

Gloria Antonini
Curriculum vitae

Place Rome
October, 2016

Full Name	Gloria Antonini
Citizenship	Italian
Spoken Languages	Italian, English, French

Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	1999	<i>Sapienza University of Rome</i>	Bachelor Degree in Biological Sciences; supervisor Prof. P. Audisio
Post-graduate studies	2001	<i>Sapienza University of Rome</i>	Course on Techniques of Phylogenetic Analysis held by Prof. C. Baroni Urbani.
	2004	ENEA	Summer school on Genomics and Proteomics Trisaia, Rotondella, Matera, June 21-25 2004
Post-graduate studies	2005-2006	<i>European Biological Control Laboratories (Montpellier, France)</i>	Laboratory training in molecular biology (supervisor M.C. Bon)
Post-graduate studies	2012	St John's College, Cambridge, UK	Insect Genomics Special Interest Group Meeting
PhD	2001-2004	<i>Sapienza University of Rome</i>	PhD School of Animal Biology (16th Cycle) at the Department of Animal and Human Biology
Pre-doctorate training	1997-2001	<i>Sapienza University of Rome</i>	Field collection of Coleoptera specimens; laboratory preparation and dissection of insect specimens; electrophoresis of gene-enzyme systems; insect morphometric analysis; application of molecular techniques (extraction of DNA, RNA, from larvae, adults and faecal samples of insects).

Academic Appointments

Start	End	Institution	Position
November, 2007	31 October 2008	<i>Sapienza University of Rome</i>	Post-doc fellowship at the Department of Human and Animal Biology on Genetic analyses on taxonomic status and mtDNA variation in natural populations of <i>Psylliodes</i> spp. cfr. <i>chalcomerus</i> (Coleoptera, Chrysomelidae, Alticinae).
January, 2009	December, 2009	<i>Sapienza University of Rome</i>	Post-doc fellowship at the Department of Human and Animal Biology on Morphological and molecular taxonomical research on invertebrates listed in the Habitats Directive: development of monitoring techniques to be applied on a national scale in the SCI managed by Corpo Forestale dello Stato (National Centre for Forest Biodiversity)
January, 2010	December, 2011	<i>Sapienza University of Rome</i>	Post-doc fellowship at the Department of Biology and Biotechnologies "Charles Darwin" on Morphological and molecular taxonomical research on invertebrates listed in the Habitats Directive: development of monitoring techniques to be applied on a national scale in the SCI managed by Corpo Forestale dello Stato (National Centre for Forest Biodiversity)

March, 2011	February, 2012	<i>Sapienza University of Rome</i>	Fixed-term research assistant at the Department of Biology and Biotechnologies "Charles Darwin"
March, 2012	February, 2013	<i>Sapienza University of Rome</i>	Fixed-term research assistant at the Department of Biology and Biotechnologies "Charles Darwin"
October, 2013	September 2016	<i>Sapienza University of Rome</i>	Fixed-term research assistant at the Department of Biology and Biotechnologies "Charles Darwin"

Other Appointments

Start	End	Institution	Position
06/2004	05/2005	ENEA	Researcher in Molecular Biology (study of resistance mechanisms of potato tubers against potato tuber moth)
06/2005	05/2006	ENEA	Researcher in Molecular Biology (biological control of weeds, study of cryptic species and biotypes, population genetics and to trace the origin of pest and natural enemies of target plants)

Teaching experience

Year	Institution	Lecture/Course
1999-2003	<i>Sapienza University of Rome</i>	Member of the board of examiners (president prof. P.A. Audisio, University of Rome) for the Pharmacy's students in Zoology
2003	<i>Sapienza University of Rome</i>	Supporting course for the Pharmacy's students in Zoology
2006	<i>Sapienza University of Rome</i>	Supporting course for the Pharmacy's students in Zoology
2011-2012	<i>Sapienza University of Rome</i>	Seminar series for the Pharmacy's students in Genetics and Molecular Biology
2012-2013	<i>Sapienza University of Rome</i>	Course for the Pharmacy's students in Genetics and Molecular Biology
2013-September 2016	<i>Sapienza University of Rome</i>	Course for the Pharmacy's students in Genetics and Molecular Biology

Funding information

2014	Using RAD tag for the study of phylogenetic and phylogeographic relationships of the species complex of <i>Osmoderma</i> (Coleoptera, Cetoniidae)	Ateneo	2,500 Euros
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Research Activities

Keywords	Brief Description
Evolutionary biology	My researches and interests cover different topics such as conservation genetics, molecular phylogeny and phylogeography of beetles and crop-pest control, and monitoring of beetles listed in EU Habitats Directive. My scientific contribution is documented by thirty-four papers on scientific journals, technical reports, proceedings of international meetings and teaching experience.
Invertebrate conservation	
European Habitats Directive	
Molecular phylogeny	
Phylogeography	

Selected Publications

1. Audisio P., De Biase A., Antonini G., Belfiore C. & Oliverio M. (2000). Morphological, molecular and ecological evidence of a new Euro-Anatolian species of the *Meligethes coracinus* complex (Coleoptera: Nitidulidae). *Insect Systematics and Evolution*, 31 (4): 361-385.
2. Audisio P., Belfiore C., De Biase A. & Antonini G. (2001). Identification of *Meligethes matronalis* Audisio and Spornraft, 1990 and *M. subaeneus* Sturm, 1845, based on morphometric and bionomic characters (Coleoptera: Nitidulidae). *European Journal of Entomology*, 98: 87-97.
3. Audisio P., De Biase A., Antonini G., Oliverio M., Ketmaier V. & De Matthaëis E. (2002). Specific distinction by allozymic data of sympatric species of anthophagous beetles (Coleoptera: Nitidulidae). *Italian Journal of Zoology*, 69: 65-69.
4. Audisio P., Ozbek Y., Antonini G. & Aslan I. (2002). New data on distribution and ecology of some Turkish Nitidulidae and Kateretidae (Coleoptera). *Turkish Journal of Entomology*, 26 (4): 243-250.
5. Audisio P., De Biase A. & Antonini G. (2003). A new exceptional *Meligethes* of the *M. aeneus* species-group from Western Alps and an updated key to identification *M. aeneus* and allied species (Coleoptera: Nitidulidae: Meligethinae). *Insect Systematics and Evolution*, 34 (2): 121-130.
6. De Biase A., Antonini G., Mancini E. & Audisio P. (2003). Molecular taxonomy of two sympatric sibling species of the pollen-beetle genus *Meligethes* (Coleoptera: Nitidulidae). *Zootaxa*: 190: 1-16.
7. Audisio P., Kirk-Spriggs A.H., Cline A.R., Trizzino M., Antonini G., Mancini E. & De Biase A. (2008). A new genus of pollen-beetle from South Africa (Coleoptera: Nitidulidae), with discussion of the generic classification of the subfamily Meligethinae. *Insect Systematics and Evolution*, 39 (4): 419-430.
8. Trizzino M., Audisio P., Antonini G., De Biase A. & Mancini E. (2009). Comparative analysis of sequences and secondary structures of the rRNA internal transcribed spacer 2 (ITS2) in pollen-beetles of the subfamily Meligethinae (Coleoptera, Nitidulidae): potential use of slippage-derived sequences in molecular systematics. *Molecular Phylogenetics and Evolution*, 51: 215–226.
9. Audisio P., Brustel H., Carpaneto G.M., Coletti G., Mancini E., Trizzino M., Antonini G. & De Biase A. (2009). Data on molecular taxonomy and genetic diversification of the European Hermit beetles, a species-complex of endangered insects (Coleoptera: Scarabaeidae, Cetoniinae, genus *Osmoderma*). *Journal of Zoological Systematics and Evolutionary Research*, 47 (1): 88-95.
10. Antonini G., Coletti G., Serrani L., Tronci C., Cristofaro M. & Smith L. (2009). Using molecular genetics to identify immature specimens of the weevil *Ceratapion basicorne* (Coleoptera, Apionidae). *Biological Control*, 51: 152–157.
11. Audisio P., De Biase A., Trizzino M., Mancini E. & Antonini G. (2009). A new species of *Meligethes* (Coleoptera: Nitidulidae: Meligethinae) of the *M. lugubris* complex from Sardinia. *Zootaxa*, 2318: 386-393.

12. Audisio P., Trizzino M., De Biase A., Mancini E. & Antonini G. (2009). A new species of *Hydraena* (Coleoptera: Hydraenidae: Haenydra lineage) of the *H. evanescens* complex from Sardinia. *Zootaxa*, 2318: 281-289.
13. Audisio P., Cline A. R., Lamanna F., Trizzino M., Antonini G., Mancini E. & De Biase A. (2009). Revision of the Southern African Pollen Beetle Genus *Anthystrix* (Coleoptera: Nitidulidae: Meligethinae). *Annals of the Entomological Society of America*, 102 (6): 998-1012.
14. Audisio P., Cline A.R., De Biase A., Antonini G., Mancini E., Trizzino M., Costantini L., Strika S., Lamanna F. & Cerretti P. (2009). Preliminary re-examination of genus-level taxonomy of the pollen beetle subfamily Meligethinae (Coleoptera: Nitidulidae), Vol. 70th J. Jelinek's Festschrift. *Acta Entomologica Musei Nationalis Pragae*, 49 (2): 341-504.
15. Antonini G., Audisio P., Mancini E., De Biase A., Tronci C., Rossetti G. & Trizzino M. (2010). Molecular phylogeography of two Italian sibling species of *Calobius* (Coleoptera, Hydraenidae, Ochthebiinae) inhabiting Mediterranean marine rock-pools. *Marine Biology*, 157: 371-381.
16. Audisio P., Trizzino M., De Biase A., Rossetti G., Mancini E. & Antonini G. (2010). Molecular and morphological evidence of a new sibling species of *Calobius* (Coleoptera: Hydraenidae) of the *C. quadricollis* complex from Italy. *Italian Journal of Zoology*, 77 (1): 29-37.
17. Rector B.G., De Biase A., Cristofaro M., Primerano S., Belvedere S., Antonini G., Sobhian R. (2010). DNA fingerprinting improves data collection efficiency and yield in a hostspecificity test of a weed biological control candidate. *Invasive Plant Science and Management*, 3: 429-439.
18. Audisio P., Cline A.R., Mancini E., Trizzino M. & Antonini G. (2011). A new species of southern african pollen beetles and discussion of the taxonomic position of *Jelinekigethes* Audisio & Cline, 2009 (Coleoptera: Nitidulidae: Meligethinae). *Zootaxa*, 2909: 47-56.
19. Audisio P., Jelínek J., Cline A.R., Mancini E., Trizzino M., Cerretti P. & Antonini G. (2011). Description and taxonomic position of a new genus and species of southern African pollen beetle (Coleoptera: Nitidulidae: Meligethinae). *Zootaxa*, 2927: 49-56.
20. Trizzino M., Audisio P., Antonini G., Mancini E. & Ribeira I. (2011). Molecular phylogeny and diversification of the "*Haenydra*" lineage (Hydraenidae, genus *Hydraena*), a north-Mediterranean endemic-rich group of rheophilic Coleoptera. *Molecular Phylogenetics and Evolution*, 61 (3): 772-783.
21. Avgin S.S., Magri D., Antonini G., Mancini E., Jansson N., Lasoń A., Cline A.R. & Audisio P. (2012). Review of the cedar and oak forest-associated *Eपुरaea latipes* species group (Coleoptera: Nitidulidae, Eपुरaeinae), with description of a new species from southern Turkey. *Entomologica Fennica*, 23 (2): 49-62.
22. De Biase A., Antonini G., Mancini E., Trizzino M., Cline A. & Audisio P. (2012). Discordant patterns in the genetic, ecological, and morphological diversification of a recently radiated phytophagous beetle clade (Coleoptera: Nitidulidae: Meligethinae). *Rendiconti Lincei*, 23 (2): 207-215.

23. Solano E., Mancini E., Ciucci P., Mason F., Audisio P. & Antonini G. (2013). The EU protected taxon *Morimus funereus* Mulsant, 1862 (Coleoptera: Cerambycidae) and its western Palaearctic allies: systematics and conservation outcomes. *Conservation Genetics*, 14 (3): 683-694.
24. Cox K., Thomaes A., Antonini G., Zilioli M., De Gelas K., Harvey D., Solano E., Audisio P., McKeown N., Shaw P., Minetti R., Bartolozzi L. & Mergeay J. (2013). Testing the performance of a fragment of the COI gene to identify western Palaearctic stag beetle species (Coleoptera, Lucanidae). *ZooKeys* 365: 105–126.
25. Audisio P. & Antonini G. (2014). Traiettorie evolutive e diagnostica di specie criptiche in coleotteri fitofagi specializzati. *Atti Accademia Nazionale Italiana di Entomologia*, 107-114.
26. Paolini A., Cristofaro M, Lecce F., Di Cristina F., De Biase A, Belvedere S., Antonini G., Tronci C. & Smith L. (2014). *Ceratapion basicorne* (Illiger) (Coleoptera: Curculionidae): biosaggi di laboratorio e campo per valutarne la specificità fisiologica come agente di controllo di *Centaurea solstitialis* L. (Asteraceae: Cardueae). *Atti Accademia Nazionale Italiana di Entomologia*, 91-96.
27. Audisio P.A., Cline A.R., Solano E., Mancini E., Lamanna F., Antonini G. & Trizzino M. (2014). A peculiar new genus and species of pollen-beetle (Coleoptera, Nitidulidae) from eastern Africa, with a molecular phylogeny of related Meligethinae. *Systematics and Biodiversity*, 12: 77-91.
28. Audisio P.A., Cline A.R., Trizzino M., Mancini E., Antonini G., Sabatelli S. & Cerretti P. (2015). Revision of the African pollen beetle genera *Tarchonanthogethes* and *Xenostromylogethes*, with insect-host plant relationships, identification key, and cladistic analysis of the *Anthystrix* genus-complex (Coleoptera: Nitidulidae: Meligethinae). *Zootaxa* 3920: 101-152.
29. Avgin S.S., Antonini G., LASOÑ A., Jansson N., Abacigil T., Öncül V., Sakin V., De Biase A. & Audisio, P. (2015). New data on distribution, ecology, and taxonomy of Turkish Nitidulidae (Coleoptera). *Turkish Journal of Zoology* 39 (2): 324-322.
30. Mancini E., De Biase A., Cline A.R., Antonini G., Trizzino M., Clayhills T., Sabatelli S., Cerretti P. & Audisio P. (2015). Morphological, genetic and host-plant diversification in pollen-beetles of the *Brassicogethes coracinus* group (Coleoptera: Nitidulidae: Meligethinae). *Rendiconti Lincei: Volume 27 (2)*: 321-339.
31. Mason F, Roversi PF, Audisio P, Bologna MA, Carpaneto GM, Antonini G, Mancini E, Sabbatini Previeri G, Mosconi F, Solano E, Maurizi E, Maura M, Chiari S, Sabatelli S, Bardiani M, Toni I, Redolfi DeZan L, Rossi De Gasperis S, Tini M, Cini A, Zauli A, Nigro G, Bottacci A, Ardersen S, Campanaro A. (2015). Monitoring of insects with public participation (MIPP; EU LIFE project 11 NAT/IT/000252): overview on a citizen science initiative and a monitoring programme (Insecta: Coleoptera; Lepidoptera; Orthoptera). *Fragmenta Entomologica* 47(1): 51-52.
32. Sabatelli S., Audisio P., Antonini G., Solano E., Martinoli A. & Trizzino M. (2016). Molecular ecology and phylogenetics of the water beetle genus *Ochthebius* revealed multiple independent shifts to marine rockpools lifestyle. *Zoologica Scripta* 45 (2): 175-186.

33. Solano E, Thomaes A, Cox K, Carpaneto GM, Cortellessa S, Baviera C, Bartolozzi L, Zilioli M, Casiraghi M, Audisio P., Antonini G. (2016). When morphological identification meets genetic data: the case of *Lucanus cervus* and *L. tetraodon* (Coleoptera, Lucanidae). *Journal of Zoological Systematics and Evolutionary Research* 54 (3): 197–205.
34. Rossi de Gasperis S., Carpaneto G.M., Nigro G., Antonini G., Chiari S., Cini A., Mancini E., Mason F., Mosconi F., Redolfi de Zan L., Roversi P.F., Sabbatini Peverieri G., Solano E., Campanaro A. (2016). Computer-aided photographic identification of *Rosalia alpina* (Coleoptera: Cerambycidae) applied to a mark-recapture study. *Insect Conservation and Diversity*, doi: 10.1111/icad.12199.

October, 2016

A handwritten signature in black ink, reading "Giusseppe Antonini". The signature is written in a cursive, flowing style with a prominent initial 'G'.