



Giacomo Chiappa

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Date of birth: 22/08/1996 **Nationality**: Italian

BACKGROUND

Researcher in Marine and Evolutionary Biology

I am an evolutionary biologist specialized in marine gastropods. My research topics range from systematics revisions to ecological and population genetics studies.

During my master thesis in Sapienza University of Rome I learned how to perform the taxonomic revision of neglected gastropod taxa using an integrative approach, combining shell morphology and body anatomy with the analysis of molecular markers. My PhD was focused on investigating ecology to answer evolutionary questions: I described the toxic cocktail of a venomous snail using transcriptomic data; I documented a sexual and geographic dimorphism in the same species using anatomical and mitochondrial data; I studied the population genetic structure of species with different larval development using reduced-representation sequencing data. My first post doc activity was in France (Paris), where I was trained on whole-genome data analysis.

My work experience include:

- Management of wet and dry malacological collections (~4 years)
- Identification and sorting of material for museal collections (~4 weeks)
- Molecular laboratory activities: DNA extraction, DNA amplification, gel electrophoresis, amplicon purification (+1000 Sanger sequences produced)
- Mollusk dissections: radulae preparation, internal anatomy description (~100 specimens)
- Sampling campaigns for collection, preservation and tissue clipping of marine mollusks (~50 days)
- Bioinformatics for Sanger sequences: identification, species delimitation, phylogenetics
- Bioinformatics for NGS sequences: transcriptomics, population genomics, genome annotation
- Tutoring and teaching assistance (4 Master students, +100 hours laboratories for bachelor and master students, 2 seminars)
- Congress participation (2 posters, 2 talks)
- Scientific paper writing (4 published, 1 accepted)

WORK EXPERIENCE

Muséum national d'Histoire naturelle

City: Paris | **Country**: France

[10/03/2025 – 10/09/2025] **Post doc Fellowship**

Genome annotation and differential expression among tissues in the venomous neogastropod *Mitra mitra*.

EDUCATION AND TRAINING

- [01/11/2024] **PhD in Environmental and Evolutionary Biology**
Sapienza University of Rome, Faculty of Mathematical, Natural and Physical Sciences
Address: Piazzale Aldo Moro, 5, 00185, Rome, Italy | | **Level in EQF:** EQF level 8
- [22/10/2021] **Master's Degree in Ecobiology**
Sapienza University of Rome, Faculty of Mathematical, Natural and Physical Sciences
Address: Piazzale Aldo Moro, 5, 00185, Rome, Italy | |
Final grade: 110/110 cum laude | **Level in EQF:** EQF level 7
- [17/12/2018] **Bachelor's Degree in Biology**
Sapienza University of Rome, Faculty of Mathematical, Natural and Physical Sciences
Address: Piazzale Aldo Moro, 5, 00185, Rome, Italy | | **Level in EQF:** EQF level 6

ADVANCED COURSES

- [28/06/2023 – 30/06/2023] **“RNA-seq analysis course “**
Alta Forazione Insubria — Training on transcriptome analysis bioinformatic pipeline
- [20/06/2022 – 24/06/2022] **Summer school in Bioinformatics**
Physalia-courses — Training on working with NGS-data on a computing cluster
- [12/06/2023 – 13/06/2023] **The ancient DNA revolution: from the initial attempts to the Nobel Prize**
Scuola di Genetica in Cortona “Mario Polsinelli” — Seminars on past and future of ancient DNA studies

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

French

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

What is the population structure of poecilogonic species? Evidence from large scale genotyping in a neogastropod lineage (Conoidea: Raphitoma)

Submitted to Molecular Ecology (pending review)

- [2025] [Sexual dimorphism and geographic polymorphism in *Raphitoma purpurea* \(Neogastropoda: Raphitomidae\)](#)

- [2024] [First record of *Raphitoma ephesina* Pusateri, Giannuzzi Savelli & Stahlschmidt, 2017 \(Gastropoda: Conoidea: Raphitomidae\) from the Atlantic, with an assessment of its systematics](#)
- [2024] [Potential Ancestral Conoidean Toxins in the Venom Cocktail of the Carnivorous Snail *Raphitoma purpurea* \(Montagu, 1803\) \(Neogastropoda: Raphitomidae\)](#)
- [2024] [The polymorphic top-shell puzzle: iterative taxonomy of *Calliostoma Swainson, 1840* \(Gastropoda: Calliostomatidae\) in the Mediterranean Sea](#)
- [2022] [How Many Abalone Species Live in the Mediterranean Sea?](#)

CONFERENCES AND SEMINARS

- [03/08/2025 – 07/08/2025] **World Congress of Malacology 2025** São Paulo, Brasil
 Poster on genome annotation and venomics of *Mitra mitra*
 Talk on population genetics of poecilogonic species in genus *Raphitoma*
- [19/12/2024] **Master Class course "Marin biodiversity and biological systematics" 2024 — Sapienza University of Rome**
 Rome, Italy
 Seminar on NGS technology, case study on population genetics
- [23/04/2024] **2° Workshop su Supercalcolo — Department of Statistical Sciences (Sapienza University of Rome)**
 Rome, Italy
 Seminar on how to use container technology for bioinformatic analyses on supercomputing clusters.
- [21/12/2023] **Master Class course "Marin biodiversity and biological systematics" 2023 — Sapienza University of Rome**
 Rome, Italy
 Seminar on NGS technology, case study on population genetics
- [14/10/2023 – 17/10/2023] **EvoMar 2023** Rome, Italy
 Talk on local and global projections of gastropod diversity
- [01/08/2022 – 05/08/2022] **World Congress of Malacology 2022** Munich, Germany
 Poster on systematics of *Calliostoma* (2nd best prize - UM)

HONOURS AND AWARDS

- [24/06/2025] **LinneSys: Systematics Research Fund Awarding institution:** The Linnean Society of London
 - [21/11/2024] **International Post-degree Scholarship Awarding institution:** Sapienza University of Rome
 - [31/05/2024] **2024 UM Student Research Awards Awarding institution:** Unitas Malacologica
 - [23/11/2023] **Evolmar 2023 Photo & Video Contest Award - 1st prize for Laboratory Category Awarding institution:** SIBE
 - [20/11/2023] **Avvio alla Ricerca - Tipo 1 Award Awarding institution:** Sapienza University of Rome
 - [06/04/2023] **Early-Career Research Award Awarding institution:** Malacological Society of London
 - [05/08/2022] **Student Presentation Award - 2nd prize for Posters Awarding institution:** Unitas Malacologica
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Rome, 16/09/2025



Giacomo Chiappa

A conoscenza di quanto prescritto agli art 46 e seguenti del D.P.R. 28 dicembre 2000 n. 445, sulla responsabilità penale cui può andare incontro in caso di falsità in atti e di dichiarazioni mendaci, nonché di quanto prescritto dall'art. 75 del D.P.R. 28 dicembre 2000 n. 445, sulla decadenza dai benefici eventualmente conseguenti al provvedimento emanato sulla base di dichiarazioni non veritiere, ai sensi e per gli effetti del citato D.P.R. n. 445/2000 art 46, e sotto la propria personale responsabilità dichiaro che tutte le informazioni contenute nel proprio curriculum vitae sono veritiere. Presto consenso all'utilizzo dei dati personali in conformità al Regolamento Generale sulla Protezione dei Dati (GDPR) n. 679/2016 ed al D.Lgs. 10 agosto 2018, n. 101 in materia di protezione dei dati personali.

