcelona 2003. Co-Chairman.

Other Activities:

Member of Academia Europaea

Member of EMBO

Member of Institut d'Estudis Catalans

Member of the Royal Academy of Sciences and Arts of Barcelona.

Member (foreign) of Académie d'Agriculture de France

Narcís Monturiol Medal (1993)

Prize of the "Fundación Catalana per a la Recerca" (2000)

Member of the EU-US Consultative Group on Biotechnology (2000)

Member of the High Level Expert Group on Biology and Society, European Science Foundation (2000)

Member of the Scientific Steering Committee. DG Sanco. European Union, 2000-2003

Member of the Panel on Genetically Modified Organisms. EFSA. 2003-2006

Member of the European Group on Ethics of Sciences and New Technologies.
Presidency of the European Commission. 2001-2005; 2005-2009
Member of the Bioethics Committee, CSIC. 2002-2008
Member of the Spanish Committees on Biosafety (2000-) and on TSEs (2001-2002)
Member of the Scientific Committee. Life Sciences Department. CNRS. 2004-
Member of the Advisory Committee, Genoplante. France. 2005-2008
Member of the Biotechnology Panel. European Research Council. 2008-
President of the Societat Catalana de Biologia (1999-2003)
Member of the Board. European Plant Science Organization (EPSO) 2005-
Member of Ph.D. committees of the Universities of: Barcelona, Aut3noma de Barcelona, Aut3noma de Madrid, Valencia, Polit3cnica de Valencia, C3rdoba, M3laga, Salamanca, Orsay, Paris VI, Strasbourg, Orl3ans, Perpignan, Montpellier, Toulouse, Neuch3tel, Gent, Milano, Oxford
Member of scientific evaluating committees of different INRA and CNRS Unities and Departments
Member of editorial or advisory board of The Plant Journal, Plant Physiology and Biochemistry, Plant Biosystems and Plant Cell Reports
Evaluation of projects from Spain, Portugal, France, the Netherlands, United Kingdom, Finland and USA.