

Curriculum Vitae Alberto Montesanto

Alberto Montesanto (AM) was born in Isernia on 18th July 1978. He obtained his degree in Biological Sciences at the University of Calabria in November 2003 with a dissertation on the comparison of statistical methods for classification of complex traits using routine haematological parameters. In January 2007 he achieved his PhD in Molecular Bio-pathology at the University of Calabria; during his PhD studies he attended several international courses and attended the Laboratory of Statistical Demography at the Max Planck Institute for Demographic Research, Rostock (Germany). In 2008 he attended a second level Master Degree Course in Computational and Supercomputing Sciences funded by NEC Italia company. In 2010 he was visiting research fellow at Biomedical Informatics Laboratory of the Institute of Computer Science (ICS), of the Foundation of Research and Technology, Hellas (FORTH). During this period his research activities were focused on the application of integrative causal analysis techniques to biological problems.

Academic activity

Since 2013, he is member of the committee of the Doctoral School in Life Sciences and Associated Professor in the area BIO/18 at the Department of Biology, Ecology and Earth Sciences of the University of Calabria. Since 2014, he is member of the Italian Association of Geneticists. Since 2017, he is member of the ethical committee of the Italian National Centre on Health and Science on Aging (INRCA). Since 2018 he is member of the committee of animal welfare (Organismo Preposto al Benessere Animale, OPBA) at the Department of Biology, Ecology and Earth Sciences of the University of Calabria. In 2017 he obtained the National Scientific Qualification ("Abilitazione Scientifica Nazionale") as Associate Professor of Genetics from Italian Ministry of Education, University and Research (MIUR).

Current teaching activity at the University of Calabria (AA 2018/2019)

Basics of DNA Forensics Techniques for master's degree students in Biology;

Applied Human Genetics for master's degree students in Biotechnology.

Scientific activity

AM is co-author of 55 full papers on international journals, and more than 60 communications at national and international scientific meetings chiefly in the field of genetics and epigenetics of human aging and longevity. In particular, AM focused his attention to (i) the analysis of the role of human nuclear and mitochondrial DNA sequence variations in human aging and longevity; (ii) the analysis of the role of epigenetic variability of nuclear and mitochondrial loci in human aging and longevity; (iii) develop new statistical methods for disentangling the complex genetic and epigenetic networks affecting the ageing process in human population; (iv) analysis of DNA to predict externally visible characteristics of unknown

sample donors or deceased persons on the basis of genetic and epigenetic markers (forensic DNA Phenotyping).

AM has been involved EU-funded projects, including the Genetics of Healthy Aging (GEHA) project (FP6, contract no. 503270) and the Integrated research on DEvelopmental determinants of Aging and Longevity (IDEAL) project (FP7, contract no. 259679). In the GEHA project, including 26 research groups in 11 European countries, AM was responsible of mitochondrial DNA sequence analyses in the workpackage on mitochondrial genome studies. In the IDEAL project, AM was involved in the research activities carried out to elucidate the role of genetic and epigenetic variability of nuclear and mitochondrial loci in human ageing and longevity. In 2018 AM has been awarded with the annual funding for basic research (FFABR) of the Italian Ministry for Education. AM has been invited as speaker to talk about the role of genetics in aging and longevity in different congresses and carries on referee activities for several international journals in the fields of genetics and epigenetics.