

Curriculum Vitae

PERSONAL INFORMATION

Name: Luigi Caputi

WORK EXPERIENCES

September 2021 – Current

Freelance Bioinformatician and Biostatistician

Contratti di Consulenza Professionale

22-11-2022/22-01-2023

Contratto di consulenza professionale presso l'Università degli Studi Federico II di Napoli, dal titolo *“Attività di analisi biologica molecolare e bioinformatica” nell'ambito del progetto From bed to benchside: understanding The molecular mechanisms of disease progression in neuroendocrine Nephroblastoma*. *FAITH IN DREAMS*, finanziato dal MIUR (Prin 2017Z3N3YC) CUP: E64I19000600001. Responsabile scientifico Prof. Antongiulio Faggiano

30-03-2022/30/04/2022

Contratto di consulenza professionale presso Università degli Studi Federico II, Dipartimento di Medicina Clinica e Chirurgia, assegnato con provvedimento n. 64 del 09/03/2022, responsabile scientifico Prof. Antongiulio Faggiano

“Clusterizzazione e analisi dei VCF provenienti da NGS al fine di identificare biomarcatori molecolari nell'ambito dei tumori neuroendocrini”

Bandi Mepa

15/07/2022 – 24/08/2022

Università degli Studi di Ferrara, dipartimento di Scienze Mediche

Analisi Bioinformatica di SNPs da biopsia solida e liquida, - Progetto PRIN2017 - Prof.ssa Zatelli Ordine n. 235 del 15/07/2022, CUP F54I19000300001, Cig Y3D37209BA

07/09/2022 – 30/09/2022

Università di Roma 'La Sapienza', Dipartimento di Medicina Sperimentale Servizio di analisi bioinformatica, numero trattativa 3169104, GIG ZB73794D39, CUP B88D19000600001, Ordine n. 356

As freelancer. Jobs titles (Job success score 100%)

A Meta-Analysis on the Efficacy of Seagrass in Heavy Metal Elimination

Academic Editors - Earth ScienceGeoscience

Ecology Report

Gene expression analysis by Hierarchical Clustering and heat map

Genomic Tutor

TAI (Trans-Anal Irrigation)

How pgp bacteria can control the carbon capture increasing within the increase in temperature

Microbiome 16S amplicon bioinformatics analysis

Microsatellites bioinformatics analysis for population genetics

RNA and Protein Functional Analysis

R statistician required for population ecology project

VTE system

Expert Genomics biologist

RNA Sequence Analyses

Spatial Data Handling and Modelling Using R

seagrass habitat under projected climate change

Evolutionary Genomics of Tunicates

Mangroves Forest in Saudi Arabia

structural equation modelling

Review Prognostic clinical phenotypes of patients with acute

GLG

Klebsiella genome

Barcode DNA data analysis and interpretation

Behavioural Data analysis

Conditional power calculations for clinical trials using historical controls

Determine lake sturgeon spawning migration and genetic relatedness from movement and genetic data

Exploraion behavior and maturation genotype

Genomic and DNA data interpretation

Genomics with Statistical methods

MiSeq Data Analysis of Microbiome Study

Processing single cell and bulk RNA sequencing datasets

Protein Secondary Structure Prediction

RNA-seq and metabolomics analysis, figures, R user, plus help me edit a research paper

Scientific research projects on molecular transcriptomics

Academic Carreer

February 2020 – July 2021

Collaboration (Co.Co.Co.): Borsa di Studio n. 36/2019: Studio dei processi fisiologici di organismi planctonici esposti a variazioni ambientali attraverso analisi di metadati (Study of the physiological processes of planktonic organisms exposed to environmental variations through metadata analysis).

Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Napoli (Na) - Italia

Tel. +39 081 5833111, stazione.zoologica@szn.it

Tasks: Data analysis via bioinformatics tools, data integration and interpretation, scientific article writing

June 2019 – September 2019

Collaboration (Co.Co.Co.): Segreteria scientifica nell'ambito del progetto 'School of Inquiry' (SOL), ACPR15T4_00299"

April 2018 – March 2019

Research Collaborator (Post-Doc) – Borsa di studio n. 04/2018 - *Relazione per la presenza di organismi planctonici e quella di tratti funzionali ricavati da dati di metatrascrittomica e metagenomica nello spazio e nel tempo.*

Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Napoli (Na) - Italia

Tel. +39 081 5833111, stazione.zoologica@szn.it

Tasks: Data analysis via bioinformatics tools, data integration and interpretation, scientific article writing

January 2016 – December 2017

Research Collaborator (Post-Doc) – Assegnista di ricerca (Assegno di ricerca n. 16/2015) – *Analisi di dati metagenomici per lo studio della diversità funzionale delle diatomee.*

Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Napoli (Na) - Italia

Tel. +39 081 5833111, stazione.zoologica@szn.it

Tasks: Data analysis via bioinformatics tools, data integration and interpretation, scientific article writing

- January 2014 - December 2015 Research Collaborator (Post-Doc) – Assegnista di ricerca (Assegno di ricerca n. 14/2013) – *Functional Diversity in marine organisms*
Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Napoli (Na) - Italia
Tel. +39 081 5833111, stazione.zoologica@szn.it
Tasks: Data analysis and integration of metadata (metabarcode, metatranscriptomic and metagenomic, environmental data and others) in the frame of the TARA Oceans project (the 'STEFI' project). Coordination of the biodiversity and functional investigation sections of the project. Scientific article writing. Evolutionary Biology, Molecular Ecology
- February 2012 – December 2014 Research Collaborator (Post-Doc) - Assegnista di ricerca (Bando N.5/2011, Prot. N. 564/B6)
Genetic variability in natural populations of *Ciona intestinalis*
Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Napoli (Na) - Italia
Tel. +39 081 5833111, stazione.zoologica@szn.it
Tasks: Animal sampling, molecular biology wet lab, data analysis, scientific article writing. Evolutionary Biology, Molecular Ecology
- February 2009 – February 2011 Research Collaborator (Post-Doc) Contratto di collaborazione coordinata e continuativa per la ricerca finanziata dalla Provincia Autonoma di Trento: 'Ace-Sap' (n. prot: 477/c-8)
'Adaptive potential in freshwater invertebrates'
Museo Tridentino di Scienze Naturali (MTSN), Via Calepina 14, 38122, Trento (Tn) – Italia, Tel. +39 0461 2703311, comunica@mtsn.tn.it
Tasks: Animal sampling, molecular biology wet lab, data analysis, scientific article writing. Evolutionary Biology, Molecular Ecology
- November 2006 - March 2008 Research Collaborator (Post-Doc) – Speciation in *C. intestinalis*, Study of natural mutants in *C. intestinalis*
Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Napoli (Na) - Italia
Tel. +39 081 5833111, stazione.zoologica@szn.it
Tasks: Animal sampling, molecular biology wet lab, data analysis, scientific article writing. Molecular Ecology
- September 2001- September 2002 Research Collaborator (Pre-Doc) - Neurophysiology of the optic lobe in *Octopus vulgaris*
Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Napoli (Na) - Italia
Tel. +39 081 5833111, stazione.zoologica@szn.it
Tasks: Animal handling, Extracellular recording, data analysis. Marine invertebrate neurophysiology

PARTECIPATION TO NATIONAL AND INTERNATIONAL PROJECTS

- 2019 Project: Progetto School For Inquiry (SFI), ACPR15T4_00299.
Technical and scientific secretariat, Member of the Organizing Committee.
Achievements: Organization of two Workshops.
- 2018 – 2019 Project: RITMARE (Ricerca Italiana per il MARE) . Progetto Bandiera of the Italian National Research Program, funded by the Ministero dell'Università e della Ricerca
Research collaboration in Study on marine organismes functional traits derived from metatranscriptomic and metagenomic data in space and time.
Achievements: 2 peer-reviewed scientific articles published. Participation to seminar and congresses.
- 2014 - 2015 Project: EU 7FP project Micro B3 (Marine Microbial Biodiversity, Bioinformatics, Biotechnology)
Research collaboration in Functional Diversity in marine organisms.
Achievements: 2 peer-reviewed scientific articles published. Participation to seminar, courses and congresses.
- 2014 – 2019 Project: TARA Oceans. Funded by the Tara Oceans Foundation.
Research collaboration in Plankton Community response to nutrients availability
Achievements: 5 peer-reviewed scientific articles published. Participation to seminar and congresses.
- 2012 – 2014 Project: Genetic variations in *Ciona intestinalis*. Progetto Premiale Stazione Zoologica Anton Dohrn, Napoli.
Research collaboration in Genetic variability in natural populations of Ciona intestinalis
Achievements: 4 peer-reviewed scientific articles published. Participation to seminar and congresses
- 2009 - 2011 Project: ACE-SAP “Ecosistemi Alpini e Cambiamento Ambientale – Sensibilità e potenziale adattativo della Biodiversità”, funded by Provincia Autonoma di Trento (Bando Grandi Progetti 2006) and developed by: Edmund Mach Foundation (Italy), Neale Lab, UC Davis (U.S.A.), Museo Tridentino di Scienze Naturali (Italy), Museo Civico di Rovereto (Italy).
Research collaboration in ‘Adaptive potential in freshwater invertebrates’
Achievements: 1 peer-reviewed scientific article published. Participation to seminar and congresses

QUALIFICATIONS, AWARDS, TEACHING AND MEMBERSHIPS

- November 2019** Qualification for researcher position in Ecology (Conseguimento dell'ideità nell'ambito del concorso decreto 358.2019 per il reclutamento di un ricercatore con contratto a tempo determinato settore 05/A1 *Ecologia* s.s.d. Bio/07 *Ecologia* presso il Dipartimento di Scienze Ecologiche e Biologiche dell'Università degli Studi della Tuscia (Viterbo)
- January 2016** Tutor in the Course 'Advanced Statistic for Biology and Ecology', Stazione Zoologica 'A. Dohrn', 12- 15, 01, 2016
- January 2012** Qualification for researcher position in Structure and Function of Forest Ecosystems (Conseguimento dell'ideità con punteggio di 77.75/110 nell'ambito del concorso pubblico Bando 364.96, Area Scientifica E2 (Scienze dell'ambiente), Codice di riferimento RM10/2)
- Consiglio Nazionale delle Ricerche, Area di Ricerca Roma I, Via Salaria km. 29.3, c.p. 10 00016, Monterotondo Scalo, RM
- April 2011** Qualification for researcher position in Polar Environment Biodiversity (Conseguimento dell'ideità con punteggio di 71/110 nell'ambito del concorso pubblico Bando 364.97, Area Scientifica E2 (Scienze dell'ambiente), Codice di riferimento NA7/1, raggruppamento omogeneo I)
- Consiglio Nazionale delle Ricerche, Area di Ricerca Napoli I, Via P. Castellino, 111 – 80131 NAPOLI
- July 2010** Qualification for researcher position awarded at the Stazione Zoologica A. Dohrn
- (Conseguimento dell'ideità con punteggio di 68.3/100 nell'ambito del concorso pubblico Bando 11/2009, Stazione Zoologica A. Dohrn, Napoli)
- September 2009** Tutor in the workshop 'Freshwater invertebrates'
- Stazione Limnologica del Lago di Tovel (Tn) dal 31 Agosto al 4 Settembre 2009 per un totale di 40 ore (n. prot. 3515/B-5)
- Member of the Editorial Board of *Coevolution*, part of the journal *Frontiers in Ecology and Evolution*, as Review Editor.
 - Topic Editor of Waters MDPI
 - Guest Editor of 'Water' Special Issue "The Phytoplankton-Zooplankton Link under Anthropogenic Pressures".
 - Reviewer of scientific papers for the following international journals: *Frontiers in Zoology*, *Marine Genomics*, *Molecular Ecology*, *BMC Bioinformatics*, *Plos One*, *Biodiversity*, *Water*,
- Reviewer of National Science Fundation proposal n. 2023133

- Member of the SIBE, Società Italiana di Biologia Evoluzionistica - ISEB, Italian Society for Evolutionary Biology

EDUCATION AND TRAINING

10/12/2018	Workshop: "Come scrivere una proposta di successo nel programma ERC"
November 2002 – November 2007	PhD in Life Science PhD Fellowship in 'Hox and ParaHox in Tunicates: Genomic organization, Regulation and Biogeography' Molecular evolution of Hox/ParaHox in <i>Ciona intestinalis</i> . Phylogeny of <i>Ciona intestinalis</i> Open University, UK/Stazione Zoologica Anton Dohrn, Italia
July, 2001	Degree in biological Science (110/110 cum laude) Synaptic plasticity of <i>Loligo vulgaris</i> chromatophores Università degli Studi Di Napoli Federico II /Stazione Zoologica Anton Dohrn, Italia

SKILLS

Mother tongue(s)	Italian
Other language(s)	English (advanced Listening/Reading/Speaking/Writing)
Communication skills	Excellent ability to work in groups and interact with other people, gained in over ten years of experimental research
Organisational/managerial skills	Excellent ability to be part of competitive network composed of associate professors, researchers, post-doc and students. Planning and addressing the research lines. Coordination of research projects. Organization of workshops.
Technical skills	Bioinformatics and data analysis, Genomics, Transcriptomics, NGS, Functional Genomics, Phylogenetics, Telemetry, Population Genetics, MetaBarcoding, Genome-wide association and Polygenic Risk Score R language computing skills and use of R packages (Bioconductor Packages, vegan, ade4, Adegnet, ape, bioconductor, correlplot, gplots, ggplot2, glatos, etc...) Genome-wide association and Polygenic Risk Score (Plink, Blink, R Packages as vcfR, SNPRelate, Seurat) Mitogenome sequencing, assemblage and annotation Ecological modelling DNA, mRNA and protein alignment and analyses Phylogenetic analyses (Distance methods, Maximum Likelihood methods, Bayesian Inference) Ancestral sequence reconstruction (ML, MP) Population genetics (Arlequin, DNAsp, Structure, GeneAlex, Genetix, GenePop, Coancestry, Colony, NE Estimator)

Genetic Networks construction (Network, TCS)
Gene mapping (Haploview, MapMaker)
SNP analysis (GeneMapper)
Genome analysis (Vista, CENSOR, CONSITE, TransFac, Linguistic complexity programs, Apollo, Augustus)
Bayesian Approximate Computation
Ecology metadata integration

Molecular and cell biology

DNA, cDNA, RNA extraction and amplification
EPIC, non-EPIC, SNPs, RealTime and microsatellites oligos design
Gel Electrophoresis
PCR and Real Time PCR
Cloning techniques
DNA sequencing
Field sampling of marine and freshwater invertebrates
In situ hybridization

Morphometric analysis

Relative warp analysis, Thin-plate splin analysis, Principal component analysis (tpsDIG, tpsRelx, Morphologika)

Culture of marine invertebrates**Neurophysiology**

Intra- ed extra-cellular stimulation and recordings

Physiology and Biochemistry

Extraction of microsomal fraction
Fluorometric Detection of detoxification
Nanoliter Osmometer Thermal Hysteresis detection

Computer skills

Advanced command of Microsoft Office and Libre Office tools
R language computing skills and use of R packages
Good knowledges of Linux system

Driving licence

B

Publications **Published/Accepted**

1. Caputi, L. (2024). Evolutionary Genomics of Tunicates. *Science Reviews. Biology*, 22.
2. Jana Veselá-Strejcová, Eleonora Scalco, Adriana Zingone, Sébastien Colin, **Luigi Caputi**, Diana Sarno, Jana Nebesářová, Chris Bowler, Julius Lukeš (2023). Diverse eukaryotic phytoplankton from around the Marquesas Islands documented by combined microscopy and molecular techniques. *Protist*
3. David Osca, **Luigi Caputi**, Valentina Tanduo, Rosa Maria Sepe, Assunta Liberti, Francesco Tiralongo, Iolanda Venuti, Marina Ceruso, Fabio Crocetta, Paolo Sordino, Tiziana Pepe (2022). The complete mitochondrial genome of the zebra seabream *Diplodus cervinus* (Perciformes, Sparidae) from the Mediterranean Sea. Mitochondrial DNA Part B
4. D'Alelio, D., Russo, L., Del Gaizo, G., & **Caputi, L.** (2022). Plankton under Pressure: How Water Conditions Alter the Phytoplankton–Zooplankton Link in Coastal Lagoons. *Water*, 14(6), 974.
5. **Caputi, L.**, Osca, D., Ceruso, M., Venuti, I., Sepe, R. M., Anastasio, A., ... & Sordino, P. (2021). The complete mitochondrial genome of the white seabream *Diplodus sargus* (Perciformes: Sparidae) from the Tyrrhenian sea. *Mitochondrial DNA Part B*, 6(9), 2581-2583.
6. Santin A, **Caputi L**, Longo A, Chiurazzi M, D'Alcalà MR, Russo MT, et al. Integrative omics identification, evolutionary and structural analysis of low affinity nitrate transporters in diatoms, diNPFs. *Open Biol.* 2021;11. doi:<https://doi.org/10.1098/rsob.20039>
7. **Caputi, L.**, Ceruso, C., Venuti, I., Osca, D., Anastasio, A., Crocetta, F., Sordino, P., Pepe, T. (2020). The complete mitochondrial genome of the white seabream *Diplodus sargus* (Perciformes: Sparidae) from the Tyrrhenian Sea. *Mitochondrial DNA Part B*, 6:9, 2581-2583, DOI: 10.1080/23802359.2021.1915209
8. Busseni, G., **Caputi, L.** Piredda, R. Fremont, P., Hay Mele, B., Campese, L., Scalco, E. de Vargas, C., Bowler, C., d'Ovidio, F., Zingone, A., Ribera d'Alcalà, M., Iudicone, D. (2020). Large scale patterns of marine diatom richness: Drivers and trends in a changing ocean. *Global Ecology and Biogeography* 29 (11), 1915-1928. **This paper had the Cover of the GEB Issue 29(11), 2020.*
9. Ceruso, C., Venuti, I., Osca, D., **Caputi, L.**, Anastasio, A., Crocetta, F., Sordino, P., Pepe, T. (2020). The complete mitochondrial genome of the sharpsnout seabream *Diplodus puntazzo* (Perciformes: Sparidae). *Mitochondrial DNA Part B* 5 (3), 2379-2381.
10. Sepe R.M., Hee J., Ghiron L., Zucchetti I., **Caputi L.**, Tarallo R., Crocetta F., Santis R. De, Aniello S.D., Sordino P. (2020). The EJC component Magoh in non-vertebrate chordates. *Dev. Genes Evol.* 230(4), 295-304.

11. Sordino, P., D' Aniello, S., Pelletier, E., Wincker, P., Nittoli, V., Stemmann, L., Mazzocchi, M.G., Lombard, F., Iudicone, D., **Caputi, L.**† (2020).
Into the bloom: molecular response of pelagic tunicates to fluctuating food availability.
Molecular Ecology. 2020;29:292–307. DOI: 10.1111/mec.15321. †**Corresponding author**.
12. Crocetta, F., **Caputi, L.**, Paz Sedano, S., Tanduo, V., Vazzana, A., Oliverio, M. (2020).
High genetic connectivity in a gastropod with long-lasting planktonic larvae.
Journal of Molluscan Studies (2020) 86: 42–55. doi:10.1093/mollus/eyz032
13. Busseni, G., Rocha Jimenez Vieira, F., Amato, A., Pelletier, E., Pierella Karlusich, Juan J., Ferrante, Maria I., Wincker, P., Rogato, A., Bowler, C., Sanges, R., Maiorano, L., Chiurazzi, M., Ribera d'Alcalà, M., **Caputi, L.**†, Iudicone, D.† (2020).
Meta-omics reveals genetic flexibility of diatom nitrogen transporters in response to environmental changes.
Molecular Biology and Evolution, 36(11), 2522–2535,
<https://doi.org/10.1093/molbev/msz157>. †: **Corresponding author**
14. **Caputi, L.***†, Toscano, F., Arienzo, M., Ferrara, L., Procaccini, G., & Sordino, P.† (2019).
Temporal correlation of population composition and environmental variables in the marine invader *Ciona robusta*.
Marine Ecology, 1–16. <https://doi.org/10.1111/maec.12543>. *: **first author**, †: **Corresponding author**
15. **Caputi, L.***, Carradec, Q., Eveillard, D., Kirilovsky, A., Pelletier, E., Pierella Karlusich, J. J., ... Iudicone, D. (2019).
Community-Level Responses to Iron Availability in Open Ocean Plankton Ecosystems.
Global Biogeochemical Cycles, 33(3), 391–419. <https://doi.org/10.1029/2018gb006022>. *: **first author**
This paper had a GBC commentary (<https://doi.org/10.1029/2019GB006181>) and the Cover of the BGC Issue 33 (3) 2019
16. Ambrosino, L., Vassalli, Q. A., D'Agostino, Y., Esposito, R., Cetrangolo, V., **Caputi, L.**, ... Locascio, A. (2018).
Functional conserved non-coding elements among tunicates and chordates. , (May), 1–10.
<https://doi.org/10.1016/j.ydbio.2018.12.012>
17. D'Alelio, D., Eveillard, D., Coles, V. J., **Caputi, L.**, D'Alcalà, M. R., & Iudicone, D. (2018).
Modelling the complexity of plankton communities exploiting omics potential from present challenges to an integrated pipeline.
Current Opinion in Systems Biology, 13, 68-74, <https://doi.org/10.1016/j.coisb.2018.10.003>.
18. Langelotto, F., Fiorentino, M., Felice, E., **Caputi, L.**, Nittoli, V., Joss, J. M. P., & Sordino, P. (2018).
Expression of meis and hoxa11 in dipnoan and teleost fins provides new insights into the evolution of vertebrate appendages.
EvoDevo, 9(1). <https://doi.org/10.1186/s13227-018-0099-9>.

19. Stec, K. F., **Caputi, L.***, Buttigieg, P. L., D'Alelio, D., Ibarbalz, F. M., Sullivan, M. B., ... Iudicone, D. (2017).

Modelling plankton ecosystems in the meta-omics era. Are we ready?

Marine Genomics, 32. <https://doi.org/10.1016/j.margen.2017.02.006>. *: first author

This paper had the Cover of the MG Issue 32, 2017

20. Affinito, O., Andreakis, N., **Caputi, L.**, Marino, R., Pannone, R., Sordino, P., & Procaccini, G. (2015).

High connectivity and directional gene flow in European Atlantic and Mediterranean populations of *Ciona intestinalis* sp. A.

Marine Ecology, 36(4). <https://doi.org/10.1111/maec.12226>

21. Vassalli, Q. A., Anishchenko, E., **Caputi, L.**, Sordino, P., D'Aniello, S., & Locascio, A. (2015).

Regulatory elements retained during chordate evolution: Coming across tunicates. *Genesis*, 53(1). <https://doi.org/10.1002/dvg.22838>

22. Pappalardo, A., Porreca, I., **Caputi, L.**, De Felice, E., Schulte-Merker, S., Zannini, M., & Sordino, P. (2015).

Thyroid development in zebrafish lacking Taz.

Mechanisms of Development, 138. <https://doi.org/10.1016/j.mod.2015.10.002>

23. **Caputi, L.***, Crocetta, F., Toscano, F., Sordino, P., & Cirino, P. (2015).

Long-term demographic and reproductive trends in *Ciona intestinalis* sp. A.

Marine Ecology, 36(1). <https://doi.org/10.1111/maec.12125>. *: first author

24. Arienzo, M., Toscano, F., Di Fraia, M., **Caputi, L.**, Sordino, P., Guida, M., ... Ferrara, L. (2014).

An assessment of contamination of the Fusaro Lagoon (Campania Province, southern Italy) by trace metals.

Environmental Monitoring and Assessment, 186(9). <https://doi.org/10.1007/s10661-014-3816-4>.

25. Dassi, E., Malossini, A., Re, A., Mazza, T., Tebaldi, T., **Caputi, L.**, & Quattrone, A. (2012).

AURA: Atlas of UTR regulatory activity.

Bioinformatics. <https://doi.org/10.1093/bioinformatics/btr608>

26. Sordino, P., Andreakis, N., Brown, E. R., Leccia, N. I., Squarzone, P., Tarallo, R., Alfano, C., **Caputi, L.**, ... Ristoratore, F. (2008).

Natural variation of model mutant phenotypes in *Ciona intestinalis*.

PLoS ONE, 3(6). <https://doi.org/10.1371/journal.pone.0002344>

27. **Caputi, L.*†**, Borra, M., Andreakis, N., Biffali, E., & Sordino, P. (2008).

SNPs and Hox gene mapping in *Ciona intestinalis*.

BMC Genomics, 9. <https://doi.org/10.1186/1471-2164-9-39>. *: first author, †:

Corresponding author

28. Piscopo, S., Moccia, F., Di Cristo, C., **Caputi, L.**, Di Cosmo, A., & Brown, E. R. (2007).
Pre- and postsynaptic excitation and inhibition at octopus optic lobe photoreceptor terminals; implications for the function of the “presynaptic bags.”
European Journal of Neuroscience, 26(8). <https://doi.org/10.1111/j.1460-9568.2007.05833.x>
29. **Caputi, L.**, Andreakis, N., Mastrototaro, F., Cirino, P., Vassillo, M., & Sordino, P. (2007).
Cryptic speciation in a model invertebrate chordate.
Proceedings of the National Academy of Sciences of the United States of America, 104(22).
<https://doi.org/10.1073/pnas.0610158104>. *: first author
30. Andreakis, N., **Caputi, L.**, & Sordino, P. (2007).
Characterization of highly polymorphic nuclear microsatellite loci from the ascidian *Ciona intestinalis*.
Molecular Ecology Notes, 7(4). <https://doi.org/10.1111/j.1471-8286.2006.01649.x>

Seminars and Workshops **Evolymar 2020. Marine Evolution 1st Italian Congress** online 23-25 November 2020

Oral Presentation:

Caputi, L., Piredda, R., D’Aniello, S., Sordino P.

Global diversity and distribution of Pelagic Tunicates

LW ERIC Scientific Community Meeting Program. Rome, 27-29 May, 2019. Oral presentation on “*Plankton and nutrients in the global ocean*”

Ocean & Climate Change - Inspiring STEM Education through networking and IBSE. Stazione Zoologica Anton Dohrn. Villa Comunale, Napoli - 22- 23 maggio 2019. Oral presentation on “*Schemi concettuali per un percorso didattico su Ocean and Climate Change*”

MicroB3 WP6 Meeting Agenda. Marseille, Monday 26 – Wednesday 28 January 2015

TARA OCEANS STEFI workshop Paris (France), 7th of October 2014

Phallusia Genome Jamboree Montpellier May 28-30, 2013

Seventh International Urochordate Meeting 2013, Napoli, Italy, July 22 – 26

Spatio-temporal populations dynamic of *Ciona intestinalis* sp. A at microgeographical scale. (Oral presentation). Caputi, L., Toscano, F., Procaccini, G., Sordino, P.

International Bryozoology Association – VII Larwood Meeting, Napoli 1st-2nd February 2007. Two cryptic species within the ascidian model system, *Ciona intestinalis* (Oral presentation - speaker). L. Caputi, N. Andreakis, P. Cirino, F. Mastrototaro, M. Vassillo, P. Sordino

17th International Chironomid Symposium, Tianjin, China, July 5-10, 2009

Cold Resistance in *Pseudodiamesa branickii* (Nowicki): Physiological, Molecular and Biochemical Aspects. P. Bernabò, L. Caputi, R. Frassanito, G. Guella, O. Jousson & V. Lencioni

Marine Genomics – An International Conference, Sorrento, 28th October -1st November 2006. Two cryptic species within the ascidian model system, *Ciona intestinalis*. (Oral presentation - speaker) L. Caputi, N. Andreakis, S. Kano, P. Cirino, F. Mastrototaro, M. Vassillo, P. Sordino. Phylogeography and cryptic diversity in the ascidian *Ciona intestinalis* (poster)N. Andreakis, L. Caputi, M. Vassillo, P. Sordino

Second International Urochordate Meeting 2003, Carry le Rouet, France, October 11 - 15th. A) Classical genetics in *Ciona intestinalis* in the genome era: polymorphisms, strains, and mapping (Oral presentation). S. Kano, L. Caputi, P. Sordino, N. Satoh, and R. De Santis. B) Maternal and zygotic functions of the gene *mago nashi* during *Ciona intestinalis* embryogenesis (Poster - Presenting author). J.H. Levialdi Giron, L. Caputi, I. Zucchetti, R. De Santis, P. Sordino

Prospettive della ricerca sulle ascidie in Italia, Stazione Zoologica “A. Dorhn”, Napoli, 3-4 Ottobre 2006. A) Genetic variation in *Ciona intestinalis*. (Oral presentation - speaker). L. Caputi B) Spontaneous mutations of *Ciona intestinalis*. (Oral presentation) P. Sordino, L. Caputi, S. Kano, G. Sorrenti, P. Cirino, M. Branno, E. Brown, N. Spagnuolo, L. Zanetti, F. Ristoratore

Dichiarazione sostitutiva di certificazione

(art. 46 D.P.R.28 Dicembre 2000 n. 445)

Il sottoscritto Luigi Caputi, Codice Fiscale CPTLGU75H09F839G, nato a Napoli (NA) il 09/06/1975 e residente in Via Arrigo Davila, n. 37, C.A.P. 00179, Roma (RM)

consapevole delle sanzioni penali richiamate dall'art. 76 del D.P.R 28 del Dicembre 2000 per le ipotesi di falsità in atti e dichiarazioni mendaci

DICHIARA

- che tutto quanto riportato nel presente curriculum vitae corrisponde al vero ai sensi del *ai sensi dell'art. 46 del D.P.R. 445/2000*)

Ai sensi dell'art. 10 della legge 675/1996 e successive modificazioni, le informazioni indicate nella presente dichiarazione verranno utilizzate unicamente per le finalità per le quali sono state acquisite.

Luogo e data Roma 29/10/2022

Firma

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