

PERSONAL INFORMATION Davide Tamagnini

JOB APPLIED FOR Assegno di Categoria A - Codice Bando: 23/2021

EDUCATION AND TRAINING

November 2018 - January 2022

PhD student in Environmental and Evolutionary Biology

Università di Roma "La Sapienza", Viale dell'Università, 32 – 00185, Rome, Italy
http://phd.uniroma1.it/web/BIOLOGIA-AMBIENTALE-ED-EVOLUZIONISTICA_nD3488_IT.aspx

EQF level 8

Main fields of study:

- Morphological evolution of the mammalian order Carnivora
- Phenotypic evolutionary trends
- Ecomorphology
- Multivariate analysis for the study of evolutionary patterns

Presumable PhD Thesis Title: **Macroevolutionary trends and ecological correlates in the cranio-mandibular complex of carnivorans**. Supervisor: Prof. L. Maiorano

November 2016 - July 2018

Master's degree in Evolutionary Biology (110/110 cum laudae)

Università di Bologna (Unibo), Via Selmi, 3 – 40126, Bologna, Italy
<http://corsi.unibo.it/evoluzione/Pagine/default.aspx>

EQF level 7

Main fields of study:

- Molecular and genome evolution
- Evolutionary patterns and processes
- Animal biodiversity

Master's Degree Thesis Title: **GMM analyses of morphological disparity and evolutionary rate applied to the cranio-mandibular complex of living carnivorans**. Directors: Prof. M.G. Belcastro and Dr. C. Meloro

September - December 2017

Erasmus Plus Traineeship 2017/2018

John Moores University (JMU), 70 Mount Pleasant, United Kingdom
<https://www.ljmu.ac.uk/>
Erasmus grant: 1440€

September 2013 – October 2016

Bachelor's degree in Natural Sciences (110/110 cum laudae)

Università degli studi di Modena e Reggio (UniMoRe), Via Campi, 103 – 41125, Modena, Italy
<http://www.scienze naturali.unimore.it/?lang=it>

EQF level 6

Main fields of study:

- Mammalogy
- Vertebrate palaeontology
- Botany
- Geology

Bachelor's Degree Thesis Title: **Nessun muso lungo? Allometria ed evoluzione craniofacciale nei felidi.** Director: Dr. A. Cardini

September 2008 – June 2013

High School Diploma (88/100)

Liceo Classico-Scientifico Statale Ariosto-Spallanzani, Via Franchetti, 3 – 42100, Reggio Emilia, Italy
<https://www.liceoariostospallanzani-re.gov.it/>

EQF level 4

Main subjects:

- Italian language and literature
- Latin language and literature
- Foreign language and literature (English)
- Mathematics and Physics
- Biology, Chemistry and Earth Sciences

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	B2	B2	C1
Erasmus+ language assessment					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ written and spoken scientific communication skills

Job-related skills ▪ good command of geometric morphometrics tools like PC softwares (MorphoJ, TPSDig) or specific R packages
 ▪ ability to build 3D models by means of photogrammetry, laser-scanners or MicroScribe digitizers

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Proficient user	Basic user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained working with GMM softwares
- good command of R software, especially in relation to statistical packages

Driving licence B (EU license)

ADDITIONAL INFORMATION

Publications

- **Tamagnini D**, Meloro C, Cardini A (2017). Anyone with a long-face? Craniofacial evolutionary allometry (CREA) in a family of short-faced mammals, the Felidae. *Evolutionary Biology* 44, 476–495
- **Tamagnini D**, Stephenson J, Brown R P, Meloro C (2018). Geometric morphometric analyses of sexual dimorphism and allometry in two sympatric snakes: *Natrix helvetica* (Natricidae) and *Vipera berus* (Viperidae). *Zoology* 129, 25-34
- Castiglione S, Serio C, **Tamagnini D**, Melchionna M, Mondanaro A, Di Febbraro M, Profico A, Piras P, Barattolo F, Raia P (2019). A new, fast method to search for morphological convergence with shape data. *PLoS ONE* 14:e0226949
- Castiglione S, Serio C, Mondanaro A, Melchionna M, Carotenuto F, Di Febbraro M, Profico A, **Tamagnini D**, Raia P (2020). Ancestral state estimation with phylogenetic ridge regression. *Evolutionary Biology* 47, 220–232
- Melchionna M, Profico A, Castiglione S, Serio C, Mondanaro A, Modaffieri M, **Tamagnini D**, Maiorano L, Raia P, Witmer L M, Wroe S, Sansalone G (2021). A method for mapping morphological convergence on three-dimensional digital models: the case of the mammalian sabre-tooth. *Palaeontology* 64, 573-584
- **Tamagnini D**, Meloro C, Raia P, Maiorano L (2021). Testing the occurrence of convergence in the craniomandibular shape evolution of living carnivorans. *Evolution* 75, 1738-1752
- **Tamagnini D**, Canestrelli D, Meloro C, Raia P, Maiorano L (2021). New avenues for old travellers: Phenotypic evolutionary trends meet morphodynamics, and both enter the global change biology era. *Evolutionary Biology* 48, 379–393
- Meloro C, **Tamagnini D** (2021). Macroevolutionary ecomorphology of the Carnivora skull: Adaptations and constraints in the extant species. *Zoological Journal of the Linnean Society* <https://doi.org/10.1093/zoolinnean/zlab075>

Scientific conferences

- Bubadué J, Cáceres N, Croft D, **Tamagnini D**, Meloro C (2019). Morphological disparity of large carnivorous mammals through time: evidence from mandibular geometry. Oral communication at the “10^o Congresso Brasileiro de Mastozoologia & 10^o Encontro Brasileiro para o Estudo de Quirópteros” conference given by Bubadué J.
- **Tamagnini D**, Meloro C, Raia P, Maiorano L (2021). Testing the occurrence of convergence in the craniomandibular shape evolution of living carnivorans. Faux-Live talk at the “Virtual Evolution 2021” conference given by **Tamagnini D**.

Grants and awards

- “Avvio alla Ricerca 2019” (AR11916B48429BEB – “Trend macroevolutivi e covariate ecologiche nel complesso cranio-mandibolare dell'ordine Carnivora”) funds awarded by the University of Rome “La Sapienza” to **Tamagnini D** (1000€).
- SYNTHESYS Access programme (ES-TAF-2750 – “Macroevolutionary trends and ecological correlates in the cranio-mandibular complex of carnivorans”) funds awarded by the European Community Research Infrastructure Action under the FP7 to **Tamagnini D** (5 working days).
- “Avvio alla Ricerca 2020” (AR1201729B1A64EC – “Interconnessione tra variazioni morfologiche ed ecologiche nella storia evolutiva di felidi, ursidi e pinnipedi”) funds awarded by the University of Rome “La Sapienza” to **Tamagnini D** (1000€).

Autorizzo la pubblicazione del mio *curriculum vitae* e il trattamento dei dati personali in esso contenuti in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 GDPR 679/16.