Curriculum vitae
Michael Briga

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http://scholar.google.nl/citations?user=GryprFMAAAAJ&hl=nl
https://www.researchgate.net/profile/Michael_Briga
http://human-life-history.science/group-members

Education & Research experience

2017-Present Post-doc researcher (1 fte), University of Turku, Finland
Infectious disease dynamics in historical Finns
2009-2016 PhD (0.8 fte), University of Groningen, the Netherlands
Development and aging in zebra finches
2008-2009 Pre-doc researcher (1 fte), University of Groningen, the Netherlands
Comparative analysis of relatedness and cooperative breeding in mammals
2005-2007 TopMaster in Evolutionary Biology, University of Groningen, the Netherlands
This is an international, highly selective (top 5%) master program, with an intensive preparation for research in ecology and evolutionary biology.
2003-2005 Field Biologist (1 fte), Free University of Brussels, Belgium
Organisation of and participation in extensive fieldtrips in South America & the Arctic
2001-2003 Licenciate in Biology, Free University of Brussels, Belgium, *magna cum laude*
1999-2001 Bachelor in Biology, Free University of Brussels, Belgium, *cum laude.*

Funding

2018 Ehrnrooth Foundation (€15,000) Infectious disease dynamics in historical Finns.
2008 University of Groningen (€22,000) Relatedness and cooperative breeding in mammals.
2005 University of Groningen (€15,000) Top Master in Evolutionary Biology.

Peer-reviewed publications

Summary: 1 book and 17 peer reviewed papers, of which 14 in the last 5 years; 1 under review; Citations: 280; h-index: 10 (Google Scholar October 1st, 2018).

Under Review

18. **Briga M**, Jimeno B, Verhulst S. The onset time of body mass aging associates positively with sex-specifc lifespan but negatively with environment-specific lifespan. Experimental Gerontology.

Published

2018

17. Montoya B, **Briga M**, Jimeno B, Moonen S, Verhulst S. Plasma glucose is a repeatable trait, shaped by developmental and adult conditions, and predictor of lifespan in zebra finches. *Journal of Comparative Physiology B* 188, 517-526.
16. Jimeno B, **Briga M**, Hau M, Verhulst S. Male but not female zebra finches with high stress-induced corticosterone have lower survival. *Functional Ecology* 32, 713-721.

2017

15. **Briga M**, Griffith R, Berger V, Pettay J, Lummaa V. 2017. What have humans done for evolutionary biology? Contributions from genes to populations. *Proceedings of the Royal Society of London B* 284, 20171164.
14. **Briga M**, Verhulst S. 2017. Individual variation in metabolic reaction norms over ambient temperature causes low correlation between basal and standard metabolic rate. *Journal of Experimental Biology* 220, 3280-3289.

13. Jimeno B, **Briga M**, Verhulst S, Hau M. 2017. Effects of developmental conditions on glucocorticoid concentrations in adulthood depend on sex and foraging conditions. *Hormones & Behavior* 93, 175-183.
12. **Briga M**, Koetsier E, Boonekamp JJ, Jimeno B, Verhulst S. 2017. Food availability affects adult survival trajectories depending on early developmental conditions. *Proceedings of the Royal Society of London B* 284, 20162287.
11. Griffith SC, et al. **Briga M** (44 authors) 2017. Variation in reproductive success across captive populations: methodological differences, potential biases and opportunities – the zebra finch as a case study. *Ethology* 123, 1-29. ***ISI Web of Science Highly Cited paper***

2016

10. Simons MJP, **Briga M**, Verhulst S. 2016. Stabilizing survival selection on pre-senescent expression of a sexual ornament followed by a terminal decline. *Journal of Evolutionary Biology* 29, 1368-1378.

2015

9. Speakman JR, et al. **Briga M** (28 authors) 2015. Oxidative stress and life histories: unresolved issues and current needs. *Ecology & Evolution* 5, 5745-5757.
8. **Briga M**, Verhulst S. 2015. Large daily temperature ranges increase bird sensitivity to climate change. *Scientific Reports* 5, 16600.
7. Boonekamp JJ, **Briga M**, Verhulst S. 2015. The heuristic value of redundancy models of aging. *Experimental Gerontology* 71, 95-102.
6. **Briga M**, Verhulst S. 2015. What can long-lived mutants tell us about mechanisms causing aging and lifespan variation in natural environments? *Experimental Gerontology* 71, 21-26.
5. Atema E, Mulder E, Dugdale H, **Briga M**, Noordwijk A, Verhulst S. 2015. Heritability of telomere length in the zebra finch. *Journal of Ornithology* 156, 1113-1123.

2014

4. Simons MJP, **Briga M**, Leenknegt B, Verhulst S. 2014. Context dependent effects of carotenoid supplementation on reproduction of zebra finches. *Behavioral Ecology* 25, 945-950.

2012

3. **Briga M**, Pen I, Wright J. 2012. Care for kin: within-group relatedness and allomaternal care are positively correlated and conserved throughout the mammalian phylogeny. *Biology Letters* 8, 533-536.
2. Simons MJP, **Briga M**, Koetsier E, Folkertsma R, Wubs MD, Dijkstra C, Verhulst S. 2012. Bill redness is positively associated with reproduction and survival in male and female zebra finches. *PLoS ONE* 7, e40721.

2011

1. De Coster G, Verhulst S, Koetsier E, De Neve L, **Briga M**, Lens L. 2011. Effects of early developmental conditions on innate immunity are only evident under favourable adult conditions in zebra finches. *Naturwissenschaften* 98, 1049-1056.

Books & Chapters

3. **Briga M**. 2005. Evolution and behaviour: an introduction. In: Tallon I, Briga M, Monbaliu D, Van Woensel C, Moens G (Eds.). Evolution today: how things emerge and why they change. VUBPress, pp. 171-172 (in Dutch language).
2. **Briga M**, Holsbeek L. 2005. Culture and behavioural transmission in animal societies. In: Tallon I, Briga M, Monbaliu D, Van Woensel C, Moens G (Eds.). Evolution today: how things emerge and why they change. VUBPress, pp. 193-214 (in Dutch language).
1. Tallon I, **Briga M**, Monbaliu D, Van Woensel C, Moens G (Eds.) 2005. Evolution today: how things emerge and why they change. VUBPress, 364 pp. (in Dutch language).

Conferences organised

Summary: 4 Conferences or symposia organised in teamwork

4. 2009 Conference: 15th European Meeting of PhD Students in Evolutionary Biology University of Groningen & University of Wageningen, the Netherlands. Participants: >120, duration: 5 days
3. 2005 Workshop series: Evolution today: integrating evolution in the classroom, Free University of Brussels, Belgium. Participants: >100, duration: 1 day
2. 2004 Symposium: Evolution today: the meaning of evolution in present times, Royal Belgian Institute for Natural Sciences, Belgium. Participants: >100, Duration: 1 day
1. 2003 Symposium: Ecology & Conservation of marine mammals in Argentina, Free University of Brussels, Belgium. Participants: ~50, Duration: 1/2 day

International presentations

Total: 27 presentations, of which 8 in the last 5 years.

Seminars & Invited talks

27. 2018 University of Glasgow, UK
26. 2017 University of Turku, Turku, Finland
25. 2015 Netherland Institute for Ecology (NIOO), Wageningen, the Netherlands
24. 2014 Rank Prize Funds Symposium, UK
23. 2013 Wroclaw University, Wroclaw, Poland

Conference Presentations

22. 2018 Ecology and Evolution of Infectious Diseases, Glasgow, UK (Poster)
21. 2017 International Society for Evolutionary Medicine & Public Health, the Netherlands (Talk)
20. 2017 European Society for Evolutionary Biology, Groningen, the Netherlands (Poster)
19. 2014 International Society for Behavioral Ecology, New York, USA (Talk)
18. 2013 20th Benelux Congress of Zoology, Groningen, the Netherlands (Talk)
17. 2013 Evolutionary Demography Society, University of Southern Denmark, Denmark (Talk)
16. 2013 Dutch Society for Behavioral Biology, Soesterberg, the Netherlands (Poster)

International expeditions

2003-2005: Field biologist: organisation of and participation in several extensive field trips (2 till 10 months) monitoring global change associated changes in population distributions of marine birds and mammals in South-America, the Arctic and European coastal waters. This was in collaboration with the Museo Argentina de Ciencias Naturales (Buenos Aires, Argentina), the Alfred-Wegener Insititute (Bremerhaven, Germany), the Belgian Ministry of Foreign Affairs (Brussels, Belgium) and one NGO (Orca Research Trust) in New-Zealand.

Teaching & Supervision

3. University of Turku:	MSc course: Ecological interactions
	BSc projects supervised: 2
2. University of Groningen:	BSc course: Experimental design
	BSc course: Behavioural biology research
	BSc projects supervised: 5
	MSc projects supervised: 6
1. University of Brussels:	MSc course: Ornithology
	BSc projects supervised: 1

Other academic activities

Reviewing (N=20): Ecology Letters, Functional Ecology, Ecology, Journal of Animal Ecology, Proceedings B, Scientific Reports, PLoS ONE, Behavioral Ecology, Behavioural Ecology and Sociobiology, Journal of Experimental Biology, Journal of Comparative Physiology B, Experimental Gerontology, Mechanisms of Aging and Development, Nutrition and Healthy Aging.