

Short CURRICULUM VITAE of Gabriele Gentile

Name: Gabriele Gentile

Date of birth: 31 May 1962

Nationality: Italian

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Degree: Ph.D. in Evolutionary Biology, University Tor Vergata, Rome, 1994

Positions held:

1988 - 1989: **Research Technician**, University of L'Aquila, Environmental Sciences Dept

1989 - 1991: **1) Research Scientist**, (1989), Dept. of Animal and Human Biology (BAU), University La Sapienza, Rome.

2) Research Scientist, (1989-1990), ICRAM, Central Institute for Scientific and Technological Marine Research (Rome).

1991 - 1994: **PhD student**, Dept. of Biology, University Tor Vergata, Rome.

1995 - 1997: **1) Editor Assistant**, (1995-1997) FAO (*Food and Agriculture Organization, Fishery Division*, Roma.

2) Post-Doc, (1996), Dept. of Animal and Human Biology (BAU), University La Sapienza, Rome

3) Post-Doc, (1997) supported by the Government of Rumania, at the Institute of Speleology “E. Racovitza”, Bucarest.

1997 - 1998: **Post-Doc** Dept. of Biology, University Tor Vergata, Rome.

1998 - 2002: **1) Post-doc Fellow** (1998-2001), Ecology and Evolutionary Dept., Yale University, New Haven, CT, USA.

2) Lecturer (1999) University of Molise (Isernia).

3) Instructor (1998-2002), Yale University, New Haven, CT, USA.

2003-2006: **Brain Gain Program:** Dept. of Biology, University Tor Vergata, Rome.

2006-Present: **Adjunct Professor**, Dept. of Biology, University Tor Vergata, Rome.

IUCN Iguana Specialist Group member

Teaching: Introduction to Molecular, Cellular, and Developmental Biology (Yale University); Animal Biology (University of Molise); Conservation of Nature, Conservation Genetics, Conservation Biology (Tor Vergata University).

Research: Genetic structure and evolutionary dynamics of subterranean organisms. Ecology, genetics, and evolution of chemoautotrophy-based subterranean communities.

Island biogeography. Malaria in the Sub-Saharan Africa: molecular phylogeny of mosquitoes of the genus *Anopheles*, with special focus on mechanisms of speciation in *A. gambiae*.

Conservation biology of endangered species. Since 2003 is head of an international and multidisciplinary project aimed at conservation of the land iguanas from Galápagos, in tight collaboration with the Galápagos National Park (Ecuador).

Popularization of Science: He contributed several papers and chapters in books and magazines. He participated to the making of several nature-oriented CINE-TV serials, focused on Galapagos Iguanas. Recently (June 2012), he contributed to the making of the Cine 3D (IMAX) and TV five-hours documentary movie produced by Colossus Production about Galapagos. With the participation of Sir David Attenborough. GG curated the part related to the Galapagos Pink Land Iguana and participated himself in the filming, illustrating the Pink Iguana Project.

Special Acknowledgements: He was acknowledged by WWF Italy as head of one of the most significant researches for the year 2009.

The International Institute for Species Exploration (Arizona State University) has nominated *Conolophus marthae* for this year's IISE Top 10 New Species

Gabriele Gentile has been selected as Cryptomundo's cryptozoologist of the year for 2009 (<http://www.cryptomundo.com/cryptozoo-news/czist-2009/>).

SELECTED PUBLICATIONS OF THE LAST 10 YEARS

GENTILE, G., M. SLOTMAN, V. KETMAIER, J. R. POWELL, AND A. CACCONE (2001). Attempts to molecularly distinguish cryptic species taxa in *Anopheles gambiae* s.s. *Insect Molecular Biology*, 10:25-32.

CACCONE, A., **G. GENTILE**, J.P. GIBBS, T.H. FRITTS, H.L. SNELL, J.BETTS AND J.R.POWELL (2002). Phylogeography and history of giant Galápagos tortoises. *Evolution*, 56 (10):2052-2066.

GENTILE,G., A. DELLA TORRE, B. MAEGGA, J.R. POWELL AND A. CACCONE. (2002). Genetic differentiation in the African malaria vector, *Anopheles gambiae* s.s., and the problem of taxonomic status. *Genetics*, 161:1561-1578.

CACCONE, A, **G. GENTILE**, C. BURNS, E. SEZZI, W. BERGMAN, M. RUELLE, K. SALTONSTALL AND J.R. POWELL (2004). Extreme difference in rate of mitochondrial and nuclear DNA evolution in a large ectotherm, Galápagos tortoises. *Molecular Phylogenetics and Evolution*, 31:794-798.

GENTILE, G. AND S.M. SARBU (2004) Trophic sources partition and population genetic structure of the isopod *Androniscus dentiger* from a chemoautotrophy based underground ecosystem. *Subterranean Biology*, 2:7-14.

GENTILE,G., F. SANTOLAMAZZA, C. FANELLO, F. PETRARCA, A. CACCONE AND A. DELLA TORRE (2004) Variation in an intron sequence of the voltage-gated sodium channel gene correlates with genetic differentiation between *Anopheles gambiae* s.s. molecular forms. *Insect Molecular Biology*, 13 (4):371-377.

GENTILE, G. AND R. ARGANO (2005) Island biogeography of the Mediterranean Sea: the species-area relationship for terrestrial isopods faunas. *Journal of Biogeography*, 32 (10):1715-1726.

COSTANTINI, D., DELL'OMO, G., CASAGRANDE, S., FABIANI, A., CAROSI, M., BERTACCHE, V., MARQUEZ, C., SNELL, H., SNELL, H., TAPIA, W. AND **G. GENTILE** (2005) Inter-population variation of carotenoids in Galápagos land iguanas (*Conolophus subcristatus*). *Comparative Biochemistry And Physiology*, Part B, 142:239- 244.

TZIKA, ROSA, S., A., MARQUEZ, C., SNELL, H., SNELL, H., TAPIA, W. **GENTILE, G.,** AND M. MILINKOVITCH M. (2008) Population genetics of Galápagos land iguana (genus *Conolophus*) remnant populations. *Molecular Ecology*, 17: 4943-4952

GENTILE, G., C. VERNESI, S. VICARIO, E. PECCHIOLI, A. CACCONE, G. BERTORELLE, AND V. SBORDONI (2009) Mitochondrial DNA variation in roe deer (*Capreolus capreolus*) from Italy: evidence of admixture in one of the last population of *C. c. italicus* from central-southern Italy. *Italian Journal of Zoology*, 76: 16-27.

GENTILE, G., FABIANI, A. MARQUEZ, C., SNELL, H., SNELL, H., TAPIA, W. AND SBORDONI V. (2009) An overlooked, pink species of land iguana in the Galápagos. *Proc. Natl. Acad. Sci. USA*, 106: 507-511.

COSTANTINI, D., DELL'OMO, G., DE FILIPPIS, S., MARQUEZ, C., SNELL, H., SNELL, H., TAPIA, W., BRAMBILLA, G., AND **G. GENTILE**. (2009) Temporal and spatial covariation of gender and oxidative stress in Galápagos land iguana *Conolophus subcristatus*. *Physiological and Biochemical Zoology*, 82: 430–437.

GENTILE, G. AND H. SNELL (2009) *Conolophus marthae* sp.nov. (Squamata, Iguanidae), a new species of land iguana from the Galápagos archipelago. *Zootaxa*, 2201: 1-10.

STEINFARTZ, S., GLABERMAN, S., LANTERBECQ, D., RUSSELLO, M., ROSA, S., HANLEY, T., MARQUEZ, C., SNELL, H., SNELL, H., **GENTILE, G.**, DELL'OMO, G., POWELL, A. AND A. CACCONI. (2010) Progressive colonization and restricted gene flow shape island-dependent population structure in Galápagos marine iguanas (*Amblyrhynchus cristatus*). *BCM Evolutionary Biology* 9:297 doi:10.1186/1471-2148-9-297.

GENTILE, G., CAMPANARO, A., CAROSI, M., SBORDONI, V. AND R. ARGANO (2010) Phylogeography of *Helleria brevicornis* Ebner 1868 (Crustacea, Oniscidea): Old and recent differentiations of an ancient lineage. *Molecular Phylogenetics and Evolution*, 54: 640-646.

THALLER M.C., CIAMBOTTA M., SAPOCHETTI M., MIGLIORE L., TAPIA W., CEDEÑO V., **GENTILE G.** (2010) Uneven frequency of *Vibrio alginolyticus*-group isolates among different populations of Galápagos marine iguana (*Amblyrhynchus cristatus*). *Environmental Microbiology Reports*. 2(1): 179–184.

THALLER, M.C., MIGLIORE, L., MARQUEZ, C., TAPIA, W. CEDENO,V., ROSSOLINI, G.M., **GENTILE G.** (2010) Tracking acquired antibiotic resistance in bacteria of Galápagos land iguanas: No man, no resistance. *PLoS ONE* 5(2): e8989. doi:10.1371/journal.pone.0008989.

JARAMILLO, P., ATKINSON, R., **GENTILE, G.** (2010) Defining a conservation strategy for the threatened *Calandrinia galapagosa* (Portulacaceae) from Galápagos. *Biotropica*, 43(3): 386-392. doi: 10.1111/j.1744-7429.2010.00685.x.

FABIANI A., ROSA S., MARQUEZ C., TRUCCHI, E., SNELL H.L., SNELL H.M. TAPIA W., **GENTILE G.** (2011) Conservation of Galápagos land iguanas: genetic monitoring and predictions of a long-term program on Isla Santa Cruz. *Animal Conservation*. doi: 10.1111/j.1469-1795.2011.00442.x.

GENTILE G. (2012) *Conolophus marthae*. In: IUCN 2012. IUCN Red List of Threatened Species. Version 2012.1. <www.iucnredlist.org>.

MEDIA COVERAGE

Since the publication of the original article in **PNAS** (Gentile et al., 2009), the mass-media fallout of our discovery was enormous. The news was covered and followed up by the magazine “**Nature**” and all major newspapers and magazines around the world. The proponent, as head of the research group, was invited to TV programs, and interviewed in English, Spanish and Italian languages by several major radio channels, TV networks, press agencies and websites. Just to mention a few examples: **NPR** (“All things considered”), **BBC** (“Ten o’clock news”) **RAITV** (“Geo&Geo”), **Reuters**, **Bloomberg**, **ANSA**, **France Press**, **Associated Press**, **Euronews**, **DISCOVERY CHANNEL**, **NATIONAL GEOGRAPHIC**, **LIFE Science**, **NBC**, **Current Biology**, **American Naturalist**, **Explorer**. Even now, the first 25 and more pages resulting after a **Google** query, by digitizing the words “pink iguana”, are dominated by this topic. As a minor example illustrating the presence and impact of our discovery over the internet, a few, not-selected, websites are here provided in the end of this document.

In 2011, the Pink Iguana was selected as inspiring theme for the **INPUT initiative** (New York, <http://www.inputjournal.org/index.html>). **INPUT** is an aesthetic journal on contemporary currents and cultural conditions published by an international ensemble of editors. It is

independent from the conventional marketplace demands that shape traditional art books, academic journals and über luxe magazines. **INPUT** seeks to collapse divisions between artistic genres by offering variety and deliberate inconsistency as indications of today's creative and intellectual matrix. The creative work of the many artists involved was presented on August 4th 2011, 8:00-10:00p, on the Big Screen Plaza @ the Eventi Hotel, 855 6th Avenue Plaza NY City.

CINE/TV DOCUMENTARY MOVIES AND SCIENCE POPULARIZATION

In the last year the proponent has been invited to publish popular-science articles in several major scientific magazines and books. Here are examples of articles already published:

1. **GENTILE, G.** (2007). Le iguane di Cerro Dragón. *Le Scienze*, 4: 74-81. (Italian Edition of Scientific American).
2. **GENTILE, G.** (2009). L'iguana rosa delle Galápagos. *Le Scienze*, 489: 92-97. (Italian Edition of Scientific American).
3. **GENTILE, G.** (2009). Ecco a voi l'iguana rosa delle Isole Galápagos. *Darwin*, 30: 12-19. (cover dedicated, here below). http://www.darwinweb.it/files/D30_12_19_GentileOKKK.pdf
4. **GENTILE, G.** (2009). Land Iguanas. Emergence of a New Species. In: GALÁPAGOS: Preserving Darwin's legacy. (Ed. T. De Roy), Bateman Ltd, Auckland, NZ. Pp. 114-121.

I have also participated to the making of the serial TV program "Missione Natura", broadcasted by the Italian TV LA7, with the episode dedicated to the Galápagos. He contributed to the making of the serial TV "Evoluti per caso: sulle orme di Darwin", broadcasted by the National Italian TV RAI TV and SKY.

Recently (June 2012), he contributed to the making of the Cine 3D (IMAX) and TV five-hours documentary movie produced by Colossus Production about Galápagos. With the participation of Sir David Attenborough. GG curated the part related to the Galápagos Pink Land Iguana and participated himself in the filming, illustrating the Pink Iguana Project.

Bookmarks

['Pink iguanas unseen by Darwin offer evolution clue' by Yahoo News - Richard Dawkins.net](#)
['Pink' iguana product of ancient divergence, scientists say](#)
[BBC NEWS Science & Environment Pink iguana rewrites family tree](#)
[Conolophus rosada - Wikipedia, the free encyclopedia](#)
[Cryptomundo » Galapagos New Pink Iguanas](#)
[Current Biology - In the pink](#)
[Darwin missed 'earliest' Galapagos species - environment - 05 January 2009 - New Scientist](#)
[Darwin missed rare pink Iguana species on Galapagos Islands Silver Scorpio - International News Spot](#)
[News Top News Flas](#)
[Darwin missed rare pink Iguana species on Galapagos Islands](#)
[Digg - Pink Iguana Discovered in Galapagos; Doh! says Darwin](#)
[DNA Sci-Tech New species of pink iguana discovered Study](#)
[Elusive pink iguana eluded even Darwin Science Buzz](#)
[euronews Filmato l'iguana rosa alle Galapagos](#)
[Evolution of species Pink iguanas offer evolution clue - Nachrichten English-News - WELT ONLINE](#)
[Evolving Complexity Rosada Pink Iguana.](#)
[FARK.com \(4123730\) God puts giant pink iguana on Galapagos Islands to prove Darwin wrong \(pic\)](#)
[Galapagos islands - FOGNZ » The Pink Iguana](#)
[Galapagos Pink Iguana Stock Photography Photo Gallery Stock Image Stock Photo AAP Image Australia](#)
[GALAPAGOS PINK IGUANA IDENTIFIED Italy](#)

[Galapagos pink iguana identified Lazio Travel to Italy - Italian People & Places - Italy Style, Food and Wine](#)

[Galapagos Pink Iguana Rewrites Family Tree - Discovery Initiatives](#)

[Galapagos Pink Iguana](#)

[Galapagos Surprise Again With Pink Iguana NPR](#)

[Galapagos.org Pink Iguana Genetic Studies Reveal a New Species in Galapagos](#)

[Galápagos Pink Iguana New Species Discovered! A Living Fossil on Isabela Island](#)

[Giant Pink Lizard Is Newest Species Found - CBS News](#)

[Greg Laden's Blog Pink Iguanas and Disappearing Islands](#)

[Home page del sito dell'università degli Studi di Roma Tor Vergata](#)

[jffleck at inkstain » Stuff I Wrote Elsewhere Pink Iguanas Edition](#)

[Keegy Canada - feral-goats - New Pink Iguana Identified on Lone Galapagos Volcano](#)

[Kwoff - Darwin missed this pink iguana](#)

[L'iguana rosa delle Galapagos](#)

[New Galapagos Iguana Species, Unseen by Darwin, Found \(Update1\) - Bloomberg.com](#)

[New Mexico Independent » Today's Top Blogs In which we inaugurate the pink iguana chaser](#)

[New Pink Iguana Identified on Lone Galapagos Volcano - Towleroad, More than gay news. More gay men](#)

[NEW SPECIES of Galápagos iguana recognized « The Conservation Report](#)

[Newly discovered pink iguana sheds light on Galapagos evolution](#)

[Not Exactly Rocket Science The pink Galapagos iguana that Darwin never saw](#)

[Observatory - Pink Iguana Is Distinct in Other Ways Too - NYTimes.com](#)

[Observatory Pink Iguana Is Distinct in Other Ways Too - NY Times Science Eureka! Science News](#)

[PALAEOBLOG Pink Iguana On The Galápagos](#)

[Pet News Examiner Pink iguana, purple squirrel. What's next, nature An orange skunk](#)

[PHOTO Pink Iguana Species Discovered](#)

[PHOTO IN THE NEWS Pink Iguana Species Discovered](#)

[Picture of the Week—Pink Iguana Surprising Science](#)

[Pink Iguana - GeckoForums.net](#)

[Pink Iguana - Mahalo](#)

[Pink Iguana -- BlogCatalog Topic -- BlogCatalog](#)

[Pink iguana causes a stir in Galapagos Audley Travel](#)

[Pink Iguana Discovered -- Boys' Life magazine](#)

[Pink Iguana Discovered in Galapagos Doh says Darwin ScienCentral Science Videos Science News](#)

[Pink Iguana Discovered in Galapagos « ...free your imagination...](#)

[Pink iguana discovered on Galapagos - Telegraph](#)

[Pink iguana discovered on Galapagos - Unexplained Mysteries Discussion Forums](#)

[Pink iguana discovered on Galapagos » Propeller](#)

[Pink Iguana Ends Evolution Silence - Lifestyle - Javno](#)

[Pink Iguana Found In Galapagos - Topix](#)

[Pink Iguana Found on Galápagos Volcano - NatGeo News Watch](#)

[Pink iguana is distinct in other ways too - International Herald Tribune](#)

[Pink iguana rewrites family tree Evolution Diary](#)

[Pink iguana rewrites family tree - Minute By Minute, Javno](#)

[Pink iguana rewrites family tree -- Current](#)

[Pink iguana rewrites family tree](#)

[Pink Iguana That Darwin Missed Holds Evolutionary Surprise I Think](#)

[Pink Iguana That Darwin Missed Holds Evolutionary Surprise Wired Science from Wired.com](#)

[Pink Iguana That Darwin Missed Holds Evolutionary Surprise - Darwin Island Galapagos - Zimbio](#)

[Pink Iguana That Darwin Missed Holds Evolutionary Surprise](#)

[Pink iguana, purple squirrel. What's next, nature An orange skunk - Worldnews.com](#)

[Pink iguanas - Nothing's Shocking - Noah Gray's blog on Nature Network](#)

[Pink Iguanas Discovered - News Bites - National Geographic Kids](#)

[Pink iguanas discovered on Galapagos Islands - Travel Amazing South America Forums](#)

[Pink iguanas found on the Galapagos The Australian](#)
[Pink iguanas unseen by Darwin offer evolution clue Science Reuters](#)
[Pink iguanas, autism bank, heavy galaxy, confusing light and flu fatalities - 07 January 2009 - New Scientist](#)
[Pink Lizard Found on Galapagos NBC New York](#)
[Planeta Azul » PINK IGUANAS UNSEEN BY DARWIN OFFER EVOLUTION CLUE](#)
[Portale Università TorVergata - Galapagos, biologi di Tor Vergata scoprono iguana rosa sfuggita a Darwin](#)
[Pretty in pink new iguana discovered COSMOS magazine](#)
[Rare pink iguana discovered on the Galapagos Islands - Zoology sci-tech, science euronews](#)
[Rare Pink Iguana Eluded Darwin and Others LiveScience](#)
[Rare Pink Iguana Eluded Darwin and Others - US News and World Report](#)
[Rare Pink Iguana Evaded Darwin Discovery News](#)
[Rare pink iguana evaded Darwin EbigPress - News and Press Release](#)
[Rare Pink Iguana Evaded Darwin Great News Network](#)
[Rare Pink Iguana Evaded Darwin NowPublic News Coverage](#)
[Rare pink iguana evaded Darwin - Discovery.com- msnbc.com](#)
[Rare pink iguana evaded Darwin - Science Forums](#)
[Rare Pink Iguana Missed By Darwin Offers Evolution Clues - Science - redOrbit](#)
[Rare, Storied Pink Iguana Discovered Popular Science](#)
[Scientists Discover Giant Pink Iguana -- ZooToo Pet News](#)
[Scientists Found New Species of Galapagos Pink Iguana - Neatorama](#)
[The Galapagos Pink Iguana - Animal Life](#)
[The Great Beyond Newly discovered iguanas not so newly discovered](#)
[The Guild of Scientific Troubadours » Pink Iguana!](#)
[The one that Darwin missed Striking new pink iguana species found on Galapagos Mail Online](#)
[The one that Darwin missed Striking new pink iguana species found on Galapagos](#)
[The Pink Iguana is the New Species Found in the Galapagos Islands Archipelago](#)
[The pink iguana that Charles Darwin missed - Times Online](#)
[The Riddle of Pink Iguana in the Galápagos](#)
[The St. Petersburg Times - World - New Pink Iguana Discovered](#)
[Think pink Galapagos' rosy lizard is new species MNN - Mother Nature Network](#)
[Think pink Galapagos' rosy lizard is new species](#)
[This Side of the Pond » Galapagos Pink Iguana Discovered](#)
[This Sneaky Pink Iguana Evaded Charles Darwin's Attention TreeHugger](#)
[Torvergata.TV](#)
[WLMD Newswatch - Pink iguanas are a new species - Where Light Meets Dark \(www.wherelightmeetsdark.com\)](#)
[Yum! New species discovered Galapagos pink land iguana](#)