

UNIVERSITÀ DEGLI STUDI DI MILANO

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EMILIANO MANCINI - CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	MANCINI
NOME	EMILIANO
DATA DI NASCITA	14, OTTOBRE, 1977

INSERIRE IL PROPRIO CURRICULUM (non eccedente le 30 pagine)

HOME ADDRESS: Via del Forte Tiburtino 98, 00159, Roma (IT)

PHONE N°: +39 334 3436 990

EMAIL: emiliano.mancini@uniroma1.it

URL: <https://emilianomancini.wordpress.com/curriculum-vitae>

PART I - EDUCATION

EM graduated in Biology (2002) and obtained his PhD in Animal Biology (2007) at 'Sapienza' University of Rome by working on molecular ecology and phylogeny of sap-beetles (Coleoptera: Nitidulidae).

- 2007 PH. D. IN 'ANIMAL BIOLOGY' - 'SAPIENZA' University of Rome (Italy), Dept. of Biology & Biotechnology "C. Darwin"

Thesis title: Host-plant relationships and molecular ecology of beetle species of the B. coracinus complex, with development of novel molecular markers to investigate their phylogenetic histories.

- 2002 M. SC. IN BIOLOGICAL SCIENCES (CUM LAUDE) - 'SAPIENZA' University of Rome (Italy), Dept. of Biology & Biotechnology "C. Darwin"

Thesis title: Molecular ecology and phylogeny in a species-complex of pollen-beetles related to Brassicogethes coracinus (Coleoptera: Nitidulidae).

PART II - APPOINTMENTS

*From 2007 to 2014 EM has been working as a Post-Doc Fellowship at the 'Department of Public Health and Infectious Diseases' of SAPIENZA, contributing to **medical entomology** researches in the frame of European (EU-FP7) and international (e.g. N.I.H.) programs on vector-borne diseases, mostly focused on **population genetics and behavioural ecology of Anopheles** mosquitoes transmitting malaria in Sub-saharan Africa. In June 2014, EM has been hired by the*

'Department of Sciences' of ROMA TRE University as Assistant Professor (RTD-A) in the frame of the European EU-LIFE MIPP Project aimed to provide **standard monitoring methods for saproxylic EU-protected beetles to prevent biodiversity loss in forest ecosystems**. From 2014, he also started performing molecular phylogenetics, population genetics and biogeographic studies on **blister-beetles (Coleoptera: Meloidae)**, **longhorn and scarab beetles (Coleoptera: Scarabaeidae and Cerambycidae)**. From August 2018, EM is a Researcher (RTD-A) at the Department of Biology & Bioechnology "C. Darwin". He is currently involved in "CanBBio" Project (Cantharidin: from Biodiversity to Biotechnology), aimed at outlining the chemical diversity, evolution and role of cantharidin in blister beetles and to test novel-identified **cantharidin bio-active analogues** for medical and **pest control** purposes.

II.A - Academic Appointments

'SAPIENZA' UNIVERSITY - DEPT. OF BIOLOGY & BIOTECHNOLOGY "C. DARWIN"

- 2018-today TEMPORARY RESEARCHER (i.e. Ricercatore a Tempo Determinato - tipo A)

Funded by MIUR (ITALIAN MINISTRY OF EDUCATION, UNIVERSITY AND RESEARCH)

'ROMA TRE' UNIVERSITY - DEPT. OF SCIENCES

- 2014-2017 TEMPORARY RESEARCHER (i.e. Ricercatore a Tempo Determinato - tipo A)

Grant: EU LIFE-MIPP Project "Monitoring Insects with Public Participation"

'SAPIENZA' UNIVERSITY - DEPT. OF PUBLIC HEALTH AND INFECTIOUS DISEASES

- 2009-2014 POST-DOC FELLOWSHIP (i.e. Assegnista di ricerca)

Grant: Young Researcher Grant MIUR-FIRB 2010 (from 2012 to 2014)

Grant: EU-FP7 MALVECBLOK HEALTH-2007-2.3.2-9 (from 2009 to 2012)

- 2009 (Jan-July) SCHOLARSHIP OF CENCI-BOLOGNETTI FOUNDATION (i.e. Borsista)

Grant: EU-FP7 MALVECBLOK HEALTH-2007-2.3.2-9

UNIVERSITY OF TURIN - DEPT. OF GENETICS, BIOLOGY AND BIOCHEMISTRY

- 2007- 2008 POST-DOC FELLOWSHIP (i.e. Assegnista di ricerca)

Grant: Fondazione San Paolo - 'Network italiano di ricerche sulla malaria'

II.B - Other Appointments

- 2006 (Jan-Dec) EMPLOYER/TECHNICIAN in the R&D Department (Tumour and Allergy Diagnostic Kit Development Section) of ADALTIS S.P.A. Medical Diagnostic Company, Guidonia Montecelio, Rome (Italy)

PART III - RESEARCH INTERESTS

Research activities - carried out through field collections, fauna monitoring techniques, morphological/ecological investigations, genetics/genomics methods - are all focused on entomology and can be sub-divided in:

EVOLUTIONARY PARASITOLOGY AND MEDICAL ENTOMOLOGY OF *ANOPHELES* MOSQUITOES

- *Population genetics/genomics of Anopheles mosquitoes transmitting malaria in Sub-Saharan Africa;*

- *Molecular evolution of genes involved in Anopheles post-mating responses and innate immunity;*
- *Analysis of the genetic/genomic consequences of hybridization in West Africa among mosquito vectors on malaria transmission;*
- *Development of molecular tools for Plasmodium and vertebrate-host detection in Anopheles mosquitoes to assess malaria infection risk in endemic regions.*

PHYLOGENY, BIOGEOGRAPHY, CONSERVATION GENETICS AND MOLECULAR ECOLOGY OF BEETLES

- *Phylogeny and biogeography of beetles (Nitidulidae, Hydraenidae, Meloidae and Cerambycidae), by integrating molecular, morphological and ecological data;*
- *Assessment of the viability of endangered saproxylic beetles (Cerambycidae and Scarabaeidae) in old-growth forests by ecological monitoring, DNA barcoding & Conservation Genetics;*
- *Investigation of the role of endosymbionts in the interactions among sap-beetles (including the rape-crop pest Brassicogethes aeneus) and their host plants;*
- *Chemical ecology and transcriptomic analyses in blister beetles to enlarge the knowledge on the defensive terpene cantharidin, its ecological role, metabolic and catabolic pathways, to improve its use in medical and crop-protection applications.*

PART IV - SCIENTIFIC SKILLS & TRAINING ABROAD

- **FIELD WORK** Planning of invertebrate surveys and field trips mainly in the Mediterranean region (e. g. Italy, Spain, Greece and Tunisia); capture-mark-recapture methods for monitoring saproxylic beetles in protected forest areas (Central Apennines); preparation of entomological collections.
- **LABORATORY** DNA/RNA extraction; amplification and genotyping by PCR; gene expression analysis by qRT-PCR; genotyping via RFLP and High Resolution Melting (HRM); cloning and preparation of plasmidic vectors and competent cells; ELISA; Western Blot; Immunofluorescence; DNA/ RNA library preparation for NGS platforms; GC-MS techniques in molecular ecology.
- Participation to Intensive **TRAINING ABROAD** to enlarge knowledge on the **biology of malaria vectors**:
 - 2012 **CAMPUS 'ICIBE'**, MBITA POINT, KENYA, PROF. D. MASIGA LAB (2 weeks):
Methods on Anopheles rearing and evaluation of SIT efficacy in semi-field settings
 - 2012 **'MAX PLANCK INSTITUTE'**, BERLIN, GERMANY, PROF. E. LEVASHINA LAB (1 week):
Methods on Anopheles RNA interference and innate immunity investigation
 - 2010 **'CNRS'**, STRASBOURG, FRANCE, PROF. E. LEVASHINA LAB (1 week):
Methods to conduct Anopheles immunity and embriology studies
 - 2009 **'IMPERIAL COLLEGE'**, LONDON, U.K., PROF. F. CATTERUCCIA LAB (2 weeks):
Methods on Anopheles mating behaviour and Real-Time data analysis

- **DATA ANALYSIS** Molecular evolution software (Arlequin, Genalex, GenePop, Structure, TESS, PAUP*, MEGA6, DNAsp, Beast, Gene Runner, TCS, PAML, Geodis and others); 'R' package; genomic/proteomic database mining (NCBI, PUBMED, SwissModel, IntelPro, ENSEMBLE complete genome database); basics of NGS data analysis software (NEXTGENE, CLC-BIO) and browser (GALAXY).
- Participation to workshops on genetic/genomic data analysis:
 - 2019 “PROTEIN EVOLUTION”, a theoretical/practical (3 days) course on protein structure, evolution and interactions - Stazione Zoologica Anton Dohrn (Naples, Italy)
 - 2012 “NEXT GENERATION SEQUENCING - TECHNOLOGIES, APPLICATIONS AND DATA ANALYSIS” a theoretical/practical (one week) course on genomic data analysis - Avans Hogeschool Breda (held in Breda, The Netherlands)
 - 2010 'WORKSHOP ON MOLECULAR EVOLUTION' an advanced theoretical/practical (two-weeks) course on data analysis in phylogenetics and molecular evolution - University of Maryland (held in Český Krumlov, Czech Republic)

PART V - TEACHING EXPERIENCE

I have been teaching theory and practice of General Biology, Zoology, Conservation Biology, Biogeography, Molecular Ecology and Parasitology to B.Sc., M.Sc. and Ph.D. students in Environmental Sciences, Biology, Biotechnology, Pharmacy and Architecture at 'Sapienza', 'Roma Tre' and 'Tuscia' Universities (Latium, Italy).

V.A - Lecturer for University Courses (B.Sc. = Triennale; M.Sc. = Magistrale)

COURSES HELD IN 'SAPIENZA' UNIVERSITY - Dept. of Biology & Biotechnology 'C. Darwin'

- 'ZOOGEOGRAPHY' - Theory & Practice (6 CFU) A.Y. 2018/2019 & 2019/2020 (M.Sc. Degree in 'Natural Sciences', Faculty of Mathematics, Physics and Natural Sciences)
- 'ZOOLOGY OF HUMAN-MODIFIED ENVIRONMENTS' - Theory (30 h.) A.Y. 2007/2008 (M.Sc. Degree in 'Landscape Architecture', Faculty of Architecture; as Contract Professor)
- 'PRINCIPLES OF BIOLOGY' - Theory (24 h.) A.Y. 2005-2006 & 2004-2005 (B.Sc. Degree in "Pharmacy", Faculty of Pharmacy; as Contract Professor)
- 'ANIMAL DIVERSITY' - Practice in laboratories (40 h.) A.Y. 2004/2005 (B.Sc. Degree in "Biology", Faculty of Mathematics, Physics and Natural Sciences; as Contract Professor)

COURSES HELD IN 'ROMA TRE' UNIVERSITY - Dept. of Sciences

- 'EVOLUTIONARY PARASITOLOGY' - Theory & Practice (6 CFU) A.Y. 2015/2016
- 'CONSERVATION GENETICS' module in 'CONSERVATION BIOLOGY' - Theory & Practice (1 CFU) A.Y. 2015/2016 & 2014/2015 (both for M.Sc. Degree in 'Biodiversity and Management of Ecosystems')

'ZOOLOGY' - Practice in laboratories (1 CFU) A.Y. 2015/2016 & 2014/2015
(B.Sc. Degree in 'Biology')

- **'PRACTICAL COURSE ON MOLECULAR PHYLOGENY & POPULATION GENETICS'** - Theory & Practice (48 h.) A.Y. 2015/2016 & 2014/2015
(Doctoral School in 'Molecular, Cellular and Environmental Biology')

COURSES HELD IN 'TUSCIA' UNIVERSITY (VITERBO) - Dept. of Innovation in Biological, Agri-food & Forest Systems

- **'ANIMAL BIOLOGY'** - Theory & Practice (64 h. = 8 CFU) A.Y. 2017/2018
(B.Sc. Degree in 'Biotechnology'; as Contract Professor)

V.B - International teaching

- A.Y. 2015/2016 Coordinator of the 'GENERAL BIOLOGY II WITH LABORATORIES' course (Theory & Practice, 48 h. = 6 CFU) offered to U.S. students of 'LORENZO DE MEDICI' AMERICAN INSTITUTE (B.Sc. in 'Biological Sciences') at the Dept. of Sciences of ROMA TRE University.

V.C - Tutorship, Internships & student advising

- 2009 - today Tutor of 12 B.Sc. and 8 M.Sc. Degree theses and co-tutor of 4 Ph.D. theses dealing with zoology, taxonomy, evolutionary biology and parasitology.
- 2014-2017 Responsible to organize and supervise more than 15 student internships in experimental biology (i.e. molecular laboratory and field activities) at 'ROMA TRE' University.

V.D - Outreach/Community Involvement ('Third Mission') actions

- 2014-2017 Citizen Science programs developed within the EU LIFE-MIPP project, through:
 - the organization of scientific events (e.g. "Notte dei Ricercatori" and other events) and creation of online science contents for citizens;
 - 18 divulgation actions in Public Elementary Schools on the importance of forest biodiversity; - 5 seminars to the staff of the Italian State Forestry Authority on monitoring protected insects.
- 2015-2017 Member of the 'Orientation Welcoming Committee' of Dept. of Science ('ROMA TRE') aimed at introducing University Science Programs to students from Secondary Schools through the organization of public presentation and events.
- 2019-2020 Tutor within the LAB2Go Project (PCTO- Italian Ministry of Education, University and Research, *Percorsi per le Competenze Trasversali e per l'Orientamento*) to boost biological laboratory practices in high-schools.

PART VI - FUNDING INFORMATION

VI.A - Grants as Principal Investigator (P.I.) o Co-P.I.

- 2020-2023 MIUR - Progetto di Ateneo cod. RM11916B7AFE99E

'Improving knowledge on malaria vector epidemiology after Long Lasting Insecticide Nets (LLINs) distribution in Burkina Faso' (10,740 €)

- 2019-2021 Regione Lazio - "LAZIO INNOVA" Progetti Gruppi di ricerca - Conoscenza e Cooperazione per un Nuovo Modello di Sviluppo - (149,826 €, approved in Nov. 2018)

"CANBBIO - CANTHARIDIN, FROM BIODIVERSITY TO BIOTECHNOLOGY", a technology-transfer project to boost medical application of cantharidin-related substances produced by blister-beetles.

- 2019 (subm.) Ministero dell'Ambiente e della Tutela del Territorio e del Mare - Progetti di ricerca su temi prioritari per l'attuazione della Strategia Nazionale per lo Sviluppo Sostenibile

"INCISE - Insetticidi Naturali Contro gli Insetti Succhiatori ed Erbivori", a project promoting an assessment of cantharidin for its use as a new biopesticide against alien species.

VI.B - Grants as Participant

Participant (and contribution to drafting of applications) to Projects funded by MIUR and European Commission (EU-FP7 and LIFE) dealing with conservation of biodiversity and malaria vector control:

- 2017-2018 MIUR - Programma di mobilità "PIETRO DELLA VALLE" tra Italia e Iran (5,544 €) 'ANALISI ZOOGEOGRAFICA DEL POPOLAMENTO ENTOMOLOGICO DELL'IRAN'
- 2012-2017 European Commission - LIFE MIPP cod. NAT/IT/00252 (2,735,000 €) 'MONITORING INSECTS WITH PUBLIC PARTICIPATION'
- 2013-2014 Fondazione Cenci-Bolognetti - Call 2013 (4,000 €) 'POPULATION GENOMICS OF THE MALARIA MOSQUITO ANOPHELES GAMBIAE'
- 2012-2013 MIUR - Grandi Attrezzature cod. C26G12XTPP (25,000 €) 'REAL TIME PCR IN PARASSITOLOGIA: DALLA RICERCA DI BASE ALLE APPLICAZIONI DIAGNOSTICHE'
- 2011-2016 European Commission - FP7 HEALTH AVECNET cod. HEALTH.2010.2.3.2-4 (15,402,000 €) 'AFRICAN VECTOR CONTROL: NEW TOOLS'
- 2010-2013 MIUR - F.I.R.B., Futuro in Ricerca cod. RBFR106NTE (445,000 €) 'RUOLO DELLE BARRIERE RIPRODUTTIVE IN UN CASO EMBLEMATICO DI SPECIAZIONE INCIPIENTE'
- 2009-2011 MIUR - Progetto di Ateneo cod. C26A097THS (15,000 €) 'CARATTERIZZAZIONE BIONOMICA, GENETICA E FILOGENETICA DELLE SPECIE DEL COMPLESSO ANOPHELES GAMBIAE (DIPTERA: CULICIDAE), VETTORI AFROTROPICALI DI MALARIA'
- 2009-2014 European Commission - FP7 INFRASTRUCT. INFRAVEC cod. 2008-1-228421 (10,782,700 €) 'RESEARCH CAPACITY FOR THE IMPLEMENTATION OF GENETIC CONTROL OF MOSQUITOES'
- 2009-2012 European Commission - FP7 HEALTH MALVECBLOK Cod. HEALTH-2007-2.3.2-9 (3,008,000 €) 'POPULATION BIOLOGY AND MOLECULAR GENETICS OF VECTORIAL CAPACITY IN ANOPHELES GAMBIAE: TARGETING REPRODUCTIVE BEHAVIOUR AND IMMUNITY FOR TRANSMISSION-REFRACTORY INTERVENTIONS'
- 2006-2008 N.I.H., National Institute of Health - Grant 2006 Cod. AI42121 (273,165 \$) 'CHARACTERIZATION OF TRANSPOSABLE ELEMENTS IN A. GAMBIAE'
- 2006-2009 MIUR - Progetto di Ateneo cod. C26A06EAWS (10,000 €) 'BIOGEOGRAFIA MOLECOLARE DELLE AREE AFROMEDITERRANEE E DEL VICINO ORIENTE'

PART VII - CONFERENCE ACTIVITY

VII.A - Panels Organized as Member of the Organizing/Scientific Committee

- 2017 (28-31 Aug.) VII CONGRESS OF THE ITALIAN SOCIETY FOR EVOLUTIONARY BIOLOGY, Rome, Italy
- 2014 (24-27 June) XXVIII CONGRESS OF THE ITALIAN SOCIETY OF PARASITOLOGY, Rome, Italy

VII.B - Attended Conferences (as Discussant)

- 2019 (23-26 Sept.) 80° CONGRESS OF THE ITALIAN ZOOLOGICAL UNION, Rome, Italy
- 2018 (02-06 July) XI EUROPEAN CONGRESS OF ENTOMOLOGY, Naples, Italy
- 2017 (28-31 Aug.) VII CONGRESS OF THE ITALIAN SOCIETY FOR EVOLUTIONARY BIOLOGY, Rome, Italy
- 2016 (05-07 Oct.) II ANNUAL MEETING ON CONSERVATION GENETICS, GÖTTINGEN, Germany
- 2015 (15-18 Sep.) 76TH NATIONAL CONFERENCE OF THE “UNIONE ZOOLOGICA ITALIANA, Viterbo, Italy
- 2013 (18-22 Feb.) BYOSYST.EU 2013 - GLOBAL SYSTEMATICS, Wien, Austria
- 2013 (28-31 Aug.) V CONGRESS OF THE ITALIAN SOCIETY FOR EVOLUTIONARY BIOLOGY, Trento, Italy
- 2012 (26-29 June) XXVII CONGRESS OF THE ITALIAN SOCIETY OF PARASITOLOGY, Alghero, Italy
- 2010 (02-04 Sep.) IV CONGRESS OF THE ITALIAN SOCIETY FOR EVOLUTIONARY BIOLOGY, Milan, Italy
- 2010 (03-07 Nov.) 59TH ANNUAL MEETING OF THE AM. SOC. OF TROP. MED. & HYGIENE, Atlanta, U.S.A.
- 2009 (19-26 July) IV INTERNATIONAL EMBO MEETING ON MOLECULAR AND POPULATION BIOLOGY OF MOSQUITOES AND OTHER DISEASE VECTORS, Kolymbari, Greece
- 2008 (18-21 June) XXV CONGRESS OF THE ITALIAN SOCIETY OF PARASITOLOGY, Pisa, Italy
- 2008 (05-07 June) I° INCONTRO CONGIUNTO DI BIOSISTEMATICA “GLI STRUMENTI DELLA BIOSISTEMATICA MODERNA: DALLA MORFOLOGIA ALLO STUDIO DEI GENOMI”, Milan, Italy
- 2007 (04-11 Nov.) 56TH ANNUAL MEETING OF THE AM. SOC. OF TROP. MED. & HYGIENE, Philadelphia, U.S.A.
- 2007 (13-20 July) III INTERNATIONAL EMBO MEETING ON “MOLECULAR AND POPULATION BIOLOGY OF MOSQUITOES AND OTHER DISEASE VECTORS”, Kolymbari, Greece

PART VIII - INVITED TALKS

- 2020 (9th June) ‘NOVEL APPROACHES TO SYSTEMATICS AND STATE OF THE ART IN ITALY’ - *Plenary Lecture* at the Congress of Italian Entomology Society, Turin, Italy
- 2012 (17th April) ‘POST-MATING IN THE SPECIES OF THE *ANOPHELES GAMBIAE* COMPLEX: A PHYLOGENETIC PERSPECTIVE’ - ICIPE, Mbita Point, Kenya
- 2011 (13th April) ‘AN INTRODUCTION TO MOLECULAR PHYLOGENETICS: THEORY AND PRACTICE’ - CNRs (IBMC), Strasbourg, France
- 2011 (11th Jan.) ‘DETECTING FOOTPRINTS OF ADAPTIVE DIVERGENCE IN GENES REGULATING POST-MATING RESPONSES IN MALARIA VECTORS OF THE *ANOPHELES GAMBIAE* COMPLEX’ - Istituto Superiore di Sanità, Rome, Italy
- 2009 (18th Jan.) ‘FIRST INSIGHTS INTO THE MOLECULAR EVOLUTION OF GENES INVOLVED IN REPRODUCTIVE BEHAVIOR OF *ANOPHELES GAMBIAE*’ - CNRs (IBMC), Strasbourg, France

- 2007 (21th Sept.) 'MOLECULAR BIOGEOGRAPHY OF MEDITERRANEAN AND SOUTHERN AFRICAN DISJUNCTIONS AS EXEMPLIFIED BY POLLEN BEETLES OF THE *MELIGETHES PLANIUSCULUS* SPECIES-COMPLEX (COLEOPTERA: NITIDULIDAE; MELIGETHINAE)' - 'Roma Tre' University, Rome, Italy

PART IX - SCIENTIFIC SOCIETY AND EDITORIAL BOARD MEMBERSHIP

- 2017-today Member of the ITALIAN SOCIETY OF EVOLUTIONARY BIOLOGY (ISEB)
- 2014-today Member of the ITALIAN SOCIETY OF PARASITOLOGY (SOIPA)
- 2015-today Member of the Editorial Board of "FRAGMENTA ENTOMOLOGICA" (PagePRESS)
<http://www.fragmentaentomol.org/index.php/fragmenta/pages/view/board>

PART X - SERVICE TO PROFESSION

Peer reviewer for ISI-indexed international journals, among the others: Zootaxa, PLoS One, Scientific Report, Malaria Journal, BMC Evolutionary Biology, Evolutionary Applications, Scientific Reports, Nature Conservation, Biological Journal of the Linnean Society and Journal of Biogeography.

PART XI - SUMMARY OF SCIENTIFIC ACHIEVEMENTS

	H-INDEX	TOT. CIT.	N° DOC.	
SCOPUS	12	582	50	
ISI WOS	12	565	56	
GOOGLE SCHOLAR	16	1078	59	UPDATE 07-04-2020

PART XII - NATIONAL AND INTERNATIONAL QUALIFICATION FOR ACADEMIC RECRUITMENT

- 2018-2024 MIUR - Ministero Istruzione Università e Ricerca (ITALY)

National Scientific Qualification (ASN - ABILITAZIONE SCIENTIFICA NAZIONALE, ART. 16 OF THE LAW 30 DEC. 2010, N. 240) to function as Associate and Full Professor in 05/B1 (Zoology/Anthropology) and as Associate Professor in 07/H3 (Parasitology)

PART XIII - LANGUAGES

	READING	SPEAKING	WRITING
ITALIAN	native	native	native
ENGLISH	fluent	fluent	fluent
FRENCH	good	conversation	good
GERMAN	elementary	-	-

PART XIV - PUBLICATIONS

XIV.A - Scientific Papers

56. Riccieri A., Mancini E., Iannella M., Salvi D., Bologna M.A. 2020. Phylogenetics and population structure of the steppe species *Hycleus polymorphus* (Coleoptera: Meloidae: Mylabrini) reveal multiple refugia in Mediterranean mountain ranges. *Biological Journal of the Linnean Society* accepted & in press. (IF= 2.203)
55. Riccieri A., Mancini E., Salvi D., Bologna M.A. 2020. Phylogeny, biogeography and systematics of the hyper-diverse blister beetle genus *Hycleus* (Coleoptera: Meloidae). *Molecular Phylogenetics and Evolution* 144, 106706 doi.org/10.1016/j.ympev.2019.106706 (IF= 3.992)
54. Sabatelli S., Liu M., Badano D., Mancini E., Trizzino M., Cline A.R., Cerretti P., Endrestol A., Huang M., Audisio P. 2020. Molecular diversification, host plant use, and phylogeny of pollen beetles of the genus *Thymogethes* (Coleoptera) on their Lamiaceae host plants. *Zoologica Scripta* 49(1):28-46 doi: 10.1111/zsc.12384 (IF=2.609)
53. Gisondi S., Gasperi T., Roma E., Tomai P., Gentili A., Vignoli L., Bologna M.A., Mancini E. 2019. Cantharidin content in two Mediterranean species of blister beetles, *Lydus trimaculatus* and *Mylabris variabilis* (Coleoptera: Meloidae). *Entomological Science* doi:10.1111/ens.12364 (IF=1.073)
52. Pombi M., Calzetta M., Guelbeogo W., Manica M., Perugini E., Mancini E., Sagnon N.F., Ranson H., della Torre A. 2018. Unexpectedly low Human Blood Index associated to high *Plasmodium* sporozoite rates in *Anopheles coluzzii* from a LLIN-protected village in Burkina Faso. *Scientific Reports* 8, 12806 doi:10.1038/s41598-018-31117-x (IF=4.122)
51. Liu M., Sabatelli S., Mancini E., Trizzino M., Huang M., Cline A.R., Audisio P. 2019 Rediscovery of *Brassicogethes salvan* (Coleoptera: Nitidulidae, Meligethinae) in the southwestern Alps. *Insect Conservation and Diversity* 12, 80-87 doi.org/10.1111/icad.12317 (IF= 2.313)
50. Sabatelli S., Mancini E., Audisio P. 2018. Taxonomical and bionomical notes on the Sicilian endemic water beetle *Ochthebius (Cobalius) biltoni* (Coleoptera: Hydraenidae). *Fragmenta Entomologica* 50, 75-76.
49. Buono V., Galliani G., Mancini E., Davoli F., Mengoni C., Mucci N., Vignoli L. 2018. An improved microsatellite panel to assess genetic variability in the Italian Smooth Newt (*Lissotriton vulgaris meridionalis*). *Journal of Genetics* 97 (2): 569-573 doi.org/10.1007/s12041-018-0934-8 (IF=0.825)
48. Molfini M., Redolfi De Zan L., Campanaro A., Rossi de Gasperis S., Mosconi F., Chiari S., Cini A., Antonini G., Solano E., Audisio P., Roversi P.F., Sabbatini Peverieri G., Carpaneto G.M., Mason F., Bologna M.A., Mancini E. 2018. A first assessment of genetic variability in the longhorn beetle *Rosalia alpina* (Coleoptera: Cerambycidae) from the Italian Apennines. *The European Zoological Journal* 85 (1): 36-45 doi:10.1080/24750263.2018.1433243 (IF=1.123)
47. Mancini E., Furfaro G., Cervelli M., Di Giulio A., Oliverio M., Salvi D., Mariottini P. 2018. Molecular detection of Bucephalidae and Monorchidae trematodes in the European flat oyster *Ostrea edulis*. *The European Zoological Journal* 85 (1): 8-16 doi: 10.1080/24750263.2017.1420829 (IF=1.123)
46. Calzetta M., Perugini E., Seixas G., Sousa C.A., Guelbeogo W.M., Sagnon N., della Torre A., Pinto J., Pombi M., Mancini E. 2018. A novel nested polymerase chain reaction assay targeting *Plasmodium* mitochondrial DNA in field-collected *Anopheles* mosquitoes. *Medical and Veterinary Entomology* 32 (3): 372-377 doi: 10.1111/mve.12293 (IF=2.027)
45. Furfaro G., Salvi D., Mancini E., Mariottini P. 2018. A multilocus view on Mediterranean aeolid nudibranchs (Mollusca): Systematics and cryptic diversity of Flabellinidae and Piseinotecidae. *Molecular Phylogenetics and Evolution* 118: 13-22 (IF=3.992)
44. Riccieri A., Salvi D., Maura M., Bologna M., Mancini E. 2017. Messinian Salinity Crisis and Quaternary glacial events shaped genetic diversification in Siculo-Maghrebian blister beetles (Coleoptera, Meloidae). *Biological Journal of the Linnean Society* 20: 1-14 (IF=2.288)

43. Campanaro A., Redolfi De Zan L., Hardersen S., Antonini G., Chiari S., Cini A., **Mancini E.**, Mosconi F., Rossi de Gasperis S., Solano E., Bologna M.A., Sabbatini Peverieri G. 2017. Guidelines for the monitoring of *Rosalia alpina*. **Nature Conservation** 20: 165-203 (IF=1.120)
42. Mosconi F., Campanaro A., Carpaneto G.M., Chiari S., Hardersen S., **Mancini E.**, Maurizi E., Sabatelli S., Zauli A., Mason F., Audisio P. 2017. Training of a dog for the monitoring of *Osmoderma eremita*. **Nature Conservation** 20: 237-264. (IF=1.120)
41. Redolfi De Zan L., Bardiani M., Antonini G., Campanaro A., Chiari S., **Mancini E.**, Maura M., Sabatelli S., Solano E., Zauli A., Sabbatini Peverieri G., Roversi P.F. 2017. Guidelines for the monitoring of *Cerambyx cerdo*. **Nature Conservation** 20: 129-164 (IF=1.120)
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