

## **LUCA FERRETTI – Curriculum Vitae**

Born in Bergamo, Italy, on november 22nd 1957.

### **DEGREES**

Bachelor in Biological Sciences in 1980 at the University of Pavia.

PhD in Genetic Sciences in 1987 at the University of Pavia.

### **PROFESSIONAL EXPERIENCE AND ACADEMIC POSITION**

1983 – 1984. Post Doctoral Associate in the laboratory of H.G. Khorana at MIT, Cambridge, USA.

1985 – 1998. Research Scientist of the Italian National Council of Research (CNR) at the Institute for the Defense and Management of Animal Germplasm (IDVGA), Milano, Italy.

1998 – 2013. Associate Professor of Genetics at the Faculty of Sciences, University of Pavia.

December 2013 – current. Full Professor of Genetics at the Faculty of Sciences, University of Pavia

### **RESEARCH MANAGEMENT, APPOINTMENTS, REFERRALS**

Reviewer of papers for: Gene, Mammalian Genome, Genetics Selection and Evolution, Animal Genetics, Journal of Virology, LiveStock Science, Cytogenetic and Genome Research, BMC Genetics, BMC Genomics, PLOS One.

1991 - 1998. Member of the Scientific Board of the CNR IDVGA, Milano, Italy

1998 – 2004. Referee of project proposals on behalf of the Israel Science Foundation (N.153/98-17.2) and DEFRA (Department for Environment, Food & Rural Affairs) UK (N. ZK0409)

1998 – current. Member of the PhD Programme in Genetic and Biomolecular Sciences of the University of Pavia, and later of the PhD Programme in Genetics, Molecular and Cellular Biology

2003 - 2010. Member of the board of experts of the Italian Ministry for Research and University for PRIN and FIRB grants reviewing

2004 – 2007. Member of the Scientific and Technical Board of the Intedipartimental Center for Computing, Faculty of Science, University of Pavia.

2004 – current. Member and later Director (2008) of the Board of the Laboratory of Experimental Biology, University of Pavia

2013 – current. Coordinator of the Bachelor Programme in Biotechnology, University of Pavia

2013 – current. Member of the board of SAFD, the Higher Education School for Doctoral Formation of the University of Pavia.

## GRANTS HISTORY

Coordinator of research units in the following projects:

CNR Finalized Project R.A.I.S.A. between 1990 - 1995.

UE Bovine Genome Mapping Project, BOVMAP (BI02 CT92 0359).

UE biodiversity project "Analysis of genetic diversity in cattle to preserve future breeding options" (AIR3 CT94-2066).

"Study on marker genes affecting growth traits of beef cattle" in collaboration with the Institute of Animal Sciences (CAAS), Beijing, under a cooperation treaty between the Italian Committee for Agricultural Sciences and the Chinese CAAS.

UE programme MASSES, FAIR5 CT97-3311

UE project COMRAD, BIO4-98-0277

CNR Strategic Project "Bovine Spongiform Encephalopathy" (grant N. 00.00252.ST74).

PRIN 2000 project (national coordinator) contract MM07225558.

PRIN 2001 (national coordinator), contract 2001077349.

"Genetic, pathogenetic and biochemical factors affecting EST resistance and susceptibility", TSE special project of the Italian Ministry of Health, 2001.

"Genome sequencing of *Wolbachia*, symbiont of the parasite nematode *Dirofilaria immitis*", MIUR 2002, RBAU01TA3W.

PRIN 2003 (national coordinator), contract 2003052953.

PRIN 2005 (national coordinator), contract 2005075801.

PRIN 2007, contract 2007XRBAEN.

"Reproduction and mitochondrial DNA", MIPAAF project SELMOL (2008 – 2010).

"Genetic history (and prehistory) of Italy and its regions: a reconstruction based on DNA data from modern human and cattle populations", Alma Mater Ticinensis Foundation, Pavia (2009 – 2011).

## TEACHING CAREER – UNIVERSITY OF MILAN (as research scientist of CNR)

### 1990 - 1991 & 1991 – 1992

Invited by the Faculty of Veterinary Sciences, to teach a course on "Molecular Biology and Genetic Engineering applied to animal Production".

## **1992 – 1996**

Invited by the Faculty of Veterinary Sciences, as teacher in the Doctorate Programme “Biotechnology applied to Veterinary Sciences and Zootechny”.

## **TEACHING CAREER – AS PROFESSOR IN THE UNIVERSITY OF PAVIA**

### **1998-1999**

Cytogenetics, module of the Genetics course for first year graduates of the Biological Sciences Programme.

### **1999-2003**

Genetic Engineering, for the graduate students of the Biological Science Programme, Biomolecular and Genetic curriculum.

Genetic Engineering, module of Structural Biology, for graduate students of the Biotechnology Programme.

### **2001 - 2009**

Genetics I, for graduate students of the Biotechnology Programme.

### **2002 - 2009**

Biomolecular and Genetic Technologies, for the graduate students of the Biological Science Programme, Biomolecular and Genetic curriculum

### **2003 - 2009**

Genetic Technologies and Molecular Biotechnology, for the graduate students of the Biotechnology programme.

Genetic Engineering, for students of the Master in Experimental and Applied Biology.

- **2009 - current**

Recombinant DNA and Biotechnology, for students of the Master in Experimental and Applied Biology.

- **2009 - current**

Genetics, for graduate students of the Bachelor in Biotechnology.

## **SCIENTIFIC SOCIETIES MEMBERSHIPS**

Italian Genetics Society

International Society of Animal Genetics (ISAG)