

**Publication list vitae**

**Publications**

**45 publications, first author on 35, last author on 7 of them.**

**Number of citations: 535**

**h-index: 16**

Journal	Number of publications	Impact factor	Total impact
News in Physiological Sciences (now: Physiology)	1	7	7
Molecular Ecology	2	6	12
American Naturalist	1	5	5
Functional Ecology	2	5	10
Biology of Reproduction	1	4	4
Hormones and Behavior	3	4	12
Journal of Animal Ecology	2	4	8
Journal of Human Evolution	1	4	4
Proceedings of the Royal Society of London B	1	4	4
Animal Behaviour	3	3	9
Behavioral Ecology	3	3	9
Behavioral Ecology and Sociobiology	3	3	9
Frontiers in Zoology	1	3	3
Ethology	4	2	8
Journal of Comparative Psychology	3	2	6
Journal of Mammalogy	3	2	6
Journal of Zoology	1	2	2
Organisms Diversity & Evolution	1	2	2
Physiology and Behavior	1	2	2
American Journal of Primatology	2	1	2
Belgian Journal of Zoology	1	1	1
Biodiversity and Conservation	1	1	1
Canadian Journal of Zoology	1	1	1
Journal of Ethology	2	1	2
Mammalian Biology	1	1	1
<b>Summary</b>	<b>45</b>		<b>130</b>

**Publications (reviewed journals)**

- Accept. **Schradin, C.**, Lindholm, A.K., Johannesen, J., Schoepf, I., Yuen, C.H., König, B. & Pillay, N. accept. Social flexibility as a tool to understand social behaviour. *Molecular Ecology*.
- 2011 **Schradin, C.** & Lindholm, A.K., in press. Relative fitness of alternative male reproductive tactics in a mammal varies between years. *Journal of Animal Ecology*. Doi: 10.1111/j.1365-2656.2011.01831.x
- Solmsen, N., Johannesen, J. & **Schradin C.**, 2011. Highly asymmetric fine-scale genetic structure between sexes of African striped mice indicate alternative male dispersal tactics *Molecular Ecology* **20**: 1624-1634.
- 2010 Scantlebury, M., Bennett, N., Pillay, N. & **Schradin, C.** 2010. Basking is affected by season and influences oxygen consumption in desert-living striped mice. *Journal of Zoology*. **281**: 132-139.

- Schradin, C.**, Schmohl, G., Rödel, H.G., Schoepf, I., Treffler, S.M., Brenner, J., Bleeker, M., Schubert, M., König, B. & Pillay, N. 2010. Female home range size is regulated by resource distribution and intraspecific competition: a multi-faceted, long term field study on African striped mice. *Animal Behaviour* **79**: 195-203.
- Schradin, C.**, König, B. & Pillay, N. 2010. Reproductive competition favours solitary living while ecological constraints impose group-living in African striped mice. *Journal of Animal Ecology* **73**: 515-521
- Schradin, C.**, Schneider, C. & Lindholm, A.K. 2010. The nasty neighbor in the striped mouse (*Rhabdomys pumilio*) steals paternity and elicits aggression. *Frontiers in Zoology* **7**:19.
- Wilson, L.A.B., **Schradin, C.**, Mitgutsch, C., Galliari, F.C., Trillmich, F., Andrea Mess, A., Sánchez-Villagra, M.R. 2010. Skeletogenesis in the African striped mouse (*Rhabdomys pumilio*) and a study of sequence heterochrony in rodent evolution. *Organisms Diversity and Evolution* **10**: 243-258.
- 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* **23**: 1004-1013.
- Schubert, M., Pillay N. & **Schradin, C.** 2009. Parental and allo-parental care in a polygynous mammal. *Journal of Mammalogy* **90**: 724-731.
- Schubert, M., Pillay, N., Ribble, D. & **Schradin, C.** 2009. The round-eared sengi and the evolution of social monogamy: Environmental parameters constrain males to live with a single female. *Ethology* **115**: 972-985.
- Schubert, M., **Schradin, C.**, Pillay, N. & Ribble, D. 2009. Male mate guarding in a socially monogamous mammal: On costs and trade-offs. *Behavioral Ecology and Sociobiology*. **64**: 257-264.
- 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.

#### Publications under review

- Schoepf, I. & **Schradin, C.** Better off alone! Reproductive competition and ecological constraints determine sociality in the African striped mouse (*Rhabdomys pumilio*).

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

- 2005 Leckman, J. F., Carter, C. S., Hennessey, M. B., Hrdy, S. B., E.B. Keverne, 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 -     SGM-Spiegel (in German) and FSM-Times (in English), free popular science  
2010         email newsletter providing information about the projects at the  
              *Succulent Karoo Research Station*: [www.stripedmouse.com](http://www.stripedmouse.com). In so far  
              28 issues have been published. Approx 3000 downloads per issue.
- 2008     **Schradin, C.** 2008. Der Vater im Manne? *Jaeger* **3/2008**, 6-9.  
           **Schradin, C.** 2008. Le comportement paternel chez les animaux sauvages  
              indigenes. *Chasse et Nature* 23. (Translated article).
- 2007     **Schradin, C.** 2007. Die Biologie des Vaters: Was uns die Verhaltensforschung  
              über Väter berichten kann. Filander Verlag, Fürth, Germany. Popular  
              science book.  
           **Schradin, C.** 2007. Väterliches Verhalten bei einheimischen Wildtieren.  
              *Wildbiologie* **8/16**, 16 pages.
- 2006     **Schradin, C.** 2006. Die Elefantenspitzmaus – die kleine Verwandte der  
              grauen Riesen. *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. *Rodentia* **25**, pp. 28-30.  
           **Schradin, C.** 2005. Im Jahr der Maus. Teil 1: „Kindheit und Jugend“ von  
              Striemengrasmaus-Weibchen Nr. 23. *Rodentia* **24**, 41-43.  
           **Schradin, C.** 2005. Namaqualand: Ein Biodiversitäts- und Kleinsäugerhotspot.  
              *Rodentia* **23**, 26-30.

**Popular reports about my research projects**

- 2010     There have been several newspaper reports in Germany and Switzerland  
           about our study published in *Frontiers in Zoology*, including one in the  
           *Süddeutsche Zeitung* and on  
           <http://www.sciencedaily.com/releases/2010/06/100622191928.htm>.  
           Guest on German TV, Planet Wissen, broadcast on “Rats and Mice“). June  
           2010.  
           Mal als Single, mal als Gruppe. 19. February 2010. Short report in the  
              newspaper 20minuten.  
           Fuchs, M. 15. February 2010. Überlebenskünstler im afrikanischen Busch.  
              UZH-News, report on the website of the University of Zurich.
- 2009     Blöchlinger, 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. Ein Herz für Tiere, March 2008.
- 2007     Kraft, U. 23. August 2007. Ein bisschen schwanger. Handelsblatt.  
           Boehme, N. 2007. Väter in Nadelstreifen. Interview with me about my field  
              work and paternal care. Ein Herz für Tiere, July 2007.  
           Blöchlinger, B. Die Biologie des Vaters. Report on the website of the University

- of Zurich by unipublic.
- Blöchliger, B. Von polygamy bis solitary: Die Striemengrasmaus. Report on the website of the University of Zurich by unipublic.
- Reye, B. Gute Väter statt arrogante Machos. Report in the Switzerland largest newspaper *Tages Anzeiger*.
- Tschudin, M. Das turbulente Liebesleben der Striemengrasmäuse. 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. 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. *Biologie in unserer Zeit* **35**, 226-227.
- Vaterliebe nach Bedarf. *Horizonte* (magazine of the Swiss National Science Foundation), March, p. 8. Report about Schradin & Pillay 2005, *Behavioral Ecology***35**, 266-267.
- 2001 Papa wartet. 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>.

**Presentations as first author**

	Invited talk	Talk international conference	Poster international conference	Talk national conference	Poster national conference	Talk Department
<b>2011</b>	3			1		
<b>2010</b>	2	1				1
<b>2009</b>	7		1	1		
<b>2008</b>	3	1	1		1	2
<b>2007</b>	2			1		
<b>2006</b>	3					1
<b>2005</b>		1				
<b>2004</b>		1				1
<b>2003</b>	1	1		2		
<b>2002</b>	1	1				
<b>2001</b>	3	1		2		1
<b>2000</b>	2	1	1	1		
<b>1999</b>		2		2		
<b>1998</b>				1	1	
<b>SUM</b>	<b>26</b>	<b>10</b>	<b>3</b>	<b>11</b>	<b>2</b>	<b>6</b>