

CURRICULUM VITAE

Daniela Campobello

Present position: Post-doc Researcher
Section Animal Biology (Dpt. STEBICEF), University of Palermo, Italy

Address: Via Archirafi 18, 90123 Palermo, Italy

Telephone: +39-339-439-5353

email: danielacampobello@hotmail.com

Education

- 2008 Ph.D. in Biological Sciences (Supervisor: Dr. S.G. Sealy), University of Manitoba, MB, Canada. Thesis title: A comparative approach to the study of nest defence: experience and adaptive significance
- 2001-2003 M.Sc. Candidate in Zoology (Supervisor: Dr. S.G. Sealy), University of Manitoba. Project title: Mechanisms of refinement of avian nest defence behaviour
- 1998 B.Sc. (Honours) with specialization in Ecology (Supervisor: Dr. G. Cognetti[†]), University of Palermo. Final grade: 110/110 summa cum laude. Thesis title: Population analysis by RAPD Fingerprint

Other research activities

- 2012-today Post-doctoral Researcher, University of Palermo. Host: Prof. M. Sarà.
- 2008-2011 Research Contracts in a joint project in collaboration with Dr. M. Sarà (University of Palermo) and Dr. J. F. Hare (University of Manitoba). Project: Analysis of ecological factors and interspecific interactions between lesser kestrels, *Falco naumanni*, and jackdaws, *Corvus monedula*, as possible correlates of the selection and maintenance of mixed-species colonies.

Publications

- Di Maggio Rosanna, Chiara Mengoni, Nadia Mucci, Daniela **Campobello**, Ettore Randi, Maurizio Sara. *In Press*. Do not disturb the family: roles of colony size and human disturbance in the genetic structure of lesser kestrel. *Journal of Zoology*.
- Sarà M., **Campobello** D., Zanca L. & Massa B. 2014. Food for flight: pre-migratory dynamics of the Lesser Kestrel *Falco naumanni*. *Bird Study* doi: 10.1080/00063657.2013.867476.
- Di Maggio R., **Campobello** D. & Sarà M. 2013. Nest aggregation and reproductive synchrony interact to promote lesser kestrel *Falco naumanni* seasonal fitness. *Journal of Ornithology* 154: 901-910. doi: 10.1007/s10336-013-0954-3
- Campobello** D., Sarà M. & Hare J. F. 2012. Under my wing: lesser kestrels and jackdaws derive reciprocal benefits in mixed-species colonies. *Behavioral Ecology* 23: 425-433. doi: 10.1093/beheco/arr207.

- Sarà M., **Campobello** D., & Zanca L. 2012. Effects of nest and colony features on lesser kestrel (*Falco naumanni*) reproductive success. *Avian Biology Research* 5: 209-217. doi: 10.3184/175815512X13535044854571.
- Bracciali C., **Campobello** D., Giacomini C. & Sarà G. 2012. Effects of nautical and noise on foraging patterns of Mediterranean damselfish (*Chromis chromis*). *PLoSOne* 7: e40582. doi:10.1371/journal.pone.0040582.
- Campobello** D. & Sealy S. G. 2011a. Nest defence against avian brood parasites is promoted by egg-removal events in a cowbird-host system. *Animal Behaviour* 82: 885-891. doi:10.1016/j.anbehav.2011.07.028.
- Campobello** D. & Sealy S. G. 2011b. Use of social over personal information enhances nest defense against avian brood parasitism. *Behavioral Ecology* 22: 422-428. doi:10.1093/beheco/arq225.
- Møller A. P., Saino N., Adamík P., Ambrosini R., Antonov A., **Campobello** D., Stokke B. G., Fossøy F., Lehikoinen E., Martin-Vivaldi M., Moksnes A., Moskat C., Røskoft E., Rubolini D., Schulze-Hagen K., Soler M. & Shykoff J. A. 2011. Rapid change in host use of the common cuckoo *Cuculus canorus* linked to climate change. *Proceedings of the Royal Society of London B* 278: 733-738. doi: 10.1098/rspb.2010.1592.
- Triolo S., **Campobello** D. & Sarà M. 2011. Diurnal habitat suitability for a Mediterranean steppeland bird, identified by Ecological Niche Factor Analysis. *Wildlife Research* 38: 152-162. doi: 10.1071/WR10185.
- Bellia E., **Campobello** D. & Sarà M. 2011. The Great Tit (*Parus major*) breeding in fire-prone oak-woods: differential effects of post-fire conditions on reproductive stages. *International Journal of Wildland Fire* 20: 605-611. doi: 10.1071/WF09129.
- Campobello** D. & Sealy G. S. 2010. Enemy recognition of reed warblers (*Acrocephalus scirpaceus*): threats and reproductive value act independently in nest defence modulation. *Ethology* 116: 498-508. doi: 10.1111/j.1439-0310.2010.01764.x.
- Sarà G., Oliveri A., Martino G. & **Campobello** D. 2010. Changes in behavioural response of Mediterranean seabass (*Dicentrarchus labrax* L.) under different feeding distributions. *Italian Journal of Animal Science* 9: 121-125.
- Campobello** D. & Sealy S. G. 2009. Avian brood parasitism in a Mediterranean region: hosts and habitat preferences of common cuckoos *Cuculus canorus*. *Bird Study*. 56: 389-400. DOI: 10.1080/00063650903013221
- Campobello** D. & Hare J. F. 2007. Information transfer determined by association of neighbours in European bee-eater (*Merops apiaster*) colonies. *Ethology Ecology & Evolution* 19: 237-243.

Submitted manuscripts

- Campobello** D., Hare J. F. & Sarà M. *Submitted*. Interspecific interactions in social communities: expanded multilevel social selection analysis reveals fitness consequences of heterospecific social phenotypes. *Evolution*.

Media coverage

BBC Nature. <http://www.bbc.co.uk/nature/16249006>

forskning.no. <http://www.forskning.no/artikler/2011/desember/308322>

Ateneo News. <http://portale.unipa.it/areastampa/home/servizi/ateneonews/2011/10/77.html>

Invited public reports

Campobello D. & Sealy S. G. 2008. Il parassitismo di covata [The avian brood parasitism]. *Uccelli in Natura* 2: 60-66.

Campobello D. 2005. Cowbird versus cuckoo hosts: a comparative study of learned nest defense. *Picoides* 18:19-20.

Invited talks

2011 **Campobello D.** & Sealy S. G. Old versus new world: adaptive significance of nest defence in two brood parasitism systems. Symposium "Avian Brood parasitism – a model system for co-evolution", VIII Conference of the European Ornithologists' Union, Riga, Latvia.

2004 Lecture title: Behavioural ecology as a tool to study evolutionary biology. Cycle of seminars for graduate students, University of Palermo, Italy.

Presentations at meetings

Campobello D.* & Sealy S. G. 2014. *Oral presentation: Social versus individual learning: fitness consequences of two different strategies for antiparasite defence. XV Conference of the International Society for Behavioral Ecology, New York, NY, USA.

Campobello D.*, Hare J. F. & Sarà M. 2013. *Oral presentation: Nest attendance of conspecifics and heterospecifics as social phenotypes affecting breeding lesser kestrels *Falco naumanni*. XVII Italian Meeting of Ornithology, Trento, Italy.

Sarà M.*, **Campobello D.**, Di Maggio R., Mascara R. & Zanca L. 2013. *Oral presentation: Effetti del clima sul successo riproduttivo del grillaio *Falco naumanni* [Climate effects on the breeding success of the lesser kestrel *Falco naumanni*]. XVII Italian Meeting of Ornithology, Trento, Italy.

Di Maggio R.*, **Campobello D.**, Mascara R. & Sarà M. 2013. *Oral presentation: Effects of microclimate on nest site selection and breeding success of lesser kestrel *Falco naumanni* in the Gela Plain (Sicily). XVII Italian Meeting of Ornithology, Trento, Italy.

Campobello D., Hare J. F. & Sarà M. 2013. Poster: Neighbour dearest: Colonial lesser kestrels (*Falco naumanni*) benefit from nest attendance of neighbouring jackdaws (*Corvus monedula*). IX Conference of the European Ornithologists' Union, Norwich, UK.

Di Maggio R., **Campobello D.** & Sarà M. 2013. Poster: From macro- to micro-climate? 3D Analysis of lesser kestrel *Falco naumanni* nest attendance. IX Conference of the European Ornithologists' Union, Norwich, UK.

- Campobello** D., Hare J. F. & Sarà M. 2012. Poster: Intra- and inter-specific social selection of vigilance and defense phenotypes in breeding colonies of lesser kestrels and jackdaws. XIV Conference of the International Society for Behavioral Ecology, Lund, Sweden.
- Sarà M.*, **Campobello** D. & Zanca L. 2012. *Oral presentation: Effects of nest and colony features on lesser kestrel (*Falco naumanni*) reproductive success. Nest Construction and Function 2012, Lincoln, UK.
- Di Maggio R., **Campobello** D. & Sarà M. 2012 Poster: Padri zelanti e madri oziose? Ruolo della colonialità nelle cure biparentali di *Falco naumanni* [Zealous fathers and lazy mothers? Role of coloniality in the biparental care of the *Falco naumanni*]. XXV Meeting of the Italian Society of Ethology, Viterbo e Tarquinia, Italy.
- Campobello** D.*, Sarà M. & Hare J. F. 2011. *Oral presentation: Vigilance and antipredator responses of lesser kestrel (*Falco naumanni*) and jackdaws (*Corvus monedula*) nesting in single- versus mixed-species colonies. XVI Italian Meeting of Ornithology, Cervia, Italy.
- Bracciali C., Mercurio M., **Campobello** D., Giacomina C. & Sarà, G. 2011. Poster: Effetti del traffico nautico sul comportamento di *Chromis chromis* [Effects of the nautical traffic on the behaviour of *Chromis chromis*]. XXI Conference of the Italian Society of Ecology, Palermo, Italy.
- Bracciali C., Canepa A., **Campobello** D., Sarà G. & Giacomina C. 2011. Poster: Deviazioni del comportamento riproduttivo di *Chromis chromis* in risposta al disturbo acustico [Changes in the breeding behaviour of *Chromis chromis* as effect of acoustic disturbance]. XXI Conference of the Italian Society of Ecology, Palermo, Italy.
- Campobello** D. & Sealy S. G. 2009. Poster: Ospiti e preferenze del cuculo comune (*Cuculus canorus*) in Italia [Hosts and preferences of the common cuckoo (*Cuculus canorus*) in Italy]. XV Italian Meeting of Ornithology, Sabaudia, Italy.
- Triolo S.*, **Campobello** D. & Sarà M. 2009. *Oral presentation: Modello di distribuzione e di idoneità ambientale dell'occhione (*Burhinus oedicephalus*) [Model of distribution and habitat suitability of the stone curlew (*Burhinus oedicephalus*)]. XV Italian Meeting of Ornithology, Sabaudia (RM), Italy.

Professional service

Reviewer for: Proceedings of the Royal Society B, Ecology, Behavioral Ecology, Animal Behaviour, Behavioral Ecology and Sociobiology, Animal Cognition, Ethology, Ibis, Auk, Canadian Journal of Zoology, Avocetta.

Council member of the European Ornithologists' Union.

Associate Editor for Avocetta.

2013 Chair of the Scientific Committee of the XVII Italian Conference of Ornithology, Trento, Italy.

Professional Affiliations

International Society for Behavioral Ecology

European Ornithologists' Union

Animal Behavior Society

Italian Society of Ethology

Awards & Prizes

- 2005 F.M. Chapman Memorial Fund Award, American Natural History Museum, New York
- 2005 J.C. Rauch Memorial Prize, University of Manitoba
- 2004 Cooke Award, Society of Canadian Ornithologists
- 2001-2002 Government of Canada Award, Government of Canada

Grants and scholarships

- 2007 G.A. Lubinsky Memorial Scholarship, Department of Zoology, University of Manitoba
- 2006 R. Evans Memorial Scholarship, Department of Zoology, University of Manitoba
- 2006 Research Travel Grant, Faculty of Science, University of Manitoba
- 2006 Research Travel Grant, Department of Zoology, University of Manitoba
- 2006 Research Travel Grant, Faculty of Graduate Studies, University of Manitoba
- 2006 Research Travel Grant, University of Manitoba Student Union
- 2006 Research Travel Grant, Graduate Student Association, University of Manitoba
- 2005 UMSU Bursary, University of Manitoba
- 2005 International Graduate Student Bursary, University of Manitoba
- 2004-2005 University of Manitoba Graduate Fellowship, University of Manitoba
- 2004 Research Travel Grant, Faculty of Graduate Studies, University of Manitoba
- 2003 UMSU Scholarship, University of Manitoba
- 1995-1996 Erasmus Exchange Programme Scholarship, European Community

Teaching experience

- 2008-2009 Sessional Instructor - Dynamic Ecology course, University of Palermo
- 2007 Sessional Instructor - Introductory Ecology course, University of Manitoba
- 2006 Sessional Instructor - Biology of Birds course, University of Manitoba
- 2005 Teaching Assistant - Animal Behaviour course, University of Manitoba
- 2004 Teaching Assistant - Biology of Birds course, University of Manitoba
- 2002-2003 Teaching Assistant - Introductory Biology course, University of Manitoba

Supervision on theses

- 2012 Rosanna Di Maggio (M.Sc. student, University of Palermo)
- 2012 Claudia Bracciali (Ph.D. student, University of Turin)