

Curriculum Vitae Johann Kaspar Valdemar DELHEY

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Born 15 December 1974 in Tandil, Argentina. Nationality: Argentine/German. Married, two children (Janneke 10.04.2006 and Joaquín 29.07.2008).

SCIENTIFIC EDUCATION

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| 2001-2005 | PhD at the Max Planck Institute for Ornithology, Seewiesen, and Ludwig-Maximilians University, München, Germany
Thesis: "Sexual selection and blue tit (<i>Parus caeruleus</i>) crown coloration" supervised by Prof. Dr. Bart Kempenaers.
Date of defence: 14/12/2005. Grade: " <i>ausgezeichnet</i> " (<i>summa cum laude</i>) |
| 1994-2000 | Biology studies at the Universidad Nacional del Sur, Bahía Blanca, Argentina.
Thesis (c/f Honours): " <i>Comunidades de aves en áreas de caldenal del sudoeste de la provincia de Buenos Aires</i> " [Bird communities in caldén woodlands of the SW of Buenos Aires province]. Grade: 10 out of 10. |

BIBLIOMETRICS

35 papers in peer-reviewed journals, totalling >700 citations in Web of Science. H-index = 15. See complete publication list below.

Pictures above depict some of my study species. From left to right: Firewood-gatherer (*Anumbius annumbi*), Blue tit (*Cyanistes caeruleus*), Mallard (*Anas platyrhynchos*), Purple-crowned fairy-wren (*Malurus coronatus*), Greater yellowlegs (*Tringa melanoleuca*), Olrog's gull (*Larus atlanticus*).

RESEARCH EXPERIENCE

- 02-2011 – present Teaching Assistant. School of Biological Sciences, Monash University, Melbourne, Australia
- 01.2006 – 01.2011 Research scientist. Ecological function of avian colours, Vogelwarte Radolfzell, Max Planck Institute for Ornithology, Radolfzell, Germany
- 07.2005-12.2005 Post-doc. Sexual signals in Purple-crowned Fairy Wrens, Australia. Supervisor: Dr. Anne Peters, Vogelwarte Radolfzell, Max Planck Institute for Ornithology, Radolfzell, Germany
- 12.2001-12.2005 Doctoral studies. Sexual selection and blue tit crown coloration. Supervisor: Prof. Dr. Bart Kempenaers, Max Planck Institute for Ornithology Seewiesen, Germany
- 02.2001 - 11.2001 Research assistant. Sexual selection in blue tits and bluethroats. Supervisor: Dr. Bart Kempenaers, Max-Planck-Research Centre for Ornithology, Seewiesen, Germany
- 05.2000 - 08.2000 Volunteer Research Assistant. Seabird breeding biology study on Middleton Island in the Gulf of Alaska. Supervisors: MSc. Verena Gill, Dr. Scott Hatch, U.S. Geological Survey, Alaska Biological Science Center, USA.
- 09.1999-04.2000 Volunteer Research Assistant. The effect of burrowing crabs on shorebird habitat use. Supervisor: Dr. Oscar Iribarne, Universidad Nacional de Mar del Plata, Argentina.
- 12.1999 Volunteer Research Assistant. Distribution and abundance of Buff-breasted Sandpipers on their wintering grounds in Argentina, Uruguay and Brazil. Supervisor: Dr. Richard Lanctot, US Fish and Wildlife Service, USA.
- 04.1998-02.1999 Bird communities in caldén woodlands of the SW of Buenos Aires province. Supervisors: Dr. Andrea Lopez Cazorla, Dr. Alberto Scorolli, Universidad Nacional del Sur, Argentina.
- 09.1995-10.1996 Foraging ecology of the Olrog's gull. Supervisor: Lic. Mariano M. Martínez, Universidad Nacional de Mar del Plata, Argentina.
- 12.1994 – 05.1995 Volunteer Research Assistant. The effect of shorebirds on benthic species. Supervisor: Dr. Oscar Iribarne, Universidad Nacional de Mar del Plata, Argentina.

EXTERNAL FUNDING & SCHOLARSHIPS

- 2007 Vehicle (4WD) purchase grant of the Max Planck Society for field work in Argentina (with Dr. A. Peters, 21.400 €)
- 2003 “Asociación Industrial Química de Bahía Blanca” [Association of Chemical Industries Bahía Blanca] provided funding to write a photographic identification guide of the birds of an Argentinean estuary (~10.000 US\$), together with P. F Petracchi.
- 1998 Beca de Introducción a la Investigación para Alumnos Avanzados [Research scholarship for advanced students], from the Universidad Nacional del Sur, Secretaría de Ciencia y Tecnología; CSU-659/97. (10 months, total: 2500 US\$).
- 1995 Beca C.C.Olrog 1995, Asociación Ornitológica del Plata (now Aves Argentinas /Birdlife Argentina). Small research grant to study the foraging ecology of Olrog’s gull (12 months, total: 550 US\$).

INVITED SEMINARS

- 2010 School of Environmental and Rural Sciences, University of New England, Armidale. Australia.
- 2008 Departmental Seminar, Zoological Institute, University of Bern, Bern, Switzerland. 20 February 2008
- 2007 Departmental Seminar, Centro Nacional Patagónico (CENPAT), CONICET, Puerto Madryn, Argentina. 28 October 2007
- 2006 Departamental Seminar, Max Planck Institute for Ornithology, Radolfzell, Germany. 5 July 2006
- 2005 Invited symposium presentation, XI Reunión Argentina de Ornitología, Buenos Aires, Argentina. 7-10 September 2005
- 2004 Invited presentation, Colour Signalling Meeting, Konnevesi Research Station, Finland. 16-17 July 2004

TEACHING

Courses

- 2011 Teaching Assistant, 1st semester Research Methods in Biology BIO3011 (Unit Coordinators: Dr. R. Thompson and Dr. P. Baker).
- 2009 Lecture on ‘Migration & Sexual Selection’ in of the course “Animal Migrations – Towards a mechanistic understanding” led by Prof. Dr. Martin Wikelski at the

Department of Biology of the University of Konstanz, Germany. Included supervising paper discussion.

- 2008 Lectures on “*Mating systems and parental care*” and “*Anti-predator defences*” in the “*Ornithology*” course coordinated by Dr. Petra Quillfeldt at the Max Planck Institute for Ornithology in collaboration with the Department of Biology of the University of Konstanz, Germany.
- 1999 Lecture on “*Bird Biology*” taught (in Spanish) as part of the course for “*Park Ranger Assistants*” of the Coastal Provincial Reserve “Reserva Provincial de Usos Múltiples, Bahía Blanca, Bahía Falsa y Bahía Verde” organized by the Provincial Directorate of Natural Resources, Government of the Buenos Aires province (Dirección Provincial de Recursos Naturales, Gobierno de la provincia de Buenos Aires), Argentina.
- 1999 Lectures on “*Coastal and Marine Bird Biology*” taught (in Spanish) to primary and secondary school teachers of the Municipalities of Villarino, Coronel Rosales and Bahía Blanca, Argentina, (June-July 1999, three lectures). This was part of a teacher-training course organized by the Provincial Directorate of Natural Resources, Government of the Buenos Aires province (Dirección Provincial de Recursos Naturales, Gobierno de la provincia de Buenos Aires), Argentina.
- 1995 Demonstrator in the “*General Biology*” course Universidad Nacional del Sur, Bahía Blanca, Argentina (first semester 1995). Main responsible: Dr. Sergio Zalba.

STUDENT SUPERVISION

- 2006-2010 Co-supervision of PhD student Sjouke Kingma (University of Konstanz, Germany), with Dr. Anne Peters.
- 2009 Supervision of Tesina (c/f Honours) research of María Luján Soto (Universidad Nacional del Sur, Bahía Blanca, Argentina).
- 2008 Co-supervision of Diplom (c/f Honours) research of Steffen Magdeburg (University of Halle, Germany), with Dr. A. Peters
- 2008 Supervision of practical work of Sandrina Butz and Judy Salzwedel as part of the “*Ornithology*” course at the Max Planck Institute for Ornithology in collaboration with the Department of Biology of the University of Konstanz, Germany. This 6-week course involved closely supervising students carrying out a first research project (data collection, analysis and writing). Course coordinator: Dr. Petra Quillfeldt.
- 2006-2010 Supervision of undergraduate practical of Martin Carrizo (Universidad Nacional del Sur, Bahía Blanca, Argentina).
- 2006 Co-supervision of Diplom (c/f Honours) work of Eva Klonczinski (University of Konstanz, Germany), with Dr. A. Peters

- 2004 Co-supervision of undergraduate practical of Peter Biedermann (University of Graz, Austria), with Dr. B. Kempenaers and Dr. A. Peters.
- 2001 Co-supervision of undergraduate practical of Emmi Schlicht (LMU, University of Munich, Germany), with Dr. B. Kempenaers
- 2001 Co-supervision of Diplom (c/f Honours) research of Karin Hieke (University of Würzburg, Germany), with Dr. B. Kempenaers

PRESENTATIONS AT CONFERENCES

- 2009 Conference of the European Ornithologists' Union, Zürich, Switzerland (poster)
- 2008 Reunión Argentina de Ornitología, San Martín de los Andes, Argentina. (poster).
- 2007 Conference of the European Ornithologists' Union, Vienna, Austria (poster)
- 2006 International Society for Behavioral Ecology Congress, Tours, France. (talk)
Australasian Society for Study of Animal Behaviour, Canberra, Australia. (poster)
- 2005 Reunión Argentina de Ornitología, Buenos Aires, Argentina. (invited symposium talk)
- 2004 Colour Signalling Meeting, Konnevesi Research Station, Finland. (invited talk)
International Society for Behavioral Ecology Congress, Jyväskylä, Finland. (talk)
- 2003 European Conference on Avian Colour Vision and Coloration, Paris, France. (talk)
- 1998 Reunión Argentina de Ornitología, Mar del Plata, Argentina (posters)
- 1996 Reunión Argentina de Ornitología, AOP, Buenos Aires, Argentina (posters)
- 1993 Primera Reunión de Ornitología de la Cuenca del Plata, Puerto Iguazú, Argentina (poster)

MANUSCRIPT REFEREEING

American Naturalist - Animal Behaviour - Animal Biology - Ardea - Behavioral Ecology - Behavioral Ecology & Sociobiology - Behaviour - Biological Journal of the Linnean Society of London - Condor - El Hornero - Ethology - Ethology, Ecology & Evolution - Evolution - Functional Ecology - Ibis - Journal of Avian Biology - Journal of Animal Ecology - Journal of Experimental Biology - Journal of Ornithology - Molecular Ecology - Naturwissenschaften - Nuestras Aves - Ornitología Neotropical - Ornis Fennica - Proceedings of the Royal Society of London B. - Zoology

REFERENCES

Prof. Dr. Bart Kempnaers

Max Planck Institute for Ornithology, Seewiesen, PO Box 1564, D-82305, Starnberg, Germany.

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Dr. Arild Johnsen

Naturhistorisk museum, Universitetet i Oslo, PO Box 1172 Blindern 0318 Oslo, Norway.

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Prof. Dr. Martin Wikelski

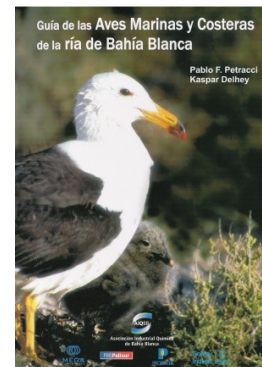
Max Planck Institute for Ornithology, Vogelwarte Radolfzell, Schlossallee 2, D-78315, Radolfzell, Germany and University of Konstanz, Konstanz, Germany.

martin@orn.mpg.de or martin.wikelski@uni-konstanz.de

PUBLICATIONS LIST

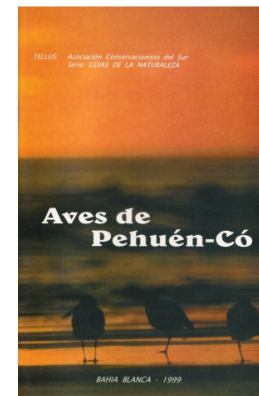
Books and book chapters:

Petracci, P.F. and **K. Delhey**. 2005. *Guía de Aves Marinas y Costeras de la ría de Bahía Blanca*. ISBN: 987-43-9095-6. 96 pp. Bahía Blanca, Buenos Aires, Argentina. [local bird identification guide]



Delhey, K. and P. F. Petracci. 2004. *Aves Marinas y Costeras*. Pp. 203-220 in: *Ecosistema del estuario de Bahía Blanca* (Piccolo, M.C. and M.S. Hoffmeyer, Eds.), IADO, Bahía Blanca. ISBN: 987-9281-96-9

Delhey, J. K.V., C. Doiny-Cabre, and R. Lejarraga. 1999. *Aves de Pehuén-Có* TELLUS. ISBN: 987-97481-0-7. 63 pp. Bahía Blanca, Buenos Aires, Argentina. [local bird identification guide]



Articles in peer-reviewed journals:

35. *Peters, A, RHJM Kurvers, ML Roberts & **K Delhey**. 2011. No evidence for general condition-dependence of structural plumage colour in blue tits: an experiment. *J. Evol. Biol.* 24: 976-987
34. Peters A, S Magdeburg and **K Delhey**. 2011. The carotenoid conundrum: improved nutrition boosts plasma carotenoid levels but not immune benefits of carotenoid supplementation. *Oecologia* 166: 35-43
33. ***Delhey K**, C Burger, W Fiedler and A Peters. 2010. Seasonal changes in a variety of plumage colours. *PLoS ONE* 5(7): e11582. Impact factor = 4.35 [2 cit., accessed 1174 times]
32. ***Delhey K**, ML Roberts and A Peters. 2010. The carotenoid continuum: from conspicuous to cryptic and back again. *BMC Ecology* 10:13 [accessed 2085 times]
31. *Kurvers RHJM, **K Delhey**, ML Roberts and A Peters. 2010. No consistent female preference for more UV crown colour in the blue tit *Cyanistes caeruleus*: a mate choice experiment. *Ibis* 152(2): 393-396. Impact factor = 2.12 [1 cit.]

30. **Delhey K**, M Carrizo, L Verniere, B Mahler and A Peters. 2010. Seasonal variation in reproductive output of a Neotropical temperate suboscine: the firewood-gatherer (*Anumbius annumbi*) *Auk* 127(1): 222-231. Impact factor = 2.0
29. Peters A, E Klonezinski and **K Delhey**. 2010. Fat quill secretion in pigeons: could it function as a cosmetic? *Anim. Biol.* 60: 69-78. Impact factor = 1.07
28. Perez, CHF, **K Delhey**, PF Petracci and LJ Avila. 2009. Natural History: *Leiosaurus belli* Predation. *Herpetol. Rev.* 40(1): 89
27. ***Delhey K** and A Peters. 2008. Quantifying variability of bird colours: are signalling traits more variable? *PLoS ONE*. 3(2): e1689. doi:10.1371/journal.pone.0001689. Impact Factor = 4.35 [11 cit, accessed 1667 times]
26. ***Delhey K**, A Peters, PHW Biedermann and B Kempnaers. 2008. Optical properties of the uropygial gland secretion: no evidence for UV cosmetics in birds. *Naturwissenschaften* 95: 939-946. Impact factor = 2.31 [7 cit]
25. Schmidt-Wellenburg, C., Visser, G., Biebach, B., **Delhey, K.**, Oltrogge, M., Wittenzellner, A., Biebach, H. and Kempnaers, B. 2008. Trade-off between migration and reproduction: does a high workload affect body condition and reproductive state? *Behav. Ecol.* 19: 1351-1360. Impact factor = 2.98 [4 cit]
24. *Peters, A, **K Delhey**, S Andersson, H van Noordwijk, and MI Foerschler. 2008. Condition-dependence of multiple carotenoid-based plumage traits: an experimental study. *Funct. Ecol.* 22: 831-839. Impact factor = 3.7 [18 cit]
23. Carrizo, M and **K Delhey**. 2008. Observations on a nest of the bearded tachuri (*Polystictus pectoralis*). *Orn. Neotrop.* 157-160. Impact factor = 0.32
22. **Delhey, K**, A Peters and B Kempnaers. 2007. Cosmetic Coloration in Birds: occurrence, function and evolution. *Am. Nat.* 169 (1): S145-S158. Impact factor = 4.79 [12 cit]
21. **Delhey, K**, A Peters, A Johnsen and B Kempnaers. 2007. Fertilization success and UV ornamentation in blue tits *Cyanistes caeruleus*: correlational and experimental evidence. *Behav. Ecol.* 18 (2): 399-409. Impact factor = 2.98 [20 cit]
20. **Delhey, K**, A Peters, A Johnsen and B Kempnaers. 2007. Brood sex ratio and male UV ornamentation in blue tits (*Cyanistes caeruleus*): correlational evidence and an experimental test. *Behav. Ecol. Sociobiol.* 61 (6): 853-862. Impact factor = 2.75 [13 cit]
19. Peters, A, **K Delhey**, A Johnsen and B Kempnaers. 2007. The condition-dependent development of carotenoid-based and structural plumage in nestling blue tits: males and females differ. *Am. Nat.* 169 (1): S122-S136. Impact factor = 4.79 [22 cit]
18. Petracci, PF, **K Delhey**, and M Sotelo. 2007. Hábitos granívoros en la gaviota cangrejera (*Larus atlanticus*): implicancias sobre su estatus de especialista. [Granivorous habits in Olog's gull (*Larus atlanticus*): Implications for its status as a specialist] *El Hornero* 22 (1): 51-54.

17. Poesel, A, T Dabelsteen, S-K Darden, **K Delhey** and A Peters. 2007. Territorial responses of male blue tits *Cyanistes caeruleus* to UV-manipulated neighbours. *J. Ornithol.* 148 (2): 179-187. Impact factor = 1.47 [6 cit]
16. **Delhey, K**, A Peters, A Johnsen and B Kempenaers. 2006. Seasonal changes in blue tit crown color: do they signal individual quality? *Behav. Ecol.* 17: 790-798. Impact factor = 2.98 [29 cit]
15. **Delhey, K** and B Kempenaers. 2006. Age differences in blue tit plumage colour: within-individual changes or colour-biased survival? *J. Avian Biol.* 37: 339-348. Impact factor = 2.18 [16 cit]
14. Peters, A, **K Delhey**, W Goymann and B Kempenaers. 2006. Age-dependent association between testosterone and crown UV coloration in male blue tits (*Parus caeruleus*). *Behav. Ecol. Sociobiol.* 59: 666-673. Impact Factor = 2.75 [18]
13. Johnsen, A, **K Delhey**, E Schlicht, A Peters and B Kempenaers. 2005. Male sexual attractiveness and parental effort in blue tits: a test of the differential allocation hypothesis. *Anim. Behav.* 70: 877-888. Impact Factor = 2.89 [35 cit]
12. Iribarne, O, M Bruschetti, M Escapa, J Bava, F Botto, J Gutierrez, G Palomo, **K Delhey**, P Petracci and A Gagliardini. 2005. Small- and large-scale effect of the SW Atlantic burrowing crab *Chasmagnathus granulatus* on habitat use by migratory shorebirds. *J. Exp. Mar. Biol. Ecol.* 315:87-101. Impact Factor = 2.11 [17 cit]
11. Peters, A, **K Delhey**, AG Denk and B Kempenaers. 2004. Tradeoffs between Immune Investment and Sexual Signaling in Male Mallards. *Am. Nat.* 164 (1): 51-59. Impact Factor = 4.79 [50 cit]
10. Peters, A, AG Denk, **K Delhey** and B Kempenaers. 2004. Carotenoid-based bill colour as an indicator of immunocompetence and sperm performance in male mallards. *J. Evol. Biol.* 17(5): 1111-1120. Impact Factor = 3.81 [52 cit]
9. Petracci, PF and **K Delhey**. 2004. Nesting attempts of the Cliff Swallow *Petrochelidon pyrrhonota* in Buenos Aires Province, Argentina. *Ibis* 146 (3): 522-525. Impact Factor = 2.12 [1 cit]
8. Foerster, K, **K Delhey**, A Johnsen, JT Lifjeld and B Kempenaers. 2003. Females increase offspring heterozygosity and fitness through extra-pair matings. *Nature* 425: 714-717. Impact Factor = 34.48 [210 cit]
7. **Delhey, K**, A Johnsen, A Peters, S Andersson and B Kempenaers. 2003. Paternity analysis reveals opposing selection pressures on crown coloration in the blue tit (*Parus caeruleus*). *Proc. R. Soc. Lond. B.* 270: 2057-2063. Impact Factor = 4.85 [59 cit]
6. Johnsen, A, **K Delhey**, S Andersson and B Kempenaers. 2003. Plumage colour in nestling blue tits: sexual dichromatism, condition dependence and genetic effects. *Proc. R. Soc. Lond. B.* 270: 1263-1270. Impact Factor = 4.85 [74 cit]
5. **Delhey, JKV** and AL Scorolli. 2002. Abundancia relativa y estatus de residencia del Pepitero Chico (*Saltatricula multicolor*) en el sudoeste de la provincia de Buenos Aires, Argentina [Relative abundance and residence status of Many-coloured Chaco Finch (*Saltatricula multicolor*) in south-western Buenos Aires Province, Argentina] *El Hornero* 17: 41-44.

4. Lanctot, RB, DE Blanco, RA Dias, JP Isacch, VA Gill, J Bosi de Almeida, **K Delhey**, PF Petracci, GA Bencke, and R Balbuena. 2002. Conservation status of the buff-breasted sandpiper: historic and contemporary distribution and abundance in South America. *Wilson Bull.* 114: 44-72. Impact factor = 0.42 [15 cit]
3. **Delhey, JKV**, M Carrete and MM Martínez. 2001. Diet and feeding behaviour of Olrog's gull *Larus atlanticus* in Bahía Blanca, Argentina. *Ardea* 89 (2): 319-329 Impact factor = 0.83 [14 cit]
2. **Delhey, JKV**, PF Petracci and CM Grassini. 2001. Hallazgo de una nueva colonia de la gaviota de Olrog *Larus atlanticus* en la ría de Bahía Blanca. [A new colony of Olrog's Gull *Larus atlanticus* in the Bahía Blanca's Estuary] *El Hornero* 16(1): 39-42. [7 cit]
1. Botto, F, OO Iribarne, MM Martínez, **K Delhey** and M Carrete. 1998. The effect of migratory shorebirds on the benthic species of three southwestern Atlantic Argentinean estuaries. *Estuaries* Vol. 21 (48): 700-709. Impact factor = 1.55 [37 cit]