

## Alessandro Achilli, Ph.D.

**Current Position:** Associate Professor of Genetics, SSD BIO/18-Genetica) at the Dept. Biology and Biotechnology “L. Spallanzani”, University of Pavia. Via Ferrata 9, 27100 Pavia, Italy.

**E-mail:** [alessandro.achilli@unipv.it](mailto:alessandro.achilli@unipv.it); **Tel:** +39 0382-985553; **Fax:** +39 0382-528496.

**Place and DOB:** Albano Laziale (Rome, Italy); November 5, 1973. **Status:** Married with three children.

### EDUCATION

**Mar 28, 2017.** National Scientific Qualification (*Abilitazione Scientifica Nazionale*) as Full Professor of Anthropology.

**Jan 23, 2014.** National Scientific Qualification (*Abilitazione Scientifica Nazionale*) as Associate Professor of Genetics.

**May 13, 2005.** Master Degree in Advanced School of Integrated Formation (S.A.F.I.). Institute for Advanced Study (I.U.S.S.) of Pavia.

**Jan 24, 2005.** Ph.D. degree in Genetic and Biomolecular Science. University of Pavia.

**Jul 11, 2001.** “Laurea” (Master's Degree) cum laude in Biological Sciences. University of Perugia.

### PROFESSIONAL EXPERIENCE

**2015(Dec)-present.** Associate Professor of Professor of Genetics (SSD BIO/18-Genetica) at the Dept. Biology and Biotechnology “L. Spallanzani”, University of Pavia.

**2016(Giu)-present.** *Visiting Scientist* at the University of Huddersfield, UK.

**2015(Aug)-2015(Nov).** Associate Professor of Genetics at the Dept. of Chemistry, Biology and Biotechnology, University of Perugia.

**2008-2015(Jul).** Ricercatore (Assistant Professor of Genetics) at the the Dept. of Chemistry, Biology and Biotechnology (ex Dept. of Cellular and Environmental Biology), University of Perugia.

**2007-2012.** Scientific Consultant for the Sorenson Molecular Genealogy Foundation (SMGF), Salt Lake City, Utah (USA).

**2004-2007.** Post Doctoral Fellow at the Dept. of Genetics and Microbiology. University of Pavia.

**2001-2004.** Ph.D. Fellow at the Dept. of Genetics and Microbiology. University of Pavia.

**2001-2004.** Graduate Student for the Advanced School of Integrated Formation (SAFI). I.U.S.S. of Pavia.

**2000-2001.** Undergraduate Internship at the Genetic Lab of the Dept. of Cellular and Environmental Biology.

### PROFESSIONAL DUTIES

**2016-present.** Pavia’s University Lecturer (**72 hours**) for the following courses:

- **Evolution and medicine (24 hours).** Harvey Medicine (the first Medical Course in Italy taught in English) (from AY 2016/2017).
- **Metodologie Genetico-molecolari (48 hours).** LM - Biologia Sperimentale ed Applicata (from AY 2015/2016).

**2007-2015.** Perugia’s University Lecturer for: Molecular Genetics, Genetics, Genetics Engineering and Functional Biology (Tot. 90 CFU - 752 h).

**2013-2015.** Member of the Faculty (Collegio Docenti) for the PhD program in “Biotechnology”. Univ. of Perugia.

**2011-2014.** Member of the Faculty (Collegio Docenti) for the PhD program in “Biology and Ecology”. Univ. of Perugia.

**2012-present.** Member of the Editorial board of PLoS ONE.

**2008-present.** Referee for international journals: *American Journal of Physical Anthropology*, *Annals of Human Biology*, *Animal Genetics*, *Annals of Human Genetics*, *BMC Genomics*, *BMC Evolutionary Biology*, *Current Genetics*, *European Journal of Human Genetics*, *Journal of Anthropological Sciences*, *Molecular Biology and Evolution*, *Mutation Research*, *PLoS ONE* and *Scientific Reports*.

**2008-present.** Member of the review board for: European Research Council (ERC), Italian Ministry of Education, University and Research (MIUR), National Science Foundation (USA) and Royal Society (UK).

**2003-present.** Member of the following Professional Societies: American Society of Human Genetics (from 2008); Italian Society for Evolutionary Biology (from 2006); Italian Genetics Association (from 2003).

**2015-present.** Member and Scientific Coordinator of the Research Unit "Genomica di popolazioni umane" within the Strategic theme at the University of Pavia “TSA MIGRAT.IN.G. - MIGRATIONS: towards an INterdisciplinary Governance model. <http://www-wp.unipv.it/migrazione/>

**2015-present.** Member and Scientific Coordinator of the Group "Genomics of Human and Animal Populations" at the Dept. of Biology and Biotechnology "L. Spallanzani", University of Pavia. <http://dbb.unipv.it/genomica-di-popolazioni-umane-ed-animali/>

## INTERNATIONAL EXPERIENCE

**2008-2011 (7 months).** *Visiting Scientist* at SMGF and University of Utah (USA) to collaborate in different projects on the origin of Native American populations.

**2007 (from July to September).** *Visiting Scientist* at SMGF (Utah, USA) to set up a database of ~80.000 mtDNAs and to develop efficient haplogroup prediction tools.

**2007 (August).** *Visiting scientist* at *Gorgas Institute* and *Smithsonian Institute di Panama City* (Panama) to coordinate the sample collection of ~1.500 Panamanians.

## FUNDED PROJECTS

**2016-present.** Participant as Unit Coordinator within the European Project ERC-CoG-2014, No. 648535: “An ARTery of EMPIRE. Conquest, Commerce, Crisis, Culture and the Panamanian Junction, 1513-1671”.

**2013-present.** Unit Coordinator within the MIUR project PRIN 2012 entitled “Human genetic prehistory: times and modes of geographic and demographic expansions by using highly resolved (calibrated) molecular phylogenies” (cod. 2012JA4BTY\_002).

**2012-present.** Unit Coordinator within the MIUR project FIRB – Futuro in Ricerca 2012 entitled “The genetic history of Italy as traced by genomic analysis of humans and domesticated animals” (cod. RBFR126B8I\_002).

**2011-2013.** Unit Coordinator within the MIUR project PRIN 2009 entitled “The first peopling of the Americas: mitochondrial genome footprints” (cod. 2009P2CNKK\_005).

**2010-2014.** Coordinator of the MIUR project FIRB – Futuro in Ricerca 2008 entitled “The parallel genetic history of humans and domesticated animals” (cod. RBFR08U07M).

**2011-2013.** Collaborator within the National Geographic Grant 2011: “Horse domestication in the ancient Near East”.

**2006-2009.** Collaborator within the ACUME 2 European Thematic Network: “Interfacing Sciences, Literature and Humanities”.

**2002-2003.** Grant Recipient - “Progetto Giovani Ricercatori Bando 2002” (University of Pavia) entitled “Study of Italian populations through phylogenetic and molecular dissection of the mtDNA haplogroup H”

## AWARDS

**2007.** “Città di Ponzano Romano per la Scienza 2007” prize.

**2005 and 2004.** Advanced School of Integrated Formation S.A.F.I. (I.U.S.S. of Pavia) annual prizes.

**2005.** Honorable mention for the best PhD thesis annual prize of the Italian Genetics Association (AGI).

## RESEARCH INTERESTS

Dr. Alessandro Achilli’s research activity is mainly dedicated to: **(1)** the analysis of mitochondrial DNA and nuclear DNA sequence variation with the aim of better defining origins, evolution and dispersal patterns of human and animal populations; **(2)** the definition of the role played by the human and animal genome sequence variation in association studies; **(3)** the application of mtDNA surveys in forensic genetics.

## PUBLICATIONS

Author and co-author of **83 original articles** in international ISI journals (with 13 first and seven last co-authorships), one book chapter (last co-author) and three non-ISI publications (Mar 2017). Five of them were selected as cover story articles for the print version of *Current Biology*, *Genome Research* and *Molecular Biology and Evolution*. Some of the results have been reported by television and radio broadcasts, such as: *History Channel*, *Discovery News*, *Rai Uno*, *Rai Tre (TG-Leonardo)*, *Tef Channel*, *Radio 24*, *Il Corriere Della Sera*, *Il Sole 24 Ore*, *La Repubblica*, *Le Scienze*, *L’Unità*, *Panorama*, *Sky Tg24*, *International Herald Tribune*, *National Geographic*, *Telegraph*, *The New York Times*, *Times*, *The Horse*, *Daily News*.

## BIBLIOMETRIC INDICES

Scopus (Author ID: 6701652869). Docs: 84; Citations: 4338; H-index: 34.

ISI-Web of Knowledge (ResearcherID: I-9236-2012): Docs: 90; Total citations: 4101; H-index: 33.

Google Scholar: Docs: 116; Total citations: 6445; H-index: 40.

ORCID: [orcid.org/0000-0001-6871-3451](http://orcid.org/0000-0001-6871-3451)

Ranked at pos.85 among the Top Italian Scientists ([http://www.topitalianscientists.org/top\\_italian\\_scientists.aspx](http://www.topitalianscientists.org/top_italian_scientists.aspx)).

**March 02, 2017**

**Alessandro Achilli, Ph.D.**

