

JOSHUA R. GINSBERG

Education

- Ph.D. Biology, Princeton University, January 1988
M.A. Biology, Princeton University, March 1984
Ph.D. Program, Dept. of Zoology, University of Cambridge, 1981/2 (transfer to Princeton)
B.S. Yale University, May 1980, *cum laude*, Distinction in Geology (Paleontology)

Management Experience

Cary Institute of Ecosystem Studies

- 2014-Present President, Cary Institute of Ecosystem Studies:
As President, I am responsible for leadership and oversight of the Cary Institute of Ecosystem Studies, an independent institution located on 2,000-acres of recovering forests in New York's Hudson Valley. With an annual budget of over \$14 million, and an endowment of \$120 million, the Institute has a staff of over 100, including a core scientific staff of 16 Ph.D. scientists, who are joined by dozens of emeritus scientists, postdoctoral researchers, graduate and undergraduate students. The Institute is a world-class center for ecosystem science. With projects in 26 countries, our focal areas include: the ecosystem-level impacts of climate change; freshwater ecosystems and provisioning; disease ecology and the drivers of emerging infectious disease; invasive species ecology and impact; and urban ecology and sustainability. The science program is complemented by the Cary Institute's renowned education, communication, and outreach initiatives.

Wildlife Conservation Society

- 2010-2014 Senior Vice President, Global Conservation Program. The position was created in 2010 to take on the direct line management of the Global Program's five regional programs (North America, Asia, Africa, Latin America, and Marine) and the management and technical programs that supported them (Conservation Operations and Conservation Support). In 2013, the oversight of the Wildlife Health Program was added to my portfolio. I also oversaw the Division's \$87 million (FY14) budget and was an active participant in fund raising from private individuals, foundations, and government and agency sources. In 2013, I led the Science Subcommittee of the institutional strategic planning process overseen by CEO, Cristián Samper.

- 2004 – 2009 Vice-President, Conservation Operations. This position was created in 2004 to ensure the development and implementation of management systems to support the WCS Global Conservation Program that spans 52 countries with 2500 staff. Reporting to the Executive Vice-President, Conservation and Science, I was responsible for coordination with other divisions (Development, IT, OGC, Finance and Budget, HR), for development and management of the GCP budget (>\$60 million in FY08) and for overseeing monitoring and evaluation of our field projects and programs. My position also included chairing the Strategic Planning and Review Coordination committee (SPARC) overseeing strategic planning at the global, regional, national, and landscape levels, and integration of planning with management systems. The position entailed significant interaction with, and representation to, the Board, partner organizations and governments, and colleagues around the world.
- 1996-2004 Director, Asia and Pacific Programs. Responsible for program development and administration of a portfolio of conservation projects and programs in 17 Asian countries in Central Asia, East and Southeast Asia, and the Pacific. Activities covered a wide range of topics, from implementation of a Masterplan for Wildlife in Sarawak, community based conservation programs in Papua New Guinea, to research and conservation of tigers in Nagrahole National Park, India and the Russian Far East. The Asia Program budget grew from \$1.5 million in FY '97 to \$7.5 million in FY '05. I had 17 direct reports, and a total staff of 350 in the region. Responsibilities included extensive contact with and management of donors, developing new funding sources, and representing the Society internationally (e.g. CITES, IUCN).
- Mar-Dec. 2002 Director (Acting) Africa Program. Concurrently with Asia Program activities, I was responsible for program development and administration of a portfolio of conservation programs in 14 African countries, overseeing a budget of \$6 million in FY '03 and planning a budget of \$15 million in FY '04.

Other Organizations

- 2017-Present [Scenic Hudson, Inc.](#): Science, Climate, and Stewardship Committee.
- 2016-Present [American Museum of Natural History, Center for Biodiversity and Conservation](#): Member, Advisory Council.
- 2014-Present [The Ocean Foundation](#): Board Chair, 2024; Board member, Treasurer. A community foundation with a mission to support, strengthen, and promote organizations dedicated to reversing the trend of destruction of ocean environments around the world.
- 2011-Present [Open Space Institute](#): Board member. Executive Committee member (2016-2019). Chair, Conservation Capital Committee (2012-present), Chair, Land Protection Impact Assessment Review Committee (2019-present). OSI is dedicated to land protection, management, and conservation.
- 2024-present [North East Community Center \[NECC\]](#): Board of Directors.
- 2018-2022 [Foundation for Community Health](#): Board of Directors.

2017-2022	<u>TRAFFIC International</u> : Board of Directors.
2017-2022	<u>Salisbury Forum</u> : Board of Directors.
2016; 2017	<u>Smithsonian Environmental Research Center</u> : Member, Review Panel.
2013-2017	<u>Foundation for the Exhibition of Photography</u> : Board member. The Foundation develops and tours photographic exhibits worldwide.
2011-2017	<u>Catskill Mountainkeeper</u> : Board member. CMK is dedicated to the protection and sustainable development of the Catskills.
1999-2015	<u>Blacksmith Institute Pure Earth</u> : Founding Board member. NGO focusing on pollution remediation in the developing world.
2004- 2007	<u>Video Volunteers</u> : Founding Board member of a start-up NGO focusing on empowerment of the voiceless through digital video.
2001-2013	NOAA-NMFS : Chairman (2001-2007) and member of the NOAA-National Marine Fisheries Service (NMFS) Hawaiian Monk Seal Recovery Team. As Chairman, I led on the first revision of the species <u>Recovery Plan</u> in two decades.
1997	NOAA/NMFS : Chairman Hawaiian Monk Seal Captive Care Review Panel.
1995-1996	USAID-AAAS : American Association for the Advancement of Science (AAAS) Diplomacy Fellow, Office of Donor Partnerships, Bureau for Policy and Program Coordination (PPC), USAID, Washington. Office responsible for coordinating USAID's policies with those of all other multi-lateral and bilateral donors. Also served as advisor to the Director of PPC's Environment Division on matters relating to CITES and African biodiversity issues.
1995	RSPCA : On contract to the Zoological Society of London, consultant to the Royal Society for the Protection of Animals on a study of methods to control an introduced population of macaques on the island of Mauritius.
1995-2001	National Foundation for Integrative Medicine : Berkeley, California. Board member.
1990-2001	IUCN : Deputy Chairman, IUCN-SSC Canid Specialist Group.
1989- 2001	IUCN : Member, Equid, Reintroductions & Captive Breeding Specialist Groups.
1994-95	IUCN : Member, IUCN Data Management System Vision & Technical Working Groups.
1994	IUCN : Member, IUCN Delegation, CITES 9th Meeting of the Conference of the Parties, Ft. Lauderdale. Expert on Criteria, Confiscation Guidelines.
1993-1994	IUCN : Member, IUCN Categories of Threat Drafting Group, Georgina Mace, Chair.
1993	IUCN : Chairman, Reintroduction Specialist Group Committee on Disposition of Confiscated Animals. Author of Draft Guidelines to be used by IUCN and as a basis for CITES Draft Resolution DOC. 9.55 Annex I.
1992-1997	Biodiversity Foundation for Africa : (Bulawayo Museum) Board of Advisors.
1992-1997	Hwange Conservation Trust, Zimbabwe : Trustee.

Academic & Scientific Experience

- 2015-Present **Rutgers, The State University of New Jersey.** Faculty, Ecology and Evolution Graduate Program, *School of Environmental and Biological Sciences*, New Brunswick, New Jersey.
- 1998-2023 **Columbia University.** *School of International and Public Affairs (SIPA); Department of Evolution, Ecology and Environmental Biology (E3B); Consortium for Environmental Research and Conservation (CERC).* As a Full Professor (adjunct) I have supervised 11 Masters students, and six Ph.D. students, served on 12 Ph.D. committees, annually co-taught the core course in conservation biology for Masters and Ph.D. students (two terms, 1998-2010), and have served on faculty search committees. I also served on the Management committee of CERC for 5 years. From 2009 to 2014, I taught a course on International Environmental Policy at the School of International and Public Affairs (SIPA), and in 2013, I taught a graduate seminar in E3B on Emerging Issues in Conservation Biology.
- 1991-1996 **Institute of Zoology, Zoological Society of London.** For four years, I held the position of Research Fellow in Ecology overseeing the work of three Ph.D. students and conducting ecologically focused research in Africa.
- 1993-1995 **University College London, Department of Biology.** Honorary Research Fellow and Lecturer teaching both undergraduate and M.Sc. courses in Conservation Biology.
- 1987-1991 **Oxford University, Department of Zoology.** I held an appointment in the Department of Zoology as a Research Fellow, supported by a N.A.T.O. Post-doctoral Fellowship, and then as the Guy Newton Junior Research Fellow, Wolfson College. In 1991, I held a fill-in appointment as a Visiting Lecturer teaching 18 lectures on the biology of mammals.
- 1986-1987 **Natural Resources Defense Council.** Consultant for World Bank proposal for livestock development in Botswana.
- 1989-1994 **African Wild Dog Research Project, Zimbabwe.** I was Principal Investigator on a study of the conservation biology of the endangered African wild dog, *Lycaon pictus*. I led a research team of two graduate students and one full time research assistant. Project completed March, 1994.
- 1983-1993 **Grevy's Zebra Research Project.** I was Principal Investigator on a study of the behavior, ecology, and conservation of the Grevy's zebra in Kenya. The study served as the subject of my Ph.D., and then was followed up on by two Ph.D. students.
- 1980-1981 **Henry Luce Scholar.** Fellowship providing support for one year's work in which I served as a naturalist in the Thai National Parks service, based in Taurtao National Park.
- 1980-1981 **Sea Turtle Conservation, Tarutao Thailand.** While a Luce Scholar, I raised funds for research on endangered sea turtles, and was co-Principal Investigator, of World Wildlife Fund (International) Project 1816.

Editorial Boards

- 1999-2004 ***Animal Conservation***, journal of the Zoological Society of London. Editorial Board.
- 1996-2006 ***Conservation Biology***, journal of the Society for Conservation Biology. For a decade, I served as one of two Associate Editors with the responsibility of conceiving, commissioning, and editing *Issues in International Conservation*.
- 1993-2018 ***Oryx***, journal of the Flora and Fauna Preservation Society, Editorial Board.

Journal & Press Reviews

American Naturalist, Animal Behavior, Animal Conservation, BBC Wildlife, Biological Conservation, BioScience, Conservation Biology, Ecological Applications, Ecological Economics, Environmental Management, Global Crime, Human Ecology, Journal of Animal Ecology, Journal of Tropical Ecology, MBG Annals, Nature, Oryx, PLoS Biology, PLOS One, Proceedings of the National Academy of Sciences, Proceedings of the Royal Society: Biological Sciences, Science, Zoo Biology, Cambridge University Press, Princeton University Press, National Geographic, Scholastic Press.

Talks, Workshops, and Committees (selected)

- 2014-2024 [Cary Institute talks and panels](#) as a speaker and facilitator¹
- 2023 American Institute of Architects, Westchester, Invited lecture. *Living the Mission: Moving to a Net Carbon Positive Future for the Cary Institute*
- 2021 The Ethical Society of Northern Westchester. Invited Lecture, *Science for the 21st Century: Why Science Matters*, 12 December
- 2019 American Planning Association Meeting, MD, Invited Lecture, 3 May
- 2019 Gund Institute, University of Vermont, Burlington, VT, Invited Lecture, 19 April
- 2019 Archbold Biological Station, Venus, FL, Invited Lecture, 24 January
- 2018 Wallace Center, FDR Library, Hyde Park, NY, Member, Lyme Disease Panel, 29 October
- 2018 Cornell University, Ithaca, NY, Invited Lecture, 2 October
- 2018 Ecological Society of America, 103rd Annual Meeting, New Orleans, LA, Lecture, 6 August
- 2018 Society for Conservation Biology, 29th Int'l. Congress for Conservation Biology, Toronto, Ontario, Canada, Lecture, 25 July
- 2017 Hotchkiss School, Summer Portals Environmental Science Program, Invited Lecture, 7 July
- 2017 Vassar College, Conservation Leaders of Tomorrow Conference, Panel Member, 20 April

¹ <https://www.caryinstitute.org/news-insights/lecture-videos>

2017	Harvard University, Harvard Planetary Health Alliance Meeting, Invited Speaker, 28-20 April
2017	University at Albany, SUNY, Albany, Invited Falconer Lecture Series, 4 April
2017-Present	Cary Institute of Ecosystem Studies, Fundamentals of Ecosystem Ecology Graduate Course Lecture, <i>The “New” Conservation Science</i> , Annually in January.
2016	Catskill Environmental Research & Monitoring Conference, Highmount, NY, Keynote Speaker, 27-28 October
2016	University at Albany, SUNY, Albany, NY, Commencement Speaker, Department of Atmospheric and Environmental Science, 14 May
2016	Florida International University, the <i>Our Common Future</i> lecture series, Donald Blechman memorial lecture, 26 April
2016	Columbia University, School of International and Public Affairs, New York, NY, Invited Lecture, 28 March
2016	Cary Institute of Ecosystem Studies, Millbrook, NY, Public Lecture, <i>Roaring Back, The Fragile Global Recovery of Large Carnivores</i> , 19 February
2016	Cary Institute of Ecosystem Studies, Fundamentals of Ecosystem Ecology Graduate Course Lecture, <i>The “New” Conservation Science</i> , 8 January
2015	Cary Institute of Ecosystem Studies, Fundamentals of Ecosystem Ecology, Graduate Course. Lecture, <i>New Conservation NGO Response</i>
2015	Bard College, Environmental Science Colloquium, Invited speaker
2015	Columbia University, Instruction/Lecturer, 9 March
2015	Hotchkiss School, Summer Portals Environmental Science Program, Invited Lecture, 29 June
2014	University of Georgia, Athens. Invited speaker, Center for Integrative Conservation Research and the Owens Institute for Behavioral Research.
2013	Zoological Society of London. Plenary Speaker, Symposium Carnivore Energetics and Macroecology. Paper on status of the world’s large carnivores.
2011	Bloomberg LLP, Earth Day celebration. Invited speaker on deforestation.
2010	NRDC Visionary Speaker Series. <i>Time, Space and the Scale of Conservation</i> .
2010	Fordham University, Conservation Conversations 2. Invited speaker. Paper title: <i>How long is perpetuity?</i>
2010	Dumbarton Oaks, Garden and Landscape Studies. Designing Wildlife Habitats: A Symposium. Paper title: <i>The Impact of Ecology and Spatial Scale on Designing Wildlife Habitats</i> .
2008	Princeton Environmental Institute Grand Challenges Program, Panelist and Invited speaker, panel on rural poverty, land use, biodiversity and water in Africa.
2007	Pace University, Department of Biology and Health Science. Invited speaker.
2006	Conference on Management of Conflicts between Wildlife and Human Resource Use. Plenary speaker. Leipzig 25-27th January 2006.

Languages French (adequate), Kenyan Swahili (basic), Thai (very rusty)

Grants

2017-present	Cary Institute – Lang Assael Family Science Innovation Fund: Overall responsibility for management and awards of these funds which provide seed money for innovative and high-risk, high-reward research programs, allowing teams of young scientists to develop programs that enable them to secure larger, long-term extramural funding.
2000-2014	<u>Global Conservation Program, WCS</u> : Overall responsibility for management of Global budgets. In 2013, Global Programs closed books at \$83 million dollars with grants from government and multilateral agencies, foundations, corporations, and private individuals.
1996-2003	<u>Asia Program, WCS</u> : Overall responsibility for management of programs with grants from government and multilateral agencies, foundations, corporations and private individuals. Budget grew from \$1.5 million to \$7 million in this time.
1995	<u>Dances for Elephants</u> : Funds to conduct survey of Grevy's zebra in Northern Kenya, June/July 1995.
1994	<u>The Royal Society</u> : Overseas Travel Grant to attend meetings in Mexico.
1993	<u>EEC Human Capital and Mobility Grant</u> : Grant to JRG and Daniela De Luca for Ph.D. Studentship to study banded mongoose ecology and behavior.
1993	<u>NERC Life & Terrestrial Sciences</u> : Grant to JRG and Dr. R. Woodroffe to study evolution of plural breeding in banded mongoose.
1990-1993	<u>Wildlife Conservation International</u> : Two grants to study wild dogs.
1992	<u>The Royal Society</u> : Overseas Research Fund grant to study genetic and social implications of dispersal in wild dogs.
1989-1993	<u>National Geographic Society</u> : Two grants to study wild dogs.
1989-1990	<u>People's Trust for Endangered Species (UK)</u> : grant to study wild dogs.
1989-1990	<u>American Philosophical Society</u> : funds to study wild dogs.
1989-1990	<u>Chicago Zoological Society</u> : funds for field assistant on wild dog project.
1984-1985	<u>New York Zoological Society</u> : grant to fund zebra study.
1983-1985	<u>National Geographic Society</u> : two grants to fund zebra research.
1981-1982	<u>World Wildlife Fund/ IUCN Project 1816</u> : grant to study sea turtles and conservation of natural resources in Tarutao National Park, Thailand.

Reviewed Publications

- 2024 Ginsberg, J.R. and R. Brunner. Mammals, Biodiversity of. In: Scheiner. S.M. (ed.), Encyclopedia of Biodiversity. Third Edition. Vol. 2, pp. 66-97. Oxford: Elsevier. <http://dx.doi.org/10.1016/B978-0-12-822562-2.00392-3>
- 2024 Pickett, S.T.A., A.M.T. Simone, P. Anderson, A. Sharifi, A. Barau, F-A. Hoover, D.L. Childers, T. McPhearson, T.A. Muñoz-Erickson, C. Pacteau, M. Grove, N. Frantzeskaki, H. Nagendra, and J.R. Ginsberg. The relational shift in urban ecology: From place and structures to multiple modes of coproduction for positive urban futures. *Ambio* 53:845-870. <https://doi.org/10.1007/s13280-024-02001-y>
- 2024 Frantzeskaki, N., D.L. Childers, S.T.A. Pickett, F-A. Hoover, P. Anderson, A. Barau, J.R. Ginsberg, M. Grove, M. Lodder, A.E. Lugo, T. McPhearson, T.A. Muñoz-Erickson, M. Quartier, S. Schepers, A. Sharifi, and K. van de Sijpe. A transformative shift of urban ecology toward a more active and relevant future for the field and for cities. *Ambio* 53:871-889. <https://doi.org/10.1007/s13280-024-01992-y>
- 2023 Porzecanski, A. L., S. Akabas, E. Betley, M. Blair, N. Bynum, J.R. Ginsberg, M.J. Groom, S.K. Macey, S.C. Moore, C.J. Rivera, and P. West. Lessons from a transformative conservation educator and building the future of conservation education. *Lessons in Conservation* Vol. 3, Issue 1, pp. 5-14. <http://ncep.amnh.org/linc>
- 2020 Rossi, N.A., A. Menchaca-Rodriguez, R. Antelo, R. Wilson, K. McLaren, F. Mazzotti, R. Crespo, J. Wasilewski, F. Alda, I. Doadrio, T.R. Barros, E. Hekkala, M. Alonso-Tabet, Y. Alonso-Giménez, M. Lopez, G. Espinosa-Lopez, J. Burgess, J.B. Thorbjarnarson, J.R. Ginsberg, K.A. Vliet, and G. Amato. High levels of population genetic differentiation in the American crocodile (*Crocodylus acutus*). *PLoS ONE* 15(7):e0235288. <https://doi.org/10.1371/journal.pone.0235288>
- 2018 Wynn-Grant, R., J.R. Ginsberg, C. Lackey, E. Sterling, and J. Beckmann. Risky business: Modeling mortality risk near the urban-wildland interface for a large carnivore. *Global Ecology and Conservation* 16:e00443. <https://doi.org/10.1016/j.gecco.2018.e00443>
- 2017 Agarwala, M. and J.R. Ginsberg. Untangling outcomes of de jure and de facto community-based management of natural resources. *Conservation Biology* 31: 1232-1246. <https://doi.org/10.1111/cobi.12954>
- 2017 Ginsberg, J.R. Tracking Today. A review of the book *Where the Animals Go*. *Science* 358, 6360: 177-177. <https://doi.org/10.1126/science.aao5447>
- 2017 Ginsberg, J.R. When protected areas prove insufficient: Cheetah and “protection-reliant” species. *PNAS* 114(3):430-431. Doi/10.1073/pnas.1619817114
- 2016 Yackulic, C.B. and J.R. Ginsberg. The scaling of geographic ranges: Implications for species distribution models. *Landscape Ecology* 31(6):1195-1208. <http://dx.doi.org/10.1007/s10980-015-0333-y>
- 2016 Rossi Lafferriere, N.A., R. Antelo, F. Alda, D. Mårtensson, F. Hailer, S. Castroviejo-Fisher, J. Ayarzagüena, J.R. Ginsberg, J. Castroviejo, I. Doadrio, C. Vilá, and G. Amato. Multiple paternity in a reintroduced population of the Orinoco Crocodile (*Crocodylus intermedius*) at the El Frio Biological Station, Venezuela. *PLOS ONE* 11(3):e0150245. <http://dx.doi.org/10.1371/journal.pone.0150245>

- 2013 Ginsberg, J.R. Mammals, Biodiversity of. Pp. 681-707. In: S.A. Levin (Ed.). Encyclopedia of Biodiversity. Second Edition. Academic Press, San Diego.
- 2013 Ginsberg, J.R. Spatial scale and the design of conservation interventions. Pp. 47-64. In: J. Beardsley (Ed.). Designing Wildlife Habitats. Dumbarton Oaks Research Library and Collection, Harvard University Press, Washington, D.C.
- 2010 Kang, A., Y. Xie, J.R. Tang, E.W. Sanderson, J.R. Ginsberg, and E.D. Zhang. Historic distribution and recent loss of tigers in China. Integrative Zoology 5: 335-341.
- 2010 Sanderson, E.W., J. Forrest, C. Loucks, J. Ginsberg, E. Dinerstein, J. Seidensticker, P. Leimgruber, M. Songer, A. Heydlauff, T. O'Brien, G. Bryja, S. Klenzendorf, and E. Wikramanayake. Setting priorities for tiger conservation: 2005 – 2015. Pp. 143-161. In: R. Tilson and P. Nyhus (Eds.). Tiger Ecology and Conservation, 2nd Edition. Elsevier.
- 2009 Odonkhuu, D., K.A. Olson, G.B. Schaller, J.R. Ginsberg, and T.K. Fuller. Activity, movements, and sociality of newborn Mongolian gazelle calves in the Eastern Steppe. Acta Theriologica 54: 357-362.
- 2007 Woodroffe, R., H. Davies-Mostert, J. Ginsberg, J. Graf, K. Leigh, K. McCreery, G. Mills, A. Poles, G. Rasmussen, R. Robbins, M. Somers, and M. Szykman. Rates and causes of mortality in endangered African wild dogs (*Lycaon pictus*): Lessons for management and monitoring. Oryx 41: 215-223.
- 2007 Dinerstein, E., C. Loucks, E. Wikramanayake, J. Ginsberg, E. Sanderson, J. Seidensticker, J. Forrest, G. Bryja, A. Heydlauff, S. Klenzendorf, P. Leimgruber, J. Mills, T.G. O'Brien, M. Shrestha, R. Simons, and M. Songer. The fate of wild tigers. BioScience 57: 508–514.
- 2007 Cobb, S., J.R. Ginsberg, and J. Thomsen. Conservation in the tropics: Evolving roles for governments, international donors and non-government organizations. Pp. 145-155. In: D. Macdonald and K. Service (Eds.). Key Topics in Conservation Biology. Blackwell Scientific, Oxford, UK.
- 2006 Adeney, J.M., J.R. Ginsberg, G.J. Russell, and M.F. Kinnaird. Effects of enso-related fires on tropical forest bird communities of Southeast Asia. Animal Conservation 9: 202-301.
- 2005 Fener, H., J.R. Ginsberg, E. Sanderson, and M. Gompper. Chronology of range expansion of the coyote, *Canis latrans*, in New York. Canadian Field-Naturalist 119(1): 1-5.
- 2005 Woodroffe, R.B. and J.R. Ginsberg. King of the beasts? Evidence for guild redundancy among large mammalian carnivores. Chapter 9. In: J.C. Ray, J. Berger, K.H. Redford, and R. Steneck. Large Carnivores and Biodiversity: Does Saving One Conserve the Other? Island Press.
- 2004 Robinson, J.G. and J.R. Ginsberg. Parks, pipelines and people an overview of the World Parks Congress 2003. Conservation Biology 18: 607-608.
- 2004 Ginsberg, J.R. Enhancement of survival or abandonment of the Endangered Species Act? An essay on the proposed rule change for import of endangered species to the USA under the ESA. Bioscience 54: 180-181.
- 2002 Ginsberg, J.R. CITES at 30, or 40. Conservation Biology 16: 1184-1191.
- 2002 Dudley, J.P., J.R. Ginsberg, A.J. Plumptre, J.A. Hart, and L.C. Campos. Effects of war and civil strife on wildlife and wildlife habitats. Conservation Biology 16: 319-329.

- 2001 Carbone, C., S. Christie, K. Conforti, T. Coulson, N. Franklin, J.R. Ginsberg, M. Griffiths, J. Holden, M. Kinnaird, R. Laidlaw, A. Lynam, D.W. MacDonald, D. Martyr, C. McDougal, L. Nath, T. O'Brien, J. Seidensticker, J.L.D. Smith, R. Tilson, and W.N.W. Shahrudin. The use of photographic rates to estimate densities of cryptic mammals: Response to Jennelle et al. *Animal Conservation* 5: 121-123.
- 2001 Carbone, C., S. Christie, K. Conforti, T. Coulson, N. Franklin, J.R. Ginsberg, M. Griffiths, J. Holden, K. Kawanishi, M. Kinnaird, R. Laidlaw, A. Lynam, D.W. Macdonald, D. Martyr, C. McDougal, L. Nath, T. O'Brien, J. Seidensticker, D.J.L. Smith, M. Sunquist, R. Tilson, and W.N.W. Shahrudin. The use of photographic rates to estimate densities of tigers and other cryptic mammals. *Animal Conservation* 4: 75-79.
- 2001 Girman, D. J., C. Vilà, E. Geffen, S. Creel, M. G. L. Mills, J. W. McNutt, J. Ginsberg, P. Kat, K. H. Mamiya, and R. K. Wayne. Patterns of population subdivision, gene flow and genetic variability in the African wild dog (*Lycaon pictus*). *Molecular Ecology* 10: 1703-1723.
- 2001 De Luca, D. and J.R. Ginsberg. Dominance, reproduction and survival in banded mongooses: Towards an egalitarian social system? *Animal Behaviour* 61: 17-30.
- 2001 Ginsberg, J.R. Setting priorities for carnivore conservation: What makes carnivores different? Pp. 498-523. In: D. Macdonald, J. Gittleman, and R. Wayne. (Eds.). *Carnivore Conservation*. Cambridge University Press.
- 2001 Ginsberg, J.R. Mammals, Biodiversity of. Pp. 777-810. In: S. A. Levin (Ed.). *Encyclopedia of Biodiversity, Volume 3*. Academic Press, San Diego.
- 2000 Woodroffe, R. and J.R. Ginsberg. Ranging behaviour and vulnerability to extinction in carnivores. Pp. 125-140. In: L.M. Gosling and W.J. Sutherland (Eds.). *Behaviour and Conservation*. Cambridge University Press, Cambridge.
- 1999 Ginsberg, J.R. Global Conservation Priorities. *Conservation Biology* 13: 5.
- 1999 Ray, J.C. and J.R. Ginsberg. Endangered species legislation beyond the borders of the United States. *Conservation Biology* 13: 956-958.
- 1999 Woodroffe, R.B. and J.R. Ginsberg. Conserving the African Wild Dog, *Lycaon pictus*. I. Diagnosing and treating causes of decline. *Oryx* 33: 132-142.
- 1999 Ginsberg, J.R. and R.B. Woodroffe. Conserving the African Wild Dog, *Lycaon pictus*. II: Is there a role for reintroductions? *Oryx* 33: 143-151.
- 1999 Mace, G.M., A. Balmford, and J.R. Ginsberg (Eds.). *Conservation in a Changing World*. Cambridge University Press, Cambridge, UK. 322 pp.
- 1999 Balmford, A., G.M. Mace, and J.R. Ginsberg. The challenges to conservation in a changing world: Putting processes on the map. Pp. 1-28. In: G. M. Mace, A. Balmford, and J. R. Ginsberg (Eds.). *Conservation in a Changing World*. Cambridge University Press, Cambridge, UK.
- 1998 Woodroffe, R., and J.R. Ginsberg. Edge effects and the extinction of populations inside protected areas. *Science* 280: 2126-2128.
- 1997 Woodroffe, R., J.R. Ginsberg, D.W. Macdonald, and the IUCN Canid Specialist Group (Editors & Compilers). *The African Wild Dog: Status Survey and Conservation Action Plan*. IUCN, Switzerland. 166 pp.
- 1996 Ginsberg, J.R. Survivorship in Africa's wild dogs. *Conservation Biology* 10: 313-315.

- 1995 Ginsberg, J.R., K.A. Alexander, S. Creel, P.W. Kat, J.W. McNutt, and M.G.L. Mills. Patterns of mortality in African Wild Dogs (*Lycaon pictus*): Effects of handling. *Conservation Biology* 9: 665-674.
- 1995 Ginsberg, J.R., G.M. Mace, and S. Albon. Local extinction in a small and declining population: Wild dogs in the Serengeti. *Proceeding of the Royal Society (B)(London)* 262: 221-228.
- 1994 Ginsberg, J.R. and E.J. Milner-Gulland. Sex-biased harvesting and population dynamics in ungulates: Implications for conservation and sustainable use. *Conservation Biology* 8: 157-166.
- 1994 Ginsberg, J.R. Captive breeding, reintroduction, and the conservation of canids. Pp. 365-381. In: P.J. Olney, G. Mace, and A.T.C. Feistner (Eds.). *Creative Conservation: Interactive Management of Wild and Captive Animals*. Chapman and Hall, London.
- 1993 Girman, D.J., P.W. Kat, M.G.L. Mills, J. Ginsberg, M. Borner, V. Wilson, K. Larensen, and R.K. Wayne. Molecular genetic and morphological analyses of the African wild dog (*Lycaon pictus*). *J. Heredity* 84: 450-459.
- 1993 Ginsberg, J.R. and D. Clode. Hunting. Pp. 43-56. In: T. Halliday (Ed.). *Animal Behaviour*. Weldon Russell Publishing, Sydney, Australia.
- 1993 Ginsberg, J.R. Can we build an ark? *Trends in Ecology and Evolution* 8: 4-6.
- 1993 Mace, G., N. Collar, J. Cooke, K. Gaston, J. Ginsberg, N. Leader-Williams, M. Maunder, and E.J. Milner-Gulland. The development of new criteria for listing species on the IUCN Red List. *Species* 19: 16-22.
- 1992 Ginsberg, J.R. and T.P. Young. The use of measures of association between individuals or groups in behavioural studies. *Animal Behaviour* 44: 377-379.
- 1992 Fuller, T.K., P.W. Kat, J.B. Bulger, A.H. Maddock, J.R. Ginsberg, R. Burrows, J.W. McNutt, and M.G.L. Mills. Population dynamics of African wild dogs. Pp. 1125-1139. In: D.R. McCullough, and H. Barrett (Eds.). *Wildlife 2001: Populations*. Elsevier Science Publishers, London.
- 1992 Macdonald, D.W., M. Artois, M. Aubert, D.L. Bishop, J.R. Ginsberg, A. King, N. Kock, and B.D. Perry. Cause of wild dog deaths. *Nature* 360: 633-634.
- 1991 Fanshawe, J.H., L.H. Frame, and J.R. Ginsberg. The wild dog -- Africa's vanishing carnivore. *Oryx* 25: 137-146.
- 1991 Ginsberg, J.R. The consumptive use of wildlife: Harvesting, sociobiology, and implications for population dynamics. Pp. 74-75. In: J.G. Grootenhuys, S.G. Njuguna, and P.W. Kat (Eds.). *Wildlife Research for Sustainable Development*, Kenya Agricultural Research Institute. Kenya Wildlife Service, and National Museums of Kenya, Nairobi, Kenya.
- 1990 Ginsberg, J.R. and D.I. Rubenstein. Sperm competition and zebra mating systems. *Behavioural Ecology and Sociobiology* 26: 427-434.
- 1990 Ginsberg, J.R. and D.W. Macdonald. *Foxes, Wolves, Jackals and Dogs: An Action Plan for the Conservation of Canids*. IUCN, Gland, Switzerland. 90 pp.
- 1990 Becker, C.D. and J.R. Ginsberg. Mother-infant behaviour of wild Grevy's zebra: Adaptations for survival in semi-desert East Africa. *Animal Behaviour* 40: 1111-1118.

- 1990 Chaudury, M. and J.R. Ginsberg . Urinary testosterone concentrations and social status in two species of free ranging zebra. *Journal of Reproduction and Fertility* 88: 127-133.
- 1989 Ginsberg, J.R. The ecology of female behaviour and male reproductive success in the Grevy's zebra, *Equus grevyi*. *Zoological Society (London) Symposia* 61: 89-110.
- 1989 Ginsberg, J.R. and U.W. Huck. Sperm competition in mammals. *Trends in Ecology and Evolution* 4: 74-79.
- 1987 Ginsberg, J.R. What is conservation biology. *Trends in Ecology and Evolution* 2: 262-264.
- 1982 Ginsberg, J.R. Status of sea turtles in Tarutao National Park. *Tigerpaper* 8: 27-9.

Selected Popular Publications and Reports

- 2014 Wilkie, D. and J. Ginsberg. 2014. Why adoption of the medical model would cure conservation impact evaluation. *Conservation Magazine*. February 2014.
- 2006 Dinerstein, E., C. Loucks, A. Heydlauff, E. Wikramanayake, G. Bryja, J. Forrest, J. Ginsberg, S. Klenzendorf, P. Leimgruber, T. O'Brien, E. Sanderson, J. Seidensticker, and M. Songer. Setting Priorities for the Conservation and Recovery of Wild Tigers: 2005–2015. A User's Guide. WWF, WCS, Smithsonian, and NFWF-STF, Washington, DC, and New York, USA [[http://www.savethetigerfund.org/AM/Template.cfm?Section= Full_Reports](http://www.savethetigerfund.org/AM/Template.cfm?Section=Full_Reports)]
- 2006 Sanderson, E., J. Forrest, C. Loucks, J. Ginsberg, E. Dinerstein, J. Seidensticker, P. Leimgruber, M. Songer, A. Heydlauff, T. O'Brien, G. Bryja, S. Klenzendorf, and E. Wikramanayake. Setting Priorities for the Conservation and Recovery of Wild Tigers: 2005–2015. The Technical Assessment. New York, NY and Washington, DC, USA: WCS, WWF, Smithsonian, and NFWFSTF.
- 1998 Williams, S. and J.R. Ginsberg. Grave times for Grevy's zebra. *Natural History*. 3/98.
- 1997 Fanshawe, J.H., J.R. Ginsberg, and R. Woodroffe. Literature on *Lycaon pictus*. Pp. 148-158. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). *The African Wild Dog: Status Survey and Conservation Action Plan*. IUCN, Switzerland.
- 1997 Fanshawe, J.H., J.R. Ginsberg, C. Sillero-Zubiri, and R. Woodroffe. The status and distribution of remaining wild dog populations. Pp. 11-57. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). *The African Wild Dog: Status Survey and Conservation Action Plan*. IUCN, Switzerland.
- 1997 Ginsberg, J.R. and R. Woodroffe. Extinction risks faced by remaining wild dog populations. Pp. 75-87. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). *The African Wild Dog: Status Survey and Conservation Action Plan*. IUCN, Switzerland.
- 1997 Woodroffe, R. and J.R. Ginsberg. Past and future causes of wild dogs' population decline. Pp. 58-74. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). *The African Wild Dog: Status Survey and Conservation Action Plan*. IUCN, Switzerland.

- 1997 Woodroffe, R. and J.R. Ginsberg. Measures for the conservation and management of free-ranging wild dog populations. Pp. 88-99. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). The African Wild Dog: Status Survey and Conservation Action Plan. IUCN, Switzerland.
- 1997 Woodroffe, R. and J.R. Ginsberg. The role of captive breeding and reintroduction in wild dog conservation. Pp. 100-111. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). The African Wild Dog: Status Survey and Conservation Action Plan. IUCN, Switzerland.
- 1997 Woodroffe, R. and J.R. Ginsberg. Country-country action plans for wild dog conservation. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). The African Wild Dog: Status Survey and Conservation Action Plan. IUCN, Switzerland.
- 1997 Ginsberg, J.R., K.A. Alexander, S.L. Cleavland, S.R. Creel, N.M. Creel, N. Kock, J.R. Malcolm, J.W. McNutt, M.G.L. Mills, and R.K. Wayne. Some techniques for studying wild dogs. Pp. 139-146. In: R. Woodroffe, J.R. Ginsberg, and D.W. Macdonald (Eds.). The African Wild Dog: Status Survey and Conservation Action Plan. IUCN, Switzerland.
- 1994 Rowen, M. and J. Ginsberg. Grevy's zebra: Equid of a different stripe. African Wildlife Update, Jan.-Feb. 1994, p. 4.
- 1994 Ginsberg, J.R. Conservation biology and status of the African wild dog, *Lycaon pictus*. Endangered Species Update 11: 1-6.
- 1994 Ginsberg, J.R. and M.L. Cole. Wild at heart. Conservation of the African wild dog. New Scientist 1952, 19 November 1994.
- 1993 Ginsberg, J.R. Horses losing biggest race of all. BBC Wildlife 11: 14.
- 1992 Rowen, M. and J.R. Ginsberg. Conservation status of the Grevy's zebra. In: Horses, Zebras and Asses: An Action Plan for the Conservation of Equids. IUCN, Gland.