

Publications and presentations

Summary of publication record (last update 30th June 2009).

h-index: 12 (12 of my publications have been cited at least 12 times).

Journal	Number of publications	Impact factor	Total impact	Times cited
News in Physiological Sciences (now: Physiology)	1	7	7	18
American Naturalist	1	5	5	0*
Biology of Reproduction	1	4	4	0*
Hormones and Behavior	3	4	12	9
Proceedings of the Royal Society of London B	1	4	4	2
Animal Behaviour	2	3	6	15*
Behavioral Ecology	2	3	6	37
Evolutionary Anthropology	1	3	3	1
Functional Ecology	2	3	6	10*
Journal of Human Evolution	1	3	3	7
Behavioral Ecology and Sociobiology	3	2	6	37*
Ethology	4	2	8	25
Journal of Comparative Psychology	3	2	6	62
Journal of Mammalogy	4	2	8	33*
Physiology and Behavior	1	2	2	5
American Journal of Primatology	2	1	2	15
Belgian Journal of Zoology	1	1	1	6
Biodiversity and Conservation	1	1	1	0
Canadian Journal of Zoology	1	1	1	1
Journal of Ethology	2	1	2	10
Mammalian Biology	1	1	1	14
Summary	38		94	307

* One paper published within the last 12 months, thus not cited yet.

Publications (reviewed journals)

- In press Schubert, M., Pillay N. & Schradin C. in press Parental and allo-parental care in a polygynous mammal. *Journal of Mammalogy*.
- Schubert, M., Schradin, C., Pillay, N. & Ribble, D. accept. Male mate guarding in a socially monogamous mammal: On costs and trade-offs. *Behavioral Ecology and Sociobiology*.
- Schubert, M., Pillay, N., Ribble, D. & Schradin, C. accept. The round-eared sengi and the evolution of social monogamy: Environmental parameters constrain males to live with a single female. *Ethology*.
- 2009 Schradin, C., Kinahan, A.A. & Pillay, N. 2009. Cooperative breeding in groups of synchronously mating females demands large testes to avoid sperm depletion. *Biology of Reproduction*. **81**: 111-117.

- Schradin, C., Scantlebury, M., Pillay, N. & König, B. 2009. Testosterone levels in dominant sociable males are lower than in solitary roamers: Physiological differences between three male reproductive tactics in a sociably flexible mammal. *American Naturalist* **173**, 376-388.
- Schradin, C., Schneider, C., Yuen, C.H. 2009. Age at puberty in male African striped mice: the impact of food, population density and the presence of the father. *Functional Ecology*. doi:10.1111/j.1365-2435.2009.01569.x
- 2008 Keller, C. & Schradin C. 2008. Plant and small mammal richness correlate positively in a biodiversity hotspot *Biodiversity and Conservation* **17**, 911-923.
- Rymer, T., Schradin, C. & Pillay, N. 2008. Social transmission of information about novel food in two populations of the African striped mouse *Rhabdomys pumilio*. *Animal Behaviour* **76**, 1297-1304.
- Schradin, C. 2008. Differences in prolactin levels between three alternative male reproductive tactics in striped mice (*Rhabdomys pumilio*). *Proceedings of the Royal Society of London B* **275**, 1047-1052.
- Schradin, C. 2008. Seasonal changes in testosterone and corticosterone levels in four social categories of a desert dwelling sociable rodent. *Hormones and Behavior* **53**, 573-579.
- 2007 Hoffmann, M., Schradin, C. & Geisman, T. 2007. Radiographic evaluation of neonatal skeletal development in *Callimico goeldii* reveals closer similarity to *Callithrix jacchus* than to *Saguinus oedipus*. *American Journal of Primatology* **69**, 1-14.
- Schradin, C. 2007. No information transfer of food sites in a group living solitary forager. *Journal of Ethology* **25**, 83-86.
- Schradin, C. 2007. Schradin, C. 2007. Comments to K.E. Wynne-Edwards & M.E. Timonin. Paternal care in rodents: Weakening support for hormonal regulation of the transition to behavioral fatherhood in rodent animal models of biparental care. *Hormones and Behavior*. **52**, 557-559.
- Schradin, C., Krackow, S., Schubert, M., Keller, C., Schradin, B. & Pillay, N. 2007. Regulation of activity pattern in desert-living striped mice: The importance of basking. *Ethology* **113**, 606-614.
- 2006 Schradin, C. 2006. Whole day follows of the striped mouse. *Journal of Ethology* **24**, 37-43.
- Schradin, C. & Pillay, N. 2006. Female striped mice (*Rhabdomys pumilio*) change their home ranges in response to seasonal variation in food availability. *Behavioral Ecology* **17**, 452-458.
- Schradin, C., Schubert, M. & Pillay, N. 2006. Winter huddling groups in the striped mouse. *Canadian Journal of Zoology* **84**, 693-698
- Scantlebury, M., Pillay, N., Speakman, J.R., Bennett, N.C., & Schradin, C. 2006. Huddling in groups leads to daily energy savings in free-living African four-striped grass mice *Rhabdomys pumilio*. *Functional Ecology* **20**, 166-173.
- 2005 Schradin, C. 2005. Nest side competition in diurnal rodents from the succulent karoo of South Africa: The striped mouse (*Rhabdomys pumilio*) against

- the bush karoo rat (*Otomys unisulcatus*). *Journal of Mammalogy* **86**, 757-765.
- Schradin, C. 2005. When to live alone and when to live in groups: ecological determinants of sociality in the African striped mouse (*Rhabdomys pumilio*, Sparrman, 1784). *Belgian Journal of Zoology* **135**, 77-82.
- Schradin, C. & Pillay, N. 2005. The influence of the father on offspring development in the striped mouse. *Behavioral Ecology* **16**, 450-455.
- Schradin, C. & Pillay, N. 2005. Demography of the striped mouse (*Rhabdomys pumilio*) in the succulent karoo: a unique population in an extreme environment. *Mammalian Biology*. **70**, 84-92.
- Schradin, C. & Pillay, N. 2005. Intraspecific variation in the spatial and social organization of the African striped mouse. *Journal of Mammalogy* **86**, 99-107.
- 2004 Schradin, C. 2004. Territorial defence in a group living solitary forager: who, where against whom? *Behavioural Ecology and Sociobiology* **55**, 439-446.
- Schradin, C. & Anzenberger, G. 2004. Development of prolactin levels in marmoset males: from helper to first-time father. *Hormones and Behavior* **46**, 670-677.
- Schradin, C. & Pillay, N. 2004. Prolactin levels in paternal striped mouse (*Rhabdomys pumilio*) fathers. *Physiology & Behavior* **81**, 43-50.
- Schradin, C. & Pillay, N. 2004. The striped mouse from the succulent karoo of South Africa: A territorial group living solitary forager with communal breeding and helpers at the nest. *Journal of Comparative Psychology*, **118**, 37-47.
- 2003 Schradin, C. & Anzenberger, G. 2003. Mothers, not fathers, determine the delayed onset of male carrying in Goeldi's monkey (*Callimico goeldii*). *Journal of Human Evolution* **45**, 389-399.
- Schradin, C. & Pillay, N. 2003. Paternal care in the social and diurnal striped mouse (*Rhabdomys pumilio*): laboratory and field evidence. *Journal of Comparative Psychology* **117**, 317-324.
- Schradin, C., Reeder, D., Mendoza, S. & Anzenberger, G. 2003. Prolactin and paternal care: comparison of three species of monogamous New World monkeys (*Callicebus cupreus*, *Callithrix jacchus*, and *Callimico goeldii*). *Journal of Comparative Psychology* **117**, 166-175.
- 2002 Schradin, C. & Lamprecht, J. 2002. Female emigration in the group living cichlid fish *Neolamprologus multifasciatus*. *Ethology* **108**, 237-248.
- 2001 Schradin, C. & Anzenberger, G. 2001. Costs of infant carrying in common marmosets, *Callithrix jacchus*: an experimental analysis. *Animal Behaviour* **62**, 289-295.
- Schradin, C. & Anzenberger, G. 2001. Infant carrying in family groups of Goeldi's monkeys (*Callimico goeldii*). *American Journal of Primatology* **53**, 57-67.
- 2000 Schradin, C. 2000. Confusion effect in a reptilian and a primate predator. *Ethology* **106**, 691-700.
- Schradin, C. & Lamprecht, J. 2000. Female-biased immigration and male peace

keeping in groups of the shell-dwelling cichlid fish *Neolamprologus multifasciatus*. *Behavioural Ecology and Sociobiology* **48**, 236-242.

[Research report by *Nature* about Schradin & Lamprecht, 2000:

<http://www.nature.com/nsu/000000803/000803-1.html>]

- 1999 Schradin, C. & Anzenberger, G. 1999. Prolactin, the hormone of paternity. *News in Physiological Sciences* **14**, 223-231.

Manuscripts under review

- Scantlebury, M., Bennett, N., Pillay, N. & Schradin, C. under review. Basking reduces endothermic energy demands in desert-living striped mice. *Journal of Zoology*.
- Schradin, C., König, B. & Pillay, N. under review. Population density does not influence sociality when reproductive competition is absent. *Evolution*.
- Schradin, C., Schmohl, G., Rödel, H.G., Schoepf, I., Treffler, S.M., Brenner, J., Bleeker, M., Schubert, M., König, B. & Pillay, N. under review. Female home range size is regulated by resource distribution and intraspecific competition: a multi-faceted, long term field study on African striped mice. *Animal Behavior*.

Non-reviewed papers and book chapters (abstracts are excluded)

- 2005 Leckman, J. F., Carter, C. S., Hennessey, M. B., Hrdy, S. B., E.B. Kervene, Klann-Delius, C., Schradin, C., Todt, D. & Holst, D. v. 2005. Biobehavioral processes in attachment and bonding. In: *Attachment and Bonding: A New Synthesis. Dahlem Workshop Report 92* (Ed. by C.S. Carter and L. Ahnert). pp. 301-348. Cambridge, MA: The MIT Press.
- 2002 Schradin, C. 2002. Die vier Fragen Tinbergens und väterliches Verhalten. In: *Gruppenmechanismen* (Ed. U. Gansloßer). pp. 29-48. Filander Verlag, Fürth.
- Schradin, C. & Anzenberger, G. 2002. Why do New World monkey fathers have enhanced prolactin levels? *Evolutionary Anthropology (Supplement)*. **1**, 122-125.
- 2001 Schradin, C. 2001. Prolaktin, das Elternhormon. *Praxis der Naturwissenschaften: Biologie in der Schule*. **5**, 24-30.
- 1998 Schradin, C. 1998. Intraspezifische Konkurrenz. Translation from English into German. In: *Ökologie, Begon, M.E., Harper, J.L. & Townsend, C.R. (Eds.): Spektrum Verlag, Heidelberg*, pp. 139-204.
- 1992 Schradin, C. 1992. Vorschlag zur Katalogisierung einer Sammlung. *Entomologische Zeitschrift*, **102**, 318-319.

Popular science (majority in German)

- 2004 - present SGM-Spiegel (in German) and FSM-Times (in English), free popular science email newsletter providing information about the projects at the *Succulent Karoo Research Station*: www.stripedmouse.com. In so far 18 issues have been published.
- 2008 Schradin, C. 2008. Der Vater im Manne? (The male parent) *Jaeger* **3/2008**, 6-9.
- Schradin, C. 2008. Le comportement paternel chez les animaux sauvages indigènes. *Chasse et Nature* 23. (Translated article).

- 2007 Schradin, C. 2007. Die Biologie des Vaters: Was uns die Verhaltensforschung über Väter berichten kann. (The biology of the father: insights from behavioral biology). Filander Verlag, Fürth, Germany. Popular science book.
- Schradin, C. 2007. Väterliches Verhalten bei einheimischen Wildtieren. (Paternal care in European animals) *Wildbiologie* **8/16**, 16 pages.
- 2006 Schradin, C. 2006. Die Elefantenspitzmaus – die kleine Verwandte der grauen Riesen. (Elephant shrews – the small relatives of the grey giants). *Rodentia* **30**.
- Sommer, V. & Schradin, C. 2006. Ach, Männer. Popular science article about fathers. *Weltwoche* 31/06.
- 2005 Schradin, C. 2005. Im Jahr der Maus. Teil 2: Das Leben von Striemengrasmaus-Weibchen Nr. 23. (In the year of the mouse. Part II: The life of striped mouse female No. 23). *Rodentia* **25**, pp. 28-30.
- Schradin, C. 2005. Im Jahr der Maus. Teil 1: „Kindheit und Jugend“ von Striemengrasmaus-Weibchen Nr. 23. (In the year of the mouse. Part I: Childhood of striped mouse female No. 23). *Rodentia* **24**, 41-43.
- Schradin, C. 2005. Namaqualand: Ein Biodiversitäts- und Kleinsäugerhotspot. (Namaqualand: A biodiversity and small mammal hotspot). *Rodentia* **23**, 26-30.

Popular reports about my research projects

- 2009 Blöchliger, B. Striemengrasmäuse: Testosteron und Risikofreudigkeit. Report on the website of the University of Zurich by unipublic.
Telegraph (Newspaper in the U.K.). 23 Feb. 2009. Nice guys get the girls. Report about our publication in the *American Naturalist*.
- 2008 Radio broadcast about animal fathers (27 min), interview with Carsten Schradin about paternal care. 30. April 2008. *IQ - Wissenschaft und Forschung from Bayern 2*.
- Boehme, N. 2008. Fürsorgliche Väter (Good fathers). Ein Herz für Tiere (A Hearth for Animals, Europe's largest animal magazine), March 2008.
- 2007 Kraft, U. 23. August 2007. Ein bisschen schwanger (A little bit pregnant). Handelsblatt.
- Boehme, N. 2007. Väter in Nadelstreifen. Interview with me about my field work and paternal care. Ein Herz für Tiere (A Hearth for Animals, Europe's largest animal magazine), July 2007.
- Blöchliger, B. Die Biologie des Vaters (The Biology of the Father). Report on the website of the University of Zurich by unipublic.
- Blöchliger, B. Von polygamy bis solitary: Die Striemengrasmaus (To be Polygynous or to be Solitary: the Striped Mouse). Report on the website of the University of Zurich by unipublic.
- Reye, B. Gute Väter statt arrogante Machos. (Good fathers, not machos!) Report in the Switzerland largest newspaper *Tages Anzeiger*.
- Tschudin, M. Das turbulente Liebesleben der Striemengrasmäuse (The turbulent love life of striped mice). TV documentary of 12min. Appeared:

1. January, *MTW*, SF1 (Swiss TV 1).
 24. and 25. January, *Nano*, 3 SAT (German TV).
 January on five public regional German TV stations (RBB, SWR, WDR, MDR und BRalpha).
 11., 12. and 13. February in the science magazine *Tomorrow Today* of Deutsche Welle TV (worldwide broadcast) in English.
 11., 12. and 13. February in the science magazine *Projekt Zukunft* of Deutsche Welle TV in German.
- Tschudin, P. Vaterschaftskonzepte im Tierreich (Fathers in the Animal Kingdom). Interview about the book „Biology des Vaters“ on the Swiss radio station DRS2 in the broadcast drsaktuell. 4 minutes.
- 2005 Wiedon, A. Fürsorglich und Flexible; Die Striemengrasmaus. (Caring and flexible: the striped mouse). *Biologie in unserer Zeit* **35**, 226-227.
 Vaterliebe nach Bedarf. (Paternal love on demand) *Horizonte* (magazine of the Swiss National Science Foundation), March, p. 8. Report about Schradin & Pillay 2005, *Behavioral Ecology***35**, 266-267.
- 2001 Papa wartet. (Daddy is waiting). National Geographic Germany, October, p. 14.
 Report about my research on Goeldi`s monkeys (*Callimico goeldii*).
- 2000 **Research report by *Nature* about Schradin & Lamprecht, 2000:**
<http://www.nature.com/nsu/000000803/000803-1.html>.