

## Curriculum Vitae

### **B. Rosemary Grant**

Education:    B.Sc.(Honors)    1960    Edinburgh University, Scotland  
                  Ph.D.                    1985    Uppsala University, Sweden

#### **RESEARCH POSITIONS**

Research Associate, University of British Columbia, Canada, 1960-1964.  
Research Associate, Yale University, 1964-1965.  
Research Associate, McGill University, 1973-1977.  
Research Associate, University of Michigan, 1977-1985.  
Research Scholar and Lecturer, Princeton University, 1985-1996.  
Senior Research Scholar with rank of Professor, Princeton University, 1997-present  
University of Zürich, Switzerland, Visiting Professor, Spring-Summer 2002, Summer 2003  
Edward P. Bass Distinguished Visiting Professor, Yale University, 2010.  
Charles Darwin Scholar, Darwin University, Australia, 2016-17  
Distinguished Visiting Professor, University of Miami, 2017

#### **HONORS AND AWARDS**

The Wildlife Society's 1991 Wildlife Publication Award for the book "Evolutionary Dynamics of a Natural Population: the large cactus finch of the Galápagos" (with P. R. Grant)  
Leidy Medal, Academy of Natural Sciences of Philadelphia (with P. R. Grant), 1994  
American Academy of Arts and Sciences (elected member), 1997  
E.O. Wilson Prize, American Society of Naturalists (with P. R. Grant), 1998  
Honorary D.Sc. Degree, McGill University, 2000  
Convocation Address, McGill University, 2000  
Darwin Medal, the Royal Society of London, 2002  
Loye and Alden Miller Award of the Cooper Ornithological Society (with P. R. Grant), 2003  
Grinnell Medal, University of California, Berkeley, 2003  
Honorary Fellow, Deutsche Ornithologen-Gesellschaft, 2003  
Foreign Fellow, Royal Society of Canada, 2004  
Honorary D.Sc. Degree, Universidad San Francisco, Quito, 2005  
Honorary Citizen, Puerto Bacquerizo, I. San Cristóbal, Galápagos, 2005  
American Institute of Biological Sciences Outstanding Scientist Award for 2005 (with P. R. Grant)  
Balzan Prize in Population Biology for 2005 (with P. R. Grant)  
Municipality of Puerto Ayora Science Award, I. Santa Cruz, Galápagos (with P.R. Grant), 2006  
Fellow of the Royal Society of London, 2007  
B. R. Grant Professorship created at the University of Michigan, 2008  
Rosemary Grant award created by the Society for the Study of Evolution, 2008  
Honorary Ph.D. Degree, University of Zürich, 2008

Foreign Member, National Academy of Sciences USA, 2008  
 Honorary Member American Society of Naturalists, 2008  
 The Darwin-Wallace Medal of the Linnean Society, 2008.  
 Kyoto Prize in Basic Sciences 2009 (with P. R. Grant)  
 American Philosophical Society (elected member), 2010  
 Rosemary and Peter Grant Lecture series, University of Zürich, inaugurated 2011  
 Honorary D.Sc. Degree, Ohio Wesleyan University, 2012  
 Margaret Morse Nice Prize, Wilson Ornithological Society, 2013  
 Brewster Medal, American Ornithologists' Union, 2015.  
 Honorary D.Sc. Degree, University of Toronto, 2017  
 Royal Medal of The Royal Society of London, 2017 (with P. R. Grant)  
 BBVA Foundation Frontiers of Knowledge Award, 2018 (with P. R. Grant)

### **PLENARY and Distinguished Lecture ADDRESSES, SYMPOSIA, etc**

Convocation Address, McGill University, 2000  
 Plenary Address, Western Society of Naturalists, Portland OR, 2000  
 Plenary Address, American Institute of Biological Sciences, Washington DC, 2002  
 Plenary Address, International Ornithology Conference, Beijing, China, August 2002  
 Plenary Speaker, INTECOL, Seoul, South Korea, August 2002  
 Keynote Address, The Rocky Mountain 75<sup>th</sup> Anniversary Symposium, 2003  
 Key Address at Biodiversity Symposium, Kyoto University, Biodiversity Meeting, March 2003  
 Keynote Address at Diebold Symposium, Kalamazoo College, Michigan, May 2003  
 Keynote Address, German Zoological Society Symposium, Berlin, June 2003  
 Chris Reed Lecture, Dartmouth College, 2003  
 Arthur G. Rempel Lecture, Whitman College, Washington, April 2003  
 Capitol Series Lecture, Carnegie Institution, Washington, DC, April 2003  
 Nobel Conference XXXIX, Gustavus Adolphus College, October 2003  
 Missouri Botanical Garden 50<sup>th</sup> Anniversary Conference, October 2003  
 The Verweij Lecture, Texel, Netherlands, Keynote Address, January 2004  
 Ernst Mayr Address, Wissenschaftkolleg, Berlin-Brandenburgische Akademie, Berlin, 2004  
 World Summit on Evolution, San Cristóbal Island, Ecuador, June 2005  
 Sewall Wright Lecture, University of Chicago, 2006.  
 Plenary Speaker, Ontario Ecology and Ethology Conference, 2006  
 Distinguished Speaker Lecture, University of Michigan, Ann Arbor, 2006  
 LET'S Lecture, Swedish Museum of Natural History, Stockholm, Sweden, 2006  
 The Balzan Lecture, University of Zurich, Switzerland, June 2006  
 The Birkenmeier Lecture, Bar Harbor, Maine, 2006.  
 The Immelmann Lecture, University of Bielefeld, 2007  
 The von Hofsten Lecture, Uppsala University, 2007  
 The Beatty Lecture, University of British Columbia, 2007  
 Cosmo Caixa Lecture, Barcelona, 2007  
 The Walker Ames Lecture, University of Washington, 2008  
 Plenary Address, American Ornithologists' Union, 2008  
 Balzan Distinguished Lecture, Museum of Natural History Milan, 2009

Carlton University Distinguished Lecture, 2009  
 Caltech, Beckman Institute Symposium Distinguished Lecture, 2009  
 Gulbenkian Museum, Lisbon, Darwin Lecture, 2009  
 Institute of Catalan Studies, Barcelona, Darwin Lecture, 2009  
 University of Valencia Pellegrin Cassanova Lecture, 2009  
 Society for Experimental Biology, Glasgow, Darwin Symposium, 2009  
 Rockefeller University, Birdsong workshop, Distinguished Lecture, 2009  
 California Academy of Sciences, Darwin Symposium, 2009  
 University of Reykavik, Iceland, Darwin Lecture, 2009  
 Kristin Bonnevie, Distinguished Lecture, Oslo, 2009  
 Menorca, Darwin and Islands Symposium, 2009  
 University of Azores, Darwin Symposium, 2009  
 University of Hohenheim, Germany, Willi-Hennig and Darwin Symposium, 2009  
 Arizona State University, Dean's lecture, 2009  
 University of Chicago, Darwin Symposium, 2009  
 ETH Zurich, Darwin Symposium, 2009  
 Kyoto Prize lecture, San Diego State University, 2010  
 Knudson Lecture, GCRB, Oregon State University, 2010  
 Balzan Distinguished Lecture, Accademia Nazionale dei Lincei, Rome, 2010  
 Venice Institute of Science, Arts and Letters Lecture, Venice, 2010  
 Edward P. Bass Distinguished Lecture, Yale University, 2010  
 W. M. Keck Center Distinguished Lecture, North Carolina State University, 2011  
 Serralves Foundation Lecture, Porto, 2011  
 Werner Heisenberg Lecture, Siemens Foundation, Munich, 2011  
 Lady Margaret Beaufort Lecture, Christ's College, Cambridge, 2011  
 Clark Ornithology Lecture, Ohio Wesleyan University, 2012  
 Inaugural Evolution lecture, Reed College, 2012  
 Invited speaker, EMBO Symposium, Istituto Veneto, Venice, 2012  
 Plenary Address, French Society for the Study of Animal Behavior, St. Etienne, 2012  
 L. Floyd Clarke Lecture, University of Wyoming, 2012  
 Margaret Morse Nice Lecture, Wilson Ornithological Society, Williamsburg, 2013  
 Colorado State University Distinguished Ecologist Lecture, 2013  
 Heinz Hafner lecture, Tour du Valat, France, 2013  
 Sinauer Lecture, University of Massachusetts, 2014  
 Plenary Lecture. International Conference on Island Biology, Honolulu, 2014  
 Vaughan Lecture, Museum of Science, Buffalo, N.Y., 2014  
 Invited speaker, EMBO Workshop, Stazione Zoologica, Naples, 2014  
 Wilhoft Lecture, Rutgers University, Newark, 2014  
 Darwin Lecture, Florida State University, Tallahassee, 2015  
 American Academy of Arts & Sciences, Cambridge, MA, 2015  
 Plenary Address, Texas A&M University Ecology Symposium, 2015  
 Plenary Address, Biology Leadership Conference, Pearson Publishers, Austin, TX, 2015  
 John T. Emlen lecture, University of Wisconsin, Madison, WI, 2015  
 A. C. Moore lectures (2), University of South Carolina, Columbia, S.C., 2015  
 Women in Science Program, Field Museum, Chicago, 2015  
 Darwin Way inaugural lecture, National Institute of Ecology, S. Korea, 2015

Konkuk University lecture, Seoul, South Korea, 2015  
 Ewha University lecture, Seoul, South Korea, 2015  
 Island Biology, Harvard Museum of Natural History series, 2016  
 American Association of Physical Anthropology symposium, Atlanta, GA, 2016  
 Super-Speaker series, Duke University, Durham, 2016  
 Louis Thaler lecture, University of Montpellier, France, 2016  
 Plenary Speaker, International Society for Behavioral Ecology, Exeter, UK, 2016  
 Richard and Glenda Rosenblatt lecture, Scripps institute of Oceanography, San Diego, 2016  
 Distinguished Visiting Professor lecture, University of Miami, 2017  
 University of Iowa, Darwin Symposium, 2017  
 Keynote speaker, Annual graduate symposium, Dept. Fisheries & Wildlife, Oregon State, 2017  
 Invited Speaker, Symposium to celebrate Finland's independence centenary, Helsinki, 2017  
 Snider lecture, 50<sup>th</sup> Anniversary of the Founding of the Mississauga, University of Toronto, 2017  
 Convocation Address, University of Toronto, 2017  
 Capital Science Evening Lecture, Carnegie Institution for Science, Washington, DC, 2018  
 Darwin lecture, Carlton College, 2018  
 Darwin lecture, Duquesne University, 2018  
 Paul C. Munding lecture, Cornell University, 2018

#### **INTERNATIONAL ORGANIZATION, MEMBERSHIP:**

Charles Darwin Foundation, General Assembly, elected 2002

#### **PUBLICATIONS IN JOURNALS:**

- Grant, P. R., Smith, J. N. M., Grant, B. R., Abbott, I. J. and Abbott, L. K. (1975) Finch numbers, owl predation and plant dispersal on Isla Daphne Major, Galápagos. *Oecologia (Berlin)* **19**: 239-257.
- Grant, P. R., Grant, B. R., Smith, J. N. M., Abbott, I. J. and Abbott, L. K. (1976) Darwin's Finches: population variation and natural selection. *Proceedings of the National Academy of Sciences (USA)* **73**: 257-261.
- Smith, J. N. M., Grant, P. R., Grant, B. R., Abbott, I. J. and Abbott, L. K. (1978) Seasonal variation in feeding habits of Darwin's Ground Finches. *Ecology* **59**: 1137-1150.
- Grant, B. R. and Grant, P. R. (1979) Darwin's Finches: population variation and sympatric speciation. *Proceedings of the National Academy of Sciences (USA)* **76**: 2359-2363.
- Grant, P. R., and Grant, B. R. (1979). The feeding ecology of Darwin's Ground Finches. *Noticias de Galápagos* **30**: 14-18.
- Grant, P. R. and Grant, B. R. (1980) Annual variation in finch numbers, foraging and food supply on Isla Daphne Major, Galápagos. *Oecologia (Berlin)* **46**: 55-62.

- Grant, P. R. and Grant, B. R. (1980) The breeding and feeding of Darwin's Finches on Isla Genovesa, Galápagos. *Ecological Monographs* **50**: 381-410.
- Grant, B. R. and Grant, P. R. (1981) Exploitation of *Opuntia* cactus by birds on the Galápagos. *Oecologia (Berlin)* **49**: 179-187.
- Grant, B. R. and Grant, P. R. (1982) Niche shifts and competition in Darwin's Finches: *Geospiza conirostris* and congeners. *Evolution* **36**: 637-657.
- Grant, B. R. and Grant, P. R. (1983) Fission and fusion in a population of Darwin's Finches: an example of the value of studying individuals in ecology. *Oikos* **41**: 530-547.
- Grant, B. R. (1984) The significance of song variation in a population of Darwin's Finches. *Behaviour* **89**: 90-116.
- Grant, B. R., and Grant P. R. (1984). Plant and finch responses on Isla Genovesa to the El Niño event of 1982-1983. *Noticias de Galápagos* **39**: 12-14.
- Grant, B. R. (1985) Selection on bill characters in a population of Darwin's Finches: *Geospiza conirostris* on Isla Genovesa, Galápagos. *Evolution* **39**: 523-532.
- Grant, P. R., and Grant, B. R. (1985) Responses of Darwin's Finches to unusual rainfall. Pp. 417-447. In *El Niño in the Galápagos Islands: the 1982-1983 event*. G. Robinson and E. del Pino, eds. ISALPRO, Quito.
- Grant, P. R. and Grant, B. R. (1987) The extraordinary El Niño event of 1982-83: effects on Darwin's Finches on Isla Genovesa, Galápagos. *Oikos* **49**: 55-66.
- Grant, B. R. and Grant, P. R. (1987) Mate choice in Darwin's Finches. *Biological Journal of the Linnean Society* **32**: 247-270.
- Grant, P. R., and Grant, B. R. (1989). Sympatric speciation and Darwin's Finches. Pp. 433-457. In *Speciation and its Consequences*, D. Otte and J. Endler, eds. Sinauer, Sunderland, Mass.
- Grant, P. R. and Grant, B. R. (1989) The slow recovery of *Opuntia megasperma* on Española. *Noticias de Galápagos* No. **48**: 13-15.
- Grant, B. R., and Grant, P. R. (1989) Natural selection in a population of Darwin's Finches. *American Naturalist* **133**: 377-393.
- Grant P. R., and Grant, B. R. (1990) Plant-animal interactions: consumption of seeds by Darwin's Finches. In: *Monographs in Systematic Botany of the Missouri Botanical Gardens* **32**: 179-187.
- Grant, B. R. (1990) The significance of subadult plumage in Darwin's finches, *Geospiza fortis*. *Behavioral Ecology* **1**: 161-170.

- Grant P. R., Grant, K. T., and Grant, B. R. (1991) *Erythrina velutina* and the colonization of remote islands. *Noticias de Galápagos* No. **50**: 3-5.
- Grant, P. R. and B. R. Grant. (1992) Demography and the genetically effective sizes of two populations of Darwin's Finches. *Ecology* **73**: 766-784.
- Grant, P. R., and Grant, B. R. (1992) Global Warming and the Galápagos. *Noticias de Galápagos* No. **51**: 14-16.
- Grant, P. R., and Grant, B. R. (1992) Hybridization of bird species. *Science* **256**: 193-197.
- Grant, B. R., and Grant, P. R. (1993) Evolution of Darwin's finches caused by a rare climatic event. *Proceedings of the Royal Society London B* **251**: 111-117. [Featured in BBC Wildlife Magazine, and News and Views in *Nature*.]
- Grant, P. R., and Grant, B. R. (1994) Phenotypic and genetic consequences of hybridization in Darwin's Finches. *Evolution* **48**: 297-316 .
- Grant, P. R., and Grant, B. R. (1995). The founding of a new population of Darwin's Finches. *Evolution* **49**: 229-240.
- Grant, P. R., and Grant, B. R. (1995) Predicting microevolutionary responses to directional selection on heritable variation. *Evolution* **49**: 241-251.
- Grant, P. R. and Grant, B. R. (1995) Hybridisierung von *Darwins* Finken. *Praxis der Naturwissenschaften - Biologie* **44**: 24-26.
- Grant, B. R. (1996) Pollen Digestion by Darwin's Finches and its importance for early breeding. *Ecology* **77**: 489-499.
- Grant, P. R., and Grant, B. R. (1996) Finch communities in a fluctuating environment. Pp. 343-390. In: *Long-term studies of vertebrate communities*. M. L. Cody and J. A. Smallwood, eds. Academic Press, N.Y.
- Grant, B. R., and Grant, P. R. (1996) High survival of Darwin's Finch hybrids: effects of beak morphology and diets. *Ecology* **77**: 500-509.
- Grant, P. R., and Grant, B. R. (1996) Speciation and hybridization in island birds. *Philosophical Transactions of the Royal Society of London B* **350**: 765-772.
- Vincek, V., O'Huigin, C., Satta, Y., Takahata, N., Boag, P. T., Grant, P. R., Grant, B. R., and Klein, J. (1996). How large was the founding population of Darwin's finches? *Proceedings of the Royal Society London B* **264**: 111-118.
- Grant, B. R., and Grant, P. R. (1996) Cultural inheritance of song and its role in the evolution of Darwin's Finches. *Evolution* **50**: 2471-2487.

- Grant, P. R., and Grant, B. R. (1997) The rarest of Darwin's Finches. *Conservation Biology* **11**: 119-126.
- Grant, P. R., and Grant, B. R. (1997) Hybridization, sexual imprinting and mate choice. *American Naturalist* **149**: 1-28.
- Grant, P. R., and Grant, B. R. (1997) Mating patterns of Darwin's Finch hybrids determined by song and morphology. *Biological Journal of the Linnean Society* **60**: 317-343.
- Grant, P. R. and Grant, B. R. (1997) Genetics and the origin of bird species. *Proceedings of the National Academy of Sciences, USA*. **94**: 7768-7775.
- Grant, B. R., and Grant, P. R. (1998) Hybridization and speciation in Darwin's Finches: the role of sexual imprinting on a culturally transmitted trait. Pp. 404-422 in D. J. Howard and S. Berlocher, eds. *Endless forms: species and speciation*. Oxford University Press.
- Grant, P. R., and Grant, B. R. (1998). Speciation and hybridization of birds on islands. Pp. 142-162 in *Evolution on Islands*, P. R. Grant, ed. Oxford University Press, Oxford.
- Petren, K., Grant, B. R. and Grant, P. R. (1999). Low extrapair paternity in the cactus finch (*Geospiza scandens*). *Auk* **116**: 252-256.
- Petren K., Grant, B. R., and Grant, P. R. (1999). A phylogeny of Darwin's finches based on microsatellite DNA length variation. *Proceedings of the Royal Society of London B* **266**: 321-329.
- Grant, P. R., and Grant, B. R. (1999). Quantitative genetic variation in populations of Darwin's Finches. Pp. 3-40 in *Adaptive Variation in the Wild*, T. A. Mousseau, B. Sinervo and J. A. Endler, eds. Oxford University Press, New York.
- Sato, A., O'Huigin, C., Figueroa, F., Grant, P. R., Grant, B. R., Tichy, H., and Klein, J. (1999). Phylogeny of Darwin's Finches as revealed by mitochondrial DNA sequences. *Proceedings of the National Academy of Sciences USA* **96**: 5101-5106.
- Grant, P. R. and Grant, B. R. (1999). Effects of the 1998 El Niño event on Darwin's Finches on Daphne. *Noticias de Galápagos* **60**: 29-30.
- Grant, P. R., Grant, B. R., and Petren, K. (2000). The allopatric phase of speciation: the Sharp-beaked Ground Finch (*Geospiza difficilis*) on the Galápagos islands. *Biological Journal of the Linnean Society* **69**: 287-317.
- Grant, P. R., Curry, R. L., and Grant, B. R. (2000). A remnant population of the Floreana mockingbird on Champion island, Galápagos. *Biological Conservation* **92**: 285-290.
- Grant, P. R., Grant, B. R., and Petren, K. (2000). Vocalizations of Darwin's Finch relatives. *Ibis* **142**: 680-682.

- Grant, P. R., Grant, B. R., Keller, L. F. and Petren, K. (2000). Effects of El Niño events on Darwin's Finch productivity. *Ecology* **81**: 2442-2457.
- Grant, P. R. and Grant, B. R. (2000). Non-random fitness variation in two populations of Darwin's finches. *Proc. R. Soc. Lond. B* **267**: 131-138.
- Sato, A., Figueroa, F., Mayer, W. E., Grant, P. R., Grant, B. R., and Klein, J. (2000). *Mhc* class II genes of Darwin's Finches: divergence by point mutations and reciprocal recombination. Pp. 518-541 in *The Major Histocompatibility Complex: Evolution, Structure, and Function*, M. Kasahara, ed. Springer-Verlag, Tokyo.
- Sato, A., O'Huigin, C., Tichy, H., Grant, P. R., Grant, B. R., and Klein, J. (2001). On the origin of Darwin's Finches. *Molecular Biology and Evolution* , **18**: 299-311.
- Keller, L. F., Grant, P. R., Grant, B. R., Petren, K. (2001). Heritability of morphological traits in Darwin's Finches: misidentified paternity and maternal effects. *Heredity* **87**: 325-336.
- Grant, P. R., Grant, B. R. and Petren, K. (2001). Evolution of a population founded by a single pair of individuals. *Genetica*, **113**: 359-382.
- Sato, A., Mayer W. E., Tichy, H., Grant, P. R., Grant, B. R. and Klein, J. (2001). Evolution of *Mhc* Class II *B* Genes in Darwin's Finches and Their Closest Relatives: Birth of a New Gene. *Immunogenetics* **53**: 792-801.
- Keller, L. F., Grant, P. R., Grant, B. R. and Petren, K. (2002). Environmental conditions affect the magnitude of inbreeding depression in survival of Darwin's finches. *Evolution* **56**: 1229-1239.
- Grant, B. R. and Grant, P. R. (2002). Lack of premating isolation at the base of a phylogenetic tree. *American Naturalist* **160**: 1-19.
- Grant, P. R. and Grant, B. R. (2002). Darwin's Finches. In *Encyclopedia of Evolution*, M. Pagel, ed. Oxford University Press, New York.
- Grant, P. R. and Grant, B. R. (2002). Galápagos Islands. In *Encyclopedia of Evolution*, M. Pagel, ed. Oxford University Press, New York.
- Grant, P. R. and Grant, B.R. (2002). Adaptive radiation of Darwin's Finches. *American Scientist* **90**: 130-139.
- Grant, P. R. and Grant, B. R. (2002). Unpredictable evolution in a 30-year study of Darwin's finches. *Science* **296**: 707-711.
- Grant, B. R. and Grant, P. R. (2002). Simulating secondary contact in allopatric speciation: an empirical test of premating isolation. *Biological Journal of the Linnean Society* **76**: 542-556.
- Grant, P. R. and Grant, B. R. (2003). Reversed sexual dimorphism in the beak of warbler finches. *Ibis*: **145**: 341-343.



- Grant, P. R., Grant, B. R., Keller, L. F., Markert, J. A. and Petren, K. (2003). Inbreeding and interbreeding in Darwin's Finches. *Evolution* **57**: 2911-2916.
- Grant, P. R. and Grant, B. R. (2003). What Darwin's Finches can teach us about the evolutionary origin and regulation of biodiversity. *BioScience* **53**: 965-975.
- Grant, B. R. (2003). Evolution in Darwin's Finches. *Zoology* **106**: 255-259.
- Markert, J. A., Grant, P. R., Grant, B. R., Keller, L. F., Coombs, J. L., and Petren, K. (2004). Neutral locus heterozygosity, inbreeding, and survival in Darwin's ground finches (*Geospiza fortis* and *G. scandens*). *Heredity* **92**: 306-315.
- Grant, P. R., Grant, B. R., Markert, J. A., Keller, L. F. and Petren, K. (2004) Convergent evolution of Darwin's Finches caused by introgressive hybridization and selection. *Evolution* **58**: 1588-1599.
- Abzhanov, A., Protas, M., Grant, B. R., Grant, P. R. and Tabin, C. J. (2004). *Bmp4* and morphological variation of beaks in Darwin's Finches. *Science* **305**: 1462-1465.
- Grant, B. R. (2004). Evolutionary dynamics of sympatric Darwin's Finch populations in the Galápagos Archipelago. *Acta Zoologica Sinica* **50**(6): 936-941.
- Grant, P. R., Grant, B. R., Petren, K. and Keller, L. F. (2005). Extinction behind our backs: the possible fate of one of the Darwin's finch species on Isla Floreana, Galápagos. *Biological Conservation*: **122**: 499-503.
- Tonnis, B., Grant, P. R., Grant, B. R., and Petren, K. (2005). Habitat selection and ecological speciation in Galápagos warbler finches (*Certhidea olivacea* and *C. fusca*). *Proc. Royal Soc. Lond. B* **272**: 819-826.
- Grant, P. R., Grant, B. R. and Petren, K. (2005). Hybridization in the recent past. *American Naturalist* **166**: 56-67
- Grant, P.R. and Grant, B. R. (2005) Darwin's Finches. *Current Biology* **15**: R614-R615.
- Petren, K., Grant, P. R., Grant, B. R. and Keller, L. F. (2005) Comparative landscape genetics and the adaptive radiation of Darwin's finches: the role of peripheral isolation. *Mol. Ecol.* **14**: 2943-2957.
- Grant, P. R., Grant, B. R. and Abzhanov, A. (2006). A developing paradigm for the development of bird beaks. *Biological Journal of the Linnean Society* **86**: 17-22.
- Grant, P.R. and Grant, B.R. (2006). Species before speciation is complete. *Annals of the Missouri Botanical Gardens* **93**: 94-102.
- Arbogast, B.S., Drovetski, S.V., Curry, R.L., Boag, P.T., Seutin, G., Grant, P.R., Grant, B.R., and Anderson, D.J. (2006). The origin and diversification of Galápagos mockingbirds. *Evolution* **60**: 370-382.

- Grant, P.R. and Grant, B.R. (2006). Evolution of character displacement in Darwin's Finches. *Science* **313**: 224-226.
- Abzhanov, A., Kuo, W.P., Hartmann, C., Grant, B.R., Grant, P.R., and Tabin, C.J. (2006). The calmodulin pathway and the evolution of elongated beak morphology in Darwin's finches. *Nature* **442**: 563-567.
- Grant, B. R. and Grant P. R. (2006). Evolution of Darwin's finches. In Berlin-Brandenburg Academy of Sciences and Humanities (Ed.), *Berichte und Abhandlungen*, Vol. 11, Akademie Verlag, Berlin, Germany, pp. 415-430.
- Grant, P.R. and Grant, B.R. (2008). Pedigrees, assortative mating and speciation in Darwin's finches. *Proceedings of the Royal Society B* **275**: 661-668.
- Grant, B.R. and Grant, P.R. (2008). Fission and fusion of Darwin's finch populations. *Philosophical Transactions of the Royal Society B* **363**: 2821-2829.
- Grant, P.R. and Grant, B.R. (2009). Sympatric Speciation, Immigration, and Hybridization in Island Birds. In J.B. Losos & R.E. Ricklefs (Ed.), *The Theory of Island Biogeography Revisited*. Princeton University Press. Princeton, N.J. pp. 326-357
- Grant, P. R. and Grant, B. R. (2009). The secondary contact phase of allopatric speciation in Darwin's finches. *Proceedings of the National Academy of Sciences USA* **106**: 20141-20148.
- Grant, B. R. and Grant, P. R. (2009). Darwin's finches: studying evolution in action. Pp. 122-129 in T. de Roy (ed.), *Galápagos. Preserving Darwin's Legacy*. David Bateman Ltd., Auckland, N.Z.
- Hoeck, P. E. A., Beaumont, M. A., James, K. E., Grant, B. R., Grant, P. R. and Keller, L. F. (2010). Saving Darwin's muse: evolutionary genetics for the recovery of the Floreana mockingbird. *Biology Letters* **6**: 212-215.
- Huber, S. K., Owen, J. P., Koop, J. A. H., King, M. O., Grant, P. R., Grant, B. R. and Clayton, D. H. (2010). Ecoimmunity in Darwin's Finches: invasive parasites trigger acquired immunity in the medium ground finch (*Geospiza fortis*). *PLoS one* **5**(1): e8605.
- Petren, K., Grant, P. R., Grant, B. R., Clack, A. A. and Lescano, N. V. (2010). Multilocus genotypes from Charles Darwin's finches: biodiversity lost since the voyage of the *Beagle*. *Philosophical Transactions of the Royal Society B* **365**: 1009-1018.
- Grant, P. R. and Grant, B. R. (2010). Conspecific versus heterospecific gene exchange between populations of Darwin's finches. *Philosophical Transactions of the Royal Society B* **365**: 1065-1076.
- Grant, P. R. and Grant, B. R. (2010). Natural selection, speciation and Darwin's finches. *Proc. Calif. Acad. Sci. Ser. 4*, **61** (Supplement II, no. 14): 245-260.
- Grant, B. R. and Grant, P. R. (2010). Evolution of Darwin's finches. . In V. Pérez-Mellado and M. M. Ramon (Eds.), *Islands and Evolution. Institut Menorqui d'Estudis* **19**: 11-25.

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- Grant, B. R., and Grant, P. R. (1989) *Evolutionary Dynamics of a Natural Population: The Large Cactus Finch of the Galápagos*. University of Chicago Press, Chicago, IL., xix + 350 pp. Winner of the 1991 Wildlife Society Award.

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## **MEDIA**

- Personal profile in *Evolution* (3rd ed., (2000), Jones and Bartlett, publishers) by M. W. Strickberger.
- Personal profile in *Biology* (6<sup>th</sup> ed., (2001), Addison Wesley Longman, publishers) by N. A. Campbell, J. B. Reece and L. G. Mitchell.
- Collaboration with author and producer on works based on our research with Darwin's Finches:
- Weiner, J. (1994). *The Beak of the Finch*. Alfred Knopf, New York (Winner of the Pulitzer Prize for Non-Fiction, 1995).
- Larson, E. J. (2001). *Evolution's Workshop*. Basic Books, New York.
- Kurtis Productions Ltd. (1995). *What Darwin Never Saw*. TV program shown on PBS.
- BBC / Open University (1998). *Galápagos*. Educational program on evolution.
- National Geographic / BBC / ABC (1999). *Islands of the Vampire Finch*. TV program for general distribution.

Advised the California Science Center in constructing an Evolution Exhibit featuring Darwin's Finches and our research, the same with an NSF-sponsored 6-Museum exhibit entitled *Explore Evolution* (2005), and the same with the American Museum of Natural History's *Darwin* exhibit (2005).

Howard Hughes Medical Institute (2013). *The Origin of Species. The Beak of the Finch*. Film for science teachers and students.

Personal Profile in *Ten Thousand Birds. Ornithology since Darwin*. (2014) T. Birkhead, B. Montgomerie, and J. Wimpenny, eds. Princeton University Press, Princeton.

Produced, with P. R. Grant, (2015) *Darwin's Finches in Galápagos*, a six-part film for science teachers and students.

Inaugurated, with B. R. Grant, Darwin's Way and memorial plaque, a tribute to Charles Darwin at the National Institute of Ecology, Seocheon-gun, S. Korea, November 2015. We inaugurated another trail, Grants' Way, at the same time.

Massive Open Online Course (MOOC) on Evolution and Tropical Ecology, Charles Darwin University, Australia, June 2016.

*Australian Broadcasting Corporation*, interview at Darwin and Alice Springs (2016).

*Quanta Magazine*, interview with Emily Singer about our research (2016).

*This view of Life*, interview with D. S. Wilson about our research (2016).

Interview with Hari Sridar (<http://innge.net/?q=node/1155>) (<https://cesess.wordpress.com/2017/02/08/revisiting-grant-and-grant-2006/>) on the paper on character displacement we published in 2006.