

## Roberta Piredda



Born in Sassari (Italy) on 22/07/1963

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**Current Position:** Post Doc.

Supervisor: Adriana Zingone

Appointed on project: FIRB Biodiversitalia

### **Affiliation:**

Section Integrative Marine Ecology, Stazione Zoologica Anton Dohrn, Napoli (Italy)

### **Education/Training/Experience**

| <b>Institute and Location</b>                            | <b>Degree / Function</b> | <b>Year</b> | <b>Field of Study</b>                                    |
|--|--------------------------|-------------|--|
| University of Sassari                                    | Master Degree            | 1987        | Biological Sciences                                      |
| Science and Technology Park of Sardinia, Cagliari, Italy | Master                   | 2006-2007   | Bioinformatics   |
| University of Bari, Italy                                | Temporary worker         | 2007        | Data mining and machine learning techniques              |
| University of Tuscia, Viterbo, Italy                     | Ph.D.                    | 2008-2011   | DNA barcoding  |
| University of Tuscia, Italy                              | Course Teacher           | 2012        | Bioinformatics and molecular evolution for Ph.D students |
| Stazione Zoologica Anton Dohrn                           | Postdoc                  | 2013-2016   | Protist meta DNA-barcoding                               |

### **Appointments and awards**

2011: Winner of Best Ph.D. Thesis Award in “DNA barcoding” Alma Mater Studiorum University of Bologna, Italy.

### **Other matters relevant to scientific career**

Certification of professional biologist in Italy on April 1990

### **Publications**

Author of 13 publications on ISI-journals and 2 book chapters

#### ***List of publications of the last 10 years:***

#### ***Journal Papers***

Schirone B, Caetano-Ferreira R, Vessella F, Schirone A, Piredda R, Simeone MC (2010) *Taxus baccata* in the Azores: a relict form at risk of imminent extinction. *Biodiversity and Conservation*, 19, 1547–1565

Piredda R., Simeone M.C., Attimonelli M, Bellarosa R, Schirone B (2010). Prospects of barcoding the Italian wild dendroflora: oaks reveal severe limits to track species identity. *MOLECULAR ECOLOGY RESOURCES*, ISSN: 1755-098X, doi: 10.1111/j.1755-0998.2010.02900.x

Ferreira R, Piredda R, Bagnoli F, Bellarosa R, Attimonelli M, et al. (2011) Phylogeography and conservation perspectives of an endangered Macaronesian endemic: *Picconia azorica* (Tutin) Knobl. (Oleaceae). *European Journal of Forest Research* 130: 181–195. doi: 10.1007/s10342-010-0420-1

Rubino F, Piredda R, Calabrese FM, Simone D, Lang M, Calabrese C, Petruzzella V, Tommaseo-Ponzetta M, Gasparre G, Attimonelli M. (2011): HmtDB, a genomic resource for mitochondrion-based human variability studies. *NUCLEIC ACID RESEARCH*. doi:10.1093/nar/gkr1086

Armenise L., Simeone M.C., Piredda R., Schirone B. (2011) Validation of DNA barcoding as an efficient tool of taxon identification and detection of species diversity in Italian Conifers. *European Journal Of Forest Research*, doi.org/10.1007/s10342-012-0602-0

Petruzzella V, Carrozzo R, Calabrese C, Dell'aglio R, Trentadue R, Piredda R, Artuso L, Rizza T, Bianchi M, Porcelli AM, Guerriero S, Gasparre G, Attimonelli M. (2012) : Deep sequencing unearths Nuclear mitochondrial Sequences under Leber's hereditary optic neuropathy-associated false heteroplasmic mitochondrial DNA variants. *Hum. Mol. Genet.*, 21(17):3753-64. Epub 2012 May 15. doi: 10.1093/hmg/dds182

Kirin, T., A. Laiou, M.P. Tomasino, R. Piredda, L.S. de Buruaga Aldave, B. Schirone, M.C. Simeone (2013). DNA barcoding as an effective tool to complement wetland management: A case study of a protected area in Italy. *Plant Biosystems* doi.org/10.1080/11263504.2013.868373

Laiou A, Mandolini LA, Piredda R, Bellarosa R, Simeone MC (2013) DNA barcoding as a complementary tool for conservation and valorisation of forest resources. In: Nagy ZT, Bacheljau T, De Meyer M, Jordaens K (Eds) *DNA barcoding: a practical tool for fundamental and applied biodiversity research*. *ZooKeys* 365: 197–213. doi:10.3897/zookeys.365.5670

Simeone MC, Piredda R, Papini A, Vessella F, Schirone B (2013) Application of plastid and nuclear markers to DNA barcoding of Euro–Mediterranean oaks (*Quercus*, Fagaceae):

problems, prospects and phylogenetic implications. *Botanical Journal of the Linnean Society* 172, 478-499

### ***Book chapters***

Margherita Berardi, Donato Malerba, Piredda Roberta., Marcella Attimonelli, Gaetano Scioscia and Pietro Leo (2008). Biomedical Literature Mining for Biological Databases Annotation. *Data Mining in Medical and Biological Research*. Chapter 16 in E.G. Giannopoulou (Ed.), *Data Mining in Medical and Biological Research*, pp. 267-290, IN-TECH Publisher: Vienna ISBN/ISSN: 978-953-7619-30-5

Tamara Kirin, Maria Paola Tomasino, Marco Cosimo Simeone, Sandro Bogdanovi, Roberta Piredda, Bartolomeo Schirone.(2012) *Inula verbascifolia* biogeographic inferences on a Mediterranean endemic medicinal plant. 6th Annual International Symposium on Environment, 255-264. 16-19 May 2011, Athens, Greece. In *Essays on Environmental Studies*, ed. Amit Sarin (ISBN 978-960-9549-75-2)