



CURRICULUM VITAE

Paul C. Sereno

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Education

1979	BS	Northern Illinois University	(Biological Sciences)
1981	MA	Columbia University	(Geological Sciences)
1981	MPh	Columbia University	(Geological Sciences)
1987	PhD	Columbia University	(Geological Sciences)

Academic Positions

1987	Assistant Professor, Organismal Biology & Anatomy, University of Chicago
1990-present	Research Associate, Geology, Field Museum
1993-1998	Associate Professor, Organismal Biology & Anatomy, University of Chicago
1994	Research Associate, Vertebrate Palaeontology, Royal Ontario Museum
1998-present	Professor, Organismal Biology & Anatomy, University of Chicago
2010-present	Affiliate Research Associate, Oklahoma Museum of Natural History
2025-present	Associate Professor, Université Abdou Moumouni of Niamey, Niger

Professional Positions

1997-2012	Co-founder & President, <i>Project Exploration</i> , nonprofit science education organization
2000-2012	Explorer-in-Residence, National Geographic Society
2012-present	Explorer, National Geographic Society
2016-present	Founder & President, NigerHeritage Foundation , a nonprofit organization developing research facilities and museums in Niger
2021-present	Founder & President, <i>Scitopia Foundation</i> , a nonprofit education organization developing the Scitopia Chicago science center in Chicago
2024-present	Fossil Lab founder, lab facility and educational center in Chicago

Academic Committees (University of Chicago)

1987-1990	Curriculum Committee, Pritzker Medical School
1990-present	Center for Latin American Studies
1991-1992	College Council
1991-1993	Division of Biological Sciences Library Committee
1991-present	Committee on Evolutionary Biology
1996-1999	Council on Research
2015-2018	Committee on Campus Planning
2021	Tenure-Track Search Committee, Biological Sciences Division

Academic Honors, Awards

1979-1982	National Science Foundation Graduate Fellowship
1979-1986	Columbia University Faculty Fellowship
1984-1986	Columbia Graduate Faculty Alumni Fellow
1986	Doctoral Training Fellowship, American Museum
1989-1994	Packard Fellowship for Science and Engineering

- 1990 Distinguished Alumnus Award, Department of Biological Sciences, Northern Illinois University
- 1991 Outstanding Young Alumni Award, College of Liberal Arts and Science, Northern Illinois University
- 1992 Teacher of the Year Award, *Chicago Tribune*
- 1993 40 Under 40, *Crain's Chicago Business* magazine
- 1995 Scientist of the Year, *Achievement Rewards for College Scientists Foundation*
- 1996 Chicagoan of the Year, *Chicago* magazine
- 1996 Best of What's New, *Popular Science* magazine
- 1996 Distinguished Visiting Professor, *Universidad Nacional de San Juan (Argentina)*
- 1997 LifeModel, OMNI Society
- 1997 The Century Club, *Newsweek* magazine
- 1997 50 Most Beautiful People, *People* magazine
- 1997 100 Best People in the World, *Esquire* magazine
- 1997 Walker Prize, for extraordinary contributions in the field of paleontology, Museum of Science, Boston Society of Natural History
- 1999 University Medal for Excellence, Columbia University
- 1999 Master-In-Residence, North Shore Country Day School, Winnetka
- 2000-2012 Explorer-in-Residence, National Geographic Society
- 2003 Leonardo da Vinci Award, Order Sons of Italy in America
- 2004 Outstanding Community Leader Award, Association of Fundraising Professionals
- 2005 Faculty Service Award, University of Chicago
- 2009 Distinguished Explorer Award, Roy Chapman Andrews Society
- 2009 Outstanding College Alumni Award in Liberal Arts & Sciences, Northern Illinois University
- 2009 Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (*Project Exploration*)
- 2011 Chicago's 50 Most Beautiful People, *Chicago* magazine
Honoree, Phi Beta Kappa of the Chicago Area
- 2012 National AfterSchool Champions, AfterSchool Alliance
- 2015 Distinguished Investigator Award, University of Chicago
Collegiate Teaching Award, University of Chicago
- 2024` *Who's Who*, cover of Millennium issue
- 2026 Distinguished Leader in Community Service and Advocacy Award, University of Chicago
Global Leaders, cover of ** issue

Professional Service

- 1994-1997 Dinosaur Society, Scientific Advisory Board
- 1995-1997 Society of Vertebrate Paleontology (various committees)
- 1998-2001 *Earth and Sky*, Science Advisor
- 1998-2002 Achievement Rewards for College Scientists, Advisory Board
- 1998-2000 *Muse*, Advisory Board
- 2000-2004 Advisor, Indianapolis Children's Museum
- 1999-2012 *Project Exploration*, President and Co-founder
- 2002-2007 *Geodiversitas*, editor
- 2007-2012 *PLoS ONE*, academic editor
- 2016-present *NigerHeritage* Foundation, Founder & President
- 2019-present *PaleoWorlds*, LLC, Manager
- 2021-present *Scitopia Foundation*, Founder & President
- 2021-present *Expedition Impossible*, LLC, film series partnership

Institutions Founded

- 2024 *Fossil Lab*, 6,000 sq. ft. facility, Washington Park, Chicago
2026 *Scitopia Chicago* science center, Washington Park, Chicago
Planned *Centre du Patrimoine Ancien du Niger*, Université Abdou Moumouni, Niamey
Planned *Musée du Fleuve*, Niamey
Planned *Musée du Désert Vivant*, Agadez

Society Membership

- National Geographic Society
Paleontological Society
Society of Systematic Biologists
Society of Vertebrate Paleontology
Willi Hennig Society

Expeditions Led

- Reconnaissance Expeditions*
- | | |
|------------------------------------|---|
| 1997 Recon Expedition to Brazil | 2001 Expedition to Inner Mongolia |
| 1997 Recon Expedition to Australia | 2003 Expedition to Niger |
| 2005 Recon Expedition to Tibet | 2004 Expedition to Inner Mongolia |
| 2025 Recon Expedition to Amazonia | 2005 Expedition to Niger |
| | 2006 Expedition to Tibet |
| | 2006 Expedition to Niger |
| | 2006 Expedition to Xinjiang |
| | 2011 Expedition to Niger |
| | 2012 Expedition to Niger |
| | 2013 Expedition to Morocco |
| | 2014 Expedition to Alaska's North Slope |
| | 2018 Expedition to Niger |
| | 2019 Expedition to Niger |
| | 2022 Expedition to Niger |
| | 2026 Expedition to Amazonia |
- Major Expeditions*
- | | |
|------------------------------|--|
| 1988 Expedition to Argentina | |
| 1991 Expedition to Argentina | |
| 1993 Expedition to Niger | |
| 1995 Expedition to Morocco | |
| 1996 Expedition to Argentina | |
| 1997 Expedition to Niger | |
| 2000 Expedition to Niger | |
| 2001 Expedition to India | |

Courses Taught (u, undergraduate; g, graduate; m, medical school)

Story on course Dinosaur Science in the *Chronicle of Higher Education*, May 25, 2007

- | | |
|---------------------------------------|---|
| Human Morphology (m) | Topics in Systematics & Biogeography (u, g) |
| Evolution & Paleobiology (u) | Paleobiogeography (u, g) |
| Stones & Bones: Theory & Practice (u) | Vertebrate Paleontology (g) |
| Dinosaur Science (u) | From Fossils to Fermi's Paradox (u) |
| Vertebrate Structure & Function (u) | Reimagining Our Future (u) |
| Micro- & Macroevolution (u) | Communicating Science (u) |
| Reconstructing the Past (u, g) | Reimagining Our Past (u) |

Major Research Grants

- 1983 Sigma Xi Grants-in-Aid of Research
Undergraduate-Graduate Research Grant (American Museum)
Weatherhead Fund Research Grant (American Museum)
National Geographic Society (*Dinosaur phylogeny*)
Walker Johnson Research Grant (American Museum)
National Science Foundation Dissertation Improvement Grant (*Phylogeny and comparative morphology of the dinosaurian Family Psittacosauridae*)
1984 Walker Johnson Research Grant (American Museum)
1985 Walker Johnson Research Grant (American Museum/Columbia University)

- 1987 Louis Block Fund (University of Chicago)
- 1988 National Science Foundation (*Dinosaur Origins*)
- 1989-1994 Packard Fellowship for Science and Engineering,
The David and Lucile Packard Foundation
- 1990 National Geographic Society (*Early diversification of birds*)
- 1990-1992 American Chemical Society (*Vertebrate Biostratigraphy, Argentina*)
- 1992 National Geographic Society (*Dinosaur Origins*)
National Geographic Society (*Dinosaur Origins*)
National Geographic Society (*Africa's Fauna, Flora and Paleogeography*)
Eppley Foundation for Research (*Expedition to Niger*)
The David and Lucile Packard Foundation (*Expedition to Niger*)
Women's Board of the University of Chicago (*Expedition to Niger*)
Ronald McDonald's Children's Charity (*Expedition to Niger*)
- 1993 National Science Foundation (*Paleontology and Geology, Argentina*)
- 1994 The David and Lucile Packard Foundation (*Expedition to Morocco*)
- 1995 Eppley Foundation for Research (*Expedition to Morocco*)
National Geographic Society (*New theropods from Morocco*)
Eppley Foundation for Research (*Expedition to Morocco*)
- 1996 National Geographic Society (*New Theropods from Morocco*)
National Geographic Society (*New Theropods from Morocco*)
Pritzker Foundation (*Fossil Development*)
Women's Board of the University of Chicago (*Expedition to Argentina*)
The David and Lucile Packard Foundation (*Evolution on Drifting Continents*)
- 1997 National Geographic (*Paleontology & Stratigraphy, northern Patagonia*)
- 2000 National Geographic Society (*Preliminary Exploration, Niger*)
National Geographic Society (*Evolution on Drifting Continents: 2000 Expedition to Niger*)
- 2001 National Geographic Society (*Expedition to India*)
National Geographic Society (*Africa's Fossil Heritage Development*)
- 2002 National Geographic Society (*African Crocodilians*)
National Geographic Society (*Cretaceous Dinosaurs*)
- 2003 National Geographic Society (*2003 Expedition to Niger*)
The David and Lucile Packard Foundation (*Evolution on Drifting Continents: Exploration & Research*)
Comer Foundation (Expedition Fellow Program)
- 2004 National Geographic Society (*Expedition to Inner Mongolia*)
National Geographic Society (*Special Fossil Projects*)
- 2005 National Science Foundation (*African Theropods*)
National Geographic Society (*Expedition to Niger*)
- 2006 Women's Board, University of Chicago (*Laboratory Grant*)
National Geographic Society (*Expedition to Tibet*)
National Geographic Society (*Expedition to Niger, Gobero Archaeological Project*)
National Geographic Society (*Archaeological Development Grant*)
Island Foundation (*Expedition to Niger, Gobero Archaeological Project*)
- 2007 Women's Board, University of Chicago (*Laboratory Grant*)
National Geographic Society (*Expeditions to Xinjiang & Niger*)
- 2007-8 Island Foundation (*Gobero Archaeological Project*)
- 2008-10 Whitten-Newman Foundation (*Paleontological Research & Development*)
- 2008-11 Island Foundation (*Paleontological & Archaeological Research*)
- 2008-11 National Science Foundation, co-PI (*Bioarchaeological reconstruction of Early and Middle Holocene human adaptations across the Sahara-Sahel border*)
- 2009 Scorpio Rising Fund (*Paleontological & Archaeological Research*)

- 2010-14 National Geographic Society (*Paleontological Research & Development*)
 Island Foundation (*Paleontological Research & Development*)
- 2011-2015 National Science Foundation, co-PI (*Ontology-Enabled Synthesis of Gene-Phenotype Data*)
- 2011 SC Johnson Foundation (*2011 Expedition to Niger*)
- 2012 Island Foundation (*Paleontological Research & Development*)
 Whitten-Newman Foundation (*Paleontological Research & Development*)
- 2013 AQR Capital Management Foundation (*Paleontological Research & Development*)
 Island Foundation (*Paleontological Research & Development*)
 National Geographic Society (*Paleontological Research & Development*)
- 2014 National Geographic Society (*Spinosaurus Project*)
 Nathan Myhrvold (*Spinosaurus Project*)
- 2015 Fries Foundation (*Gobero Archaeology Research*)
 Vulcan Productions (*Deep Sea Dinosaurs*)
 The Asahi Shinbum (*Dinosaur replicas*)
 University High School, Indianapolis (*Workshop*)
- 2016 University of Chicago (*Chicago Science Works Grant*)
 Neubauer Collegium (*NigerHeritage*)
 Verdeber Family (*Paleontological Research*)
 Parker-Crow Family (*Paleontological Research*)
 Covello Family (*Paleontological Research*)
 Louis Sudler (*Paleontological Research*)
 Carole Travis (*Paleontological Research*)
 Elgin Public Library (*Dinosaur Giants Exhibit*)
- 2017 Robert Vladem (*Research and Exploration 2018-2020*)
 Parker-Crow Foundation (*Paleontological Research*)
- 2018 Neubauer Collegium (*NigerHeritage*)
 Verdeber Family (*Paleontological Research*)
 Parker-Crow Family (*Paleontological Research*)
 University of Chicago (*Chicago Science Works Grant*)
 Phillip Sylvester (Fossil Lab-\$5,000)
 Parker-Crow Family (*Staff support-\$50,000*)
- 2019 University of Chicago (*Chicago Science Works-NigerHeritage Grant*)
 SC Johnson Foundation (*Niger Expedition/Research*)
 Parker-Crow Family (*Staff support*)
 Verizon Foundation-E. Fries
 Sereno Dinosaur Expedition, WY
- 2020 Parker-Crow family (*2022 Expedition to Niger*)
 Broderick Family (*2022 Expedition to Niger*)
- 2021 SC Johnson Foundation (*Niger Expedition/Research*)
- 2022 William Gates (*2022 Expedition to Niger*)
 Parker-Crow family (*Fossil Lab*)
- 2024 Broderick Family (*Fossil Lab*)
 Parker-Crow family (*Fossil Lab*)
 Provost Fund for Research (*Niger Archaeology*)
 Philip Sylvester (*Fossil Lab educational program*)
 Friends of Niger (*Nigerien student support*)
- 2025 Provost Fund for SubSaharan Africa (*Niger Fossil Research*)
- 2026 Provost Fund for South America (*Amazon Expedition*)
 U.S. Ambassadors Fund for Cultural Preservation (*Preserving the Prehistoric Cultures of the Green Sahara*)

Major Fund-Generating Events

- 1998 *Dinner with a Dinosaur I*, 12/8/98, Cultural Center of Chicago (unveiling of the African theropod *Suchomimus*)
- 1999 *DinoRun*, The Chicago Marathon, Oct 24, 1999 (time-3:16:02)
- 1999 *Dinner with a Dinosaur II*, 12/2/99, Navy Pier (unveiling of the African sauropod *Jobaria*)
- 2001 *Dinner with a Dinosaur III*, 11/13/01, Aragon Entertainment Center (unveiling of the African crocodylian *Sarcosuchus*)
- 2004 *Dinner with a Dinosaur IV*, 5/8/04, Garfield Park Conservatory (unveiling of the African dinosaur *Rugops*)
- 2004 BSD Trustee & Visiting Committee, 5/16/04, Garfield Park Conservatory, dinner event
- 2005 *Dinner with a Dinosaur V*, 5/10/05, Cultural Center of Chicago (unveiling of the African dinosaur *Nigersaurus*)
- 2005 Allison & Susan Davis, 3/1/05 (*Tibet: Gondwana Adrift and Ready for Exploration*), home dinner event
- 2006 *Dinner with a Dinosaur VI*, 5/1/06, Cultural Center of Chicago (unveiling of the African dinosaur *Nigersaurus*)
- 2007 *Dinner with a Dinosaur VII*, 5/4/07, Cultural Center of Chicago (unveiling of the African crocodile “BoarCroc”)
- 2008 *Dinner with a Dinosaur VIII*, 2/22/08, Union Station of Chicago (unveiling of *Nigersaurus*, the “Mesozoic cow”)
- 2009 *Dinner with a Dinosaur IX*, 2/28/09, Union Station of Chicago (unveiling of *the celebrated triple human burial at Gobero*)
- 2010 *Dinner with a Dinosaur X*, 3/12/10, Union Station of Chicago (*Nigersaurus* skeleton)
- 2011 *Dinner with a Dinosaur XI*, 2/25/11, Blackhawk, Chicago (*Sinornithomimus* pair of skeletons)
- 2012 *Dinner with a Dinosaur XII*, 3/9/12, VenueOne, Chicago (*Eodromaeus* skeleton, many casts auctioned)
- 2014 “*Skeletons of the Sahara*” film preview house party, 9/5/13, Chicago
- 2018 “Exploration and Discovery in Science and Life” house presentation-dinner, Kieth Crow & Liz Parker residence, 2/3/18, Chicago
“Lab Salon” house presentation-dinner (with Niel Shubin and Zeray Alemseged), Keith Crow & Liz Parker residence, Chicago
- 2022 “*Africa’s Lost World*” Dinner at the Fossil Lab with Chef Arun from *Arun’s That Restaurant*

Dissertation

- 1987 The ornithischian dinosaur *Psittacosaurus* from the Lower Cretaceous of Asia and the relationships of the Ceratopsia. Ph.D. dissertation, Columbia University, New York, 554 pp.

Articles

- 1982 Prothero, D. R., and P. C. **Sereno**. Allometry and paleoecology of Medial Miocene dwarf rhinoceroses from the Texas gulf coastal plain. *Paleobiology* 8:16-30. (1)
- Sereno**, P. C. An Early Eocene sirenian from Patagonia (Mammalia, Sirenia). *American Museum Novitates* 2729:1-10. (2)
- 1984 **Sereno**, P. C. The phylogeny of the Ornithischia: a reappraisal; pp. 219-226 in W. Reif and F. Westphal (eds.), *Third Symposium on Mesozoic Terrestrial Ecosystems, Short Papers*. Attempto Verlag, Tübingen University Press, Tübingen, 259 pp. (3)

- 1986 **Sereno, P. C.** Phylogeny of the bird-hipped dinosaurs. *National Geographic Research* 2:234-256. **(4)**
- 1988 **Sereno, P. C., and Chao, S.** *Psittacosaurus xinjiangensis* (Ornithischia: Ceratopsia), a new psittacosaur from the Lower Cretaceous of northwestern China. *Journal of Vertebrate Paleontology* 8:353-365. **(5)**
- Sereno, P. C., Chao S., Cheng Z., and Rao C.** *Psittacosaurus meileyingensis* (Ornithischia: Ceratopsia), a new psittacosaur from the Lower Cretaceous of northeastern China. *Journal of Vertebrate Paleontology* 8:366-377. **(6)**
- 1989 **Sereno, P. C.** Evolution of bird-hipped dinosaurs (Ornithischia); pp. 48-57 in S. J. Culver (ed.), *The Age of Dinosaurs*, 12th Annual Short Course of The Paleontological Society. University of Tennessee, Knoxville, 210 pp. **(7)**
- Sereno, P. C.** Pachycephalosaurs and ceratopsians (Ornithischia: Marginocephalia); pp. 71-79 in S. J. Culver (ed.), *The Age of Dinosaurs*, 12th Annual Short Course of The Paleontological Society. University of Tennessee, Knoxville, 210 pp. **(8)**
- 1990 **Sereno, P. C., and A. B. Arcucci.** The monophyly of crurotarsal archosaurs and the origin of bird and crocodile ankle joints. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen* 180:21-52. **(9)**
- Sereno, P. C.** Psittacosauridae; pp. 579-592 in D. Weishampel, P. Dodson, and H. Osmólska (eds.), *The Dinosauria*. University of California Press, Berkeley, 733 pp. **(10)**
- Sereno, P. C.** Clades and grades in dinosaur systematics; pp. 9-20 in K. Carpenter and P. Currie (eds.), *Dinosaur Systematics: Perspectives and Approaches*. Cambridge University Press, Cambridge, 318 pp. **(11)**
- Sereno, P. C.** New data on parrot-beaked dinosaurs (*Psittacosaurus*); pp. 203-210 in K. Carpenter and P. Currie (eds.), *Dinosaur Systematics: Perspectives and Approaches*. Cambridge University Press, Cambridge, 318 pp. **(12)**
- 1991 **Sereno, P. C.** *Lesothosaurus*, "fabrosaurids," and the early evolution of Ornithischia. *Journal of Vertebrate Paleontology* 11:168-197. **(13)**
- Sereno, P. C.** Basal archosaurs: phylogenetic relationships and functional implications. *Journal of Vertebrate Paleontology, Supplement* 11:1-53. **(14)**
- 1992 **Sereno, P. C., and Dong Z.** The skull of the basal stegosaur *Huayangosaurus taibaii* and a cladistic diagnosis of Stegosauria. *Journal of Vertebrate Paleontology* 12:318-343. **(15)**
- Sereno, P. C., and R. Wild.** *Procompsognathus*: theropod, "thecodont" or both? *Journal of Vertebrate Paleontology* 12:435-458. **(16)**
- Sereno, P. C., and Rao C.** Early evolution of avian flight and perching: New evidence from the Early Cretaceous of China. *Science* 255:845-848. **(17)**
- Sereno, P. C., and F. E. Novas.** The complete skull and skeleton of an early dinosaur. *Science* 258:1137-1140. **(18)**

- 1993 **Sereno, P. C., C. A. Forster, R. R. Rogers, A. M. Monetta.** Primitive dinosaur skeleton from Argentina and the early evolution of Dinosauria. *Nature* 361:64-66. **(19)**
- Rogers, R. R., C. C. Swisher, III, P. C. **Sereno**, C. A. Forster, and A. M. Monetta. The Ischigualasto tetrapod assemblage (Late Triassic, Argentina) and $^{40}\text{Ar}/^{39}\text{Ar}$ calibration of dinosaur origins. *Science* 260:794-797. **(20)**
- Forster, C. A., P. C. **Sereno**, T. W. Evans, and T. Rowe. A complete skull of *Chasmosaurus mariscalensis* (Dinosauria, Ceratopsidae) from the Aguja Formation (Late Campanian) of west Texas. *Journal of Vertebrate Paleontology* 13:161-170. **(21)**
- Sereno, P. C., and F. E. Novas.** The skull and neck of the basal theropod *Herrerasaurus ischigualastensis*. *Journal of Vertebrate Paleontology* 13:451-476. **(22)**
- Sereno, P. C.** The pectoral girdle and forelimb of the basal theropod *Herrerasaurus ischigualastensis*. *Journal of Vertebrate Paleontology* 13:425-450. **(23)**
- Sereno, P. C., and A. B. Arcucci.** Dinosaurian precursors from the Middle Triassic of Argentina: *Lagerpeton chanarensis*. *Journal of Vertebrate Paleontology* 13:385-399. **(24)**
- 1994 **Sereno, P. C., and A. B. Arcucci.** Dinosaurian precursors from the Middle Triassic of Argentina: *Marasuchus lilloensis*, gen nov. *Journal of Vertebrate Paleontology* 14:53-73. **(25)**
- Sereno, P. C., J. A. Wilson, H. C. E. Larsson, D. B. Dutheil, H.-D. Sues.** Early Cretaceous dinosaurs from the Sahara. *Science* 266:267-271. **(26)**
- 1995 **Sereno, P. C., and M. C. McKenna.** Cretaceous multituberculate skeleton and the early evolution of the mammalian shoulder girdle. *Nature* 377:144-147. **(27)**
- 1996 **Sereno, P. C., D. B. Dutheil, M. Iarochene, H. C. E. Larsson, G. H. Lyon, P. M. Magwene, C. A. Sidor, D. J. Varricchio, J. A. Wilson.** Predatory dinosaurs from the Sahara and Late Cretaceous faunal differentiation. *Science* 272:986-991. **(28)**
- 1997 **Sereno, P. C.** The origin and evolution of dinosaurs. *Annual Review of Earth & Planetary Sciences* 25:435-489. **(29)**
- Forster, C. A. and P. C. **Sereno.** Marginocephalians; pp. 317-329 in J. O. Farlow and M. K. Brett-Surman (eds.), *The Complete Dinosaur*. Indiana University Press, Bloomington, 752 pp. **(30)**
- 1998 Wilson, J. A., and P. C. **Sereno.** Early evolution and the higher-level phylogeny of sauropod dinosaurs. *Journal of Vertebrate Paleontology, Supplement* 18:1-71. **(31)**
- Sereno, P. C.** A rationale for phylogenetic definitions, with application to the higher level taxonomy of Dinosauria. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen* 210:41-83. **(32)**
- Sereno, P. C., A. L. Beck, D. B. Dutheil, B. Gado, H. C. E. Larsson, G. H. Lyon, J. D. Marcot, O. W. M. Rauhut, R. W. Sadlier, C. A. Sidor, D. J. Varricchio, G. P. Wilson, J. A. Wilson.** A long-

- snouted predatory dinosaur from Africa and the evolution of spinosaurids. *Science* 282:1298-1302. (33)
- 1999 **Sereno, P. C.** Definitions in phylogenetic taxonomy: Critique and rationale. *Systematic Biology* 48:329-351. (34)
- Sereno, P. C.** The evolution of dinosaurs. *Science* 284:2137-2147. (35)
- Sereno, P. C.** A rationale for dinosaurian taxonomy. *Journal of Vertebrate Paleontology* 19:788-790. (36)
- Sereno, P. C., A. L. Beck, D. B. Dutheil, H. C. E. Larsson, G. H. Lyon, B. Moussa, R. W. Sadlier, C. A. Sidor, D. J. Varricchio, G. P. Wilson, J. A. Wilson.** Cretaceous sauropods from the Sahara and the uneven rate of skeletal evolution among dinosaurs. *Science* 286:1342-1347. (37)
- Sereno, P. C.** Dinosaurian biogeography: Vicariance, dispersal, and regional extinction; pp. 249-257 in Y. Tomida, T. Rich, and R.-V. Rich (eds.), *Proceedings of the Second Gondwanan Dinosaur Symposium*, National Science Museum Monographs, No. 15, Tokyo. (38)
- 2000 **Sereno, P. C.** *Iberomesornis romerali* (Ornithothoraces, Aves) re-evaluated as an enantiornithine bird. *Neues Jahrbuch für Geologie und Paläontologie Abhandlungen* 215:365-395. (39)
- Larsson, H. C. E., **Sereno, P. C.**, and J. A. Wilson. Forebrain enlargement among nonavian dinosaurs. *Journal of Vertebrate Paleontology* 20:615-618. (40)
- Sereno, P. C.** The fossil record, systematics, and evolution of pachycephalosaurs and ceratopsians of Asia; pp. 480-516 in M. J. Benton, M. A. Shishkin, D. M. Unwin and E. N. Kurochkin, (eds.), *The Age of Dinosaurs in Russia and Mongolia*. Cambridge University Press, Cambridge, 696 pp. (41)
- 2001 **Sereno, P. C.** Alvarezsaurids: birds or ornithomimosaurids?; pp. 69-98 in J. A. Gauthier and L. F. Gall (eds.), *New Perspectives on the Origin of Birds: Proceedings of the International Symposium in Honor of John H. Ostrom*, Yale University Press, 613 pp. (42)
- Sereno, P. C., H. C. E. Larsson, C. A. Sidor, and B. Gado.** The giant crocodyliform *Sarcosuchus* from the Cretaceous of Africa. *Science* 294:1516-1519. (43)
- Rogers, R. R, A. B. Arcucci, F. Abdala, P.C. **Sereno**, C. A. Forster, and C. L. May. Paleoenvironment and taphonomy of the Chañares Formation tetrapod assemblage (Middle Triassic), northwestern Argentina: Spectacular preservation in volcanogenic concretions. *Palaeos* 16:461-481. (44)
- Zhang, X.-H., Xu X., Zhao X.-J., P. C. **Sereno**, Kuang X.-W., and Tan L. A long-necked therizinosauroid dinosaur from the Upper Cretaceous Iren Dabasu Formation of Nei Mongol, People's Republic of China. *Vertebrata Palasiatica* 39:282-290. (45)
- 2002 Xing, X., Zhang, X., **Sereno, P. C.**, Zhao X., Kuang, X., Han, J., and Tan Lin. 2002. A new therizinosauroid (Dinosauria, Theropods) from the Upper Cretaceous Iren Dabasu Formation of Nei Mongol. *Vertebrata Palasiatica* 40:228-240. (46)
- Sereno, P. C., C. Rao, and J. Li.** *Sinornis santensis* (Aves: Enantiornithes) from the Early

- Cretaceous of northeastern China; pp. 184-207 in L. M. Chiappe and L. M. Witmer (eds.), *Mesozoic Birds: Above the Heads of Dinosaurs*. University of California Press, Berkeley, 520 pp. (47)
- 2003 **Sereno, P. C., C. A. Sidor, H. C. E. Larsson, and B. Gado.** A new notosuchian from the Early Cretaceous of Niger. *Journal of Vertebrate Paleontology* 23:477-482. (48)
- Wilson, J. A. , and P. C. **Sereno.** A new abelisaurid (Dinosauria: Theropoda) from the Lameta Formation (Cretaceous, Maastrichtian) of India. *Contributions from the Museum of Paleontology, University of Michigan* 31:1-42. (49)
- Khosla A., V. V. Kapur, P. C. **Sereno**, J. A. Wilson, G. P. Wilson, D. Dutheil, A. Sahni, M. P. Singh, S. Kumar, and R. S. Rana. First dinosaur remains from the Cenomanian-Turonian Nimar Sandstone (Bagh Beds), District Dhar, Madhya Pradesh, India. *Journal of the Palaeontological Society of India* 48:115-127. (50)
- 2004 **Sereno, P. C., J. A. Wilson, and J. L. Conrad.** New dinosaurs link southern landmasses in the Mid-Cretaceous. *Proceedings of the Royal Society of London B*, 271:1325-1330. (51)
- Sereno, P. C.** Birds as Dinosaurs. *Acta Zoologica Sinica* 50:991-1001. (52)
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Martinez, R. N., P. C. **Sereno**, and O. A. Alcober. A new basal theropod from the Ischigualasto Formation of San Juan Province, Argentina. *Congreso Latinoamericano de Paleontologico Vertebrados III*, September 22-25, 2008, Neuquen, Argentina. (43)

- Sereno, P. C., and H. C. E. Larsson.** A sabre-toothed crocodyliform from the Cenomanian (Echklar Formation) of Niger. *Congresso Latinoamericano de Paleontologico Vertebrados III*, September 22-25, 2008, Neuquen, Argentina. (44)
- Sereno, P. C.** A new allosauroid with intrathoracic air sacs from the Anacleto Formation (Santonian) of Mendoza Province, Argentina. *Congresso Latinoamericano de Paleontologico Vertebrados III*, September 22-25, 2008, Neuquen, Argentina. (45)
- Sereno, P. C.** A comparative future for morphology-based cladistics. *Journal of Vertebrate Paleontology, Supplement 28(3):42A.* (46)
- 2009 **E. C. Fitzgerald, P. C. Sereno, T. M. Keillor, C. A. Abraczinskas, and R. A. Masek.** Fossil vertebrate reconstruction for science and the public. *Journal of Vertebrate Paleontology, Supplement 29(1):96A.* (47)
- Sereno, P. C. and S. ElShafie.** The unusual South American pelomedusoid turtle, *Araripemys*, discovered in Africa. *Journal of Vertebrate Paleontology, Supplement 29(1):180A.* (48)
- Watanabe, A., P. C. Sereno.** The forelimb of a basal tyrannosauroid (Dinosauria: Theropoda) from China and its implications for forelimb evolution in Tyrannosauroidea. *Journal of Vertebrate Paleontology, Supplement 29(1):198A.* (49)
- 2010 **Sereno, P. C.** Noosaurid (Theropoda: Abelisauroidea) skeleton from Africa shows derived skeletal proportions and function. *Journal of Vertebrate Paleontology, Supplement 30(2):37A.* (50)
- Dean-Carpentier, M., L. Porro, and P. C. Sereno.** Modelling and reconstruction of the feeding biomechanics of the basal ceratopsian *Psittacosaurus gobiensis* and its implications for ceratopsian evolution. *Journal of Vertebrate Paleontology, Supplement 30(2):8A.* (51)
- Watanabe, A., and P. C. Sereno.** A large short-snouted dromaeosaurid (Theropoda: Maniraptora) from inner Mongolia. *Journal of Vertebrate Paleontology, Supplement 30(2):39-40A.* (52)
- Keillor, T., P. C. Sereno, and R. Masek.** Range of movement in a noosaurid forelimb: in situ data and joint reconstruction. *Journal of Vertebrate Paleontology, Supplement 30(2):19A.* (53)
- Ridgwell, N., and P. C. Sereno.** A basal thyreophoran (dinosauria, ornithischia) from the Tiouraren Formation of Niger. *Journal of Vertebrate Paleontology, Supplement 30(2):23A.* (54)
- 2011 **Sereno, P. C., L. Khalidi, C. M. Stojanowski, and H. Jousse.** Human Succession under Environmental Stress at the Holocene Lake-Margin Site of Gobero, Republic of Niger (7600-2000 calBC), Society of American Archaeologists, March 30 to April 3, 2010, Sacramento, CA. (55)
- Ibrahim, N., and P. C. Sereno.** New data on spinosaurids (Dinosauria: Theropoda) from Africa. *Journal of Vertebrate Paleontology, Supplement 31(2):130A.* (56)
- Fitzgerald, E., and P. C. Sereno.** A tutorial on time-lapse photography for on-line dissemination of paleontological science: fossil preparation, skeletal mounting and flesh model restoration as examples. *Journal of Vertebrate Paleontology, Supplement 31(2):110A.* (57)

- Sereno**, P. C., and J. Ogradnik. Mass distribution and footprint area in elephants: Functional ramifications for large-bodied extant and extinct terrestrial vertebrates. *Journal of Vertebrate Paleontology, Supplement* 31(2):192A. (58)
- Keillor, T., and P. C. **Sereno**. Fleshing out a fossil find. *Journal of Vertebrate Paleontology, Supplement* 31(2):135A. (59)
- 2012 **Sereno**, P. C., N. Ibrahim, P. Mabee, T. Vision, and H. Lapp. Phenoscape: a new anatomical ontology of vertebrates. *Journal of Vertebrate Paleontology, Supplement* 32(2):170-171A. (60)
- 2013 **Sereno**, P. C. Shoulder girdle architecture: a major constraint in the evolution of amniote locomotion. *Journal of Vertebrate Paleontology, Supplement* 33:23A. (61)
- D’Emic, M., and P. C. **Sereno**. Bone histology of saurpod dinosaurs from Niger. *Journal of Vertebrate Paleontology, Supplement* 33:44A. (62)
- Mabee, P., A. Dececchi, N. Ibrahim, P. C. **Sereno**, and J. Balhoff. Aggregation of morphological characters across studies using an ontology-based phenotype approach. *Journal of Vertebrate Paleontology, Supplement* 33:70A. (63)
- 2014 Ibrahim, N., S. Maganuco, P. C. **Sereno**, C. Dal Sasso, T. Keillor, D. Martill, S. Zouhri, M. Fabbri, and M. Auditore. Associated remains of *Spinosaurus aegyptiacus* Stromer 1915, an enormous predatory dinosaur with subaquatic adaptations. *Journal of Vertebrate Paleontology, e-Supplement* 34:151-152A. (64)
- Fitzgerald, E., and P. C. **Sereno**. Excavation and preparation of fossils preserved in loose sand. *Journal of Vertebrate Paleontology, e-Supplement* 34: 130A. (65)
- 2015 **Sereno**, P. C., F. E. Fish, N. Myhrvold. Swimming function in the Cretaceous giant *Spinosaurus aegyptiacus* based on the kinematics of undulatory swimming in the American alligator. *Journal of Vertebrate Paleontology, e-Supplement* 35:212A. (66)
- Keillor, T., Conroy, L., and P. C. **Sereno**. Digital to physical: considerations for fabrication of paleontological replicas from digital files. *Journal of Vertebrate Paleontology, e-Supplement* 35:153A. (67)
- Dufault, D., P. C. **Sereno**, and D. Evans. Derived pachycephalosaurid squamosals (Ornithischia: Marginocephalia) from the upper dinosaur park formation, southern Alberta. *Journal of Vertebrate Paleontology, e-Supplement* 35:119A. (68)
- Larsson, H.C.E., **Sereno**, P. C., and D. Evans. New giant Late Cretaceous crocodyliform with feeding adaptations convergent on spinosaurids. *Journal of Vertebrate Paleontology, e-Supplement* 35:161A. (69)
- Baumgart, S. L., and P. C. **Sereno**. Wing pneumaticity in modern birds compared to a Cretaceous pterosaur. *Journal of Vertebrate Paleontology, e-Supplement* 35:86A. (70)
- 2017 **Sereno**, P. C. The central role of functional modularity in vertebrate evolution. *Journal of Vertebrate Paleontology, e-Supplement* 37:192A. (71)

- Zumach, K., and P. C. **Sereno**. Digital cranial reconstruction: Documenting visualization methodology and decision-making in three-dimensional computed tomographic reconstruction of fossil skulls, as exemplified using the Early Cretaceous basal squamate *Norellius nyctisaurops*. *Journal of Vertebrate Paleontology, e-Supplement* 37:219-220A. (72)
- 2019 **Sereno**, P. C., and D. Pol. An agile unarmored notosuchian from Cenomanian-age rocks in Niger initiate the partitioning of the Gondwanan plexus of *Araripesuchus* species. *Journal of Vertebrate Paleontology, e-Supplement* 39:**A. (73)
- Pol, D., and P. C. **Sereno**. New Jurassic and Cretaceous neosuchians from the Sahara add to Africa's remarkable crocodyliform diversity and its paleogeographic connections with northern landmasses. *Journal of Vertebrate Paleontology, e-Supplement* 39:**A. (74)
- Goloboff, P. A. and P. C. **Sereno**. Comparative Cladistics: Identifying causes for differences in results for alternative morphological datasets. 38th Meeting of the Willi Hennig Society, University of California, Berkeley, May 26-31. 2019. (75)
- 2022 Schmidt, C., **Sereno**, P. C., and Holmes, G. Dental microwear texture analysis at the Gobero site complex (Middle-Late Holocene), Niger. *American Association of Physical Anthropologists*. (76)
- 2023 **Sereno**, P. C. Integration and sequestration in vertebrate evolution. *Society of Integrative and Comparative Biology*, March 30-31, Chicago. (77)
- Saitta, E.T., Latta, H., Vinther, J., Gnoske, T., Kaye, T., Brooker, R., Bull, I. and P.C. **Sereno**. Detection of trace sex hormones in fossils as old as the Jurassic and the thermal stability of estrogen: potential for sex identification in nonavian dinosaurs and other extinct vertebrates. *Journal of Vertebrate Paleontology, e-Supplement* 2023:376. (78)
- Sereno**, P.C., DeVries, R.P., Myhrvold, N.P., Baumgart, S.L., Vidal, D., Keillor, T., L.L. Conroy. *FossilScope*: lifting the veil on the underlying data and manipulations yielding 3-dimensional skeletal and flesh models. *Journal of Vertebrate Paleontology, e-Supplement* 2023:386-7. (79)
- DeVries, R.P., **Sereno**, P.C., Gamonal, A., and N. Fontela Sanchez. Small-bodied armored dinosaur from Niger (Irhazer Series: Tiourarén Formation) documents the basal acquisition of quadrupedal posture and subadult herding behavior among thyreophorans (Dinosauria: Ornithischia). *Journal of Vertebrate Paleontology, e-Supplement* 2023:143-4. (80)
- Baumgart, S.L. and P.C. **Sereno**. Morphology and pneumatics of a pterosaur wing (Pterosauria: Ornithocheiromorpha) from the Elrhaz Formation (Aptian-Albian) of Niger. *Journal of Vertebrate Paleontology, e-Supplement* 2023:83-4. (81)
- Ciudad Real Ballester, M., Vidal, D., and P.C. **Sereno**. Comparative neuroanatomy of "mid Cretaceous" apex predatory dinosaurs of Africa supports niche partition. *Journal of Vertebrate Paleontology, e-Supplement* 2023:120. (82)
- Johnson-Ransom, E.D., Snively, E., **Sereno**, P.C., and C. Ross. Finite element analysis of feeding function in the skull of *Spinosaurus*. *Journal of Vertebrate Paleontology, e-Supplement* 2023:334-5. (83)

Myhrvold, N.P., **Sereno**, P.C., Baumgart, S.L., Vidal, D., Fish, F.E., Henderson, D., and E.T. Saitta. Deep dive on bone compactness and statistical methods for recognizing significance in the inference of lifestyle in spinosaurids and other dinosaurs. *Journal of Vertebrate Paleontology, e-Supplement* 2023:317-8. (84)

Keillor, T., and P.C. **Sereno**. Design and safe journey to a 21st-Century fossil lab. *Journal of Vertebrate Paleontology, e-Supplement* 2023:241-2. (85)

2024 P.C. **Sereno** et al., Scimitar-crested species of *Spinosaurus* discovered in riparian habitat in Niger (Farak Formation, Cenomanian). *Journal of Vertebrate Paleontology, e-Supplement* 2024:492-3. (86)

DeVries, R. and P. C. **Sereno**. Tiny dinosaur from the kayenta formation (early jurassic: pliensbachian) of northern arizona implicates dwarfing and insectivory at the base of the heterodontosaurid radiation. *Journal of Vertebrate Paleontology, e-Supplement* 2024:174-5. (87)

Johnson-Ransom, E., Lopez-Vaca, A., Wyenberg-Henzler, T., Snively, E. and P. C. **Sereno**. Craniocervical morphology and feeding function in Spinosauridae (Dinosauria: Theropoda). *Journal of Vertebrate Paleontology, e-Supplement* 2024:291-2. (88)

Shonk, R., et al. The most posed burial in prehistory: Capturing and reconstructing its story in multiple dimensions. *Journal of Vertebrate Paleontology, e-Supplement* 2024:498. (89)

Crow, G. and P.C. Sereno. Functional specializations of the beak and tooth rows in the end-Cretaceous dinosaur *Thescelosaurus neglectus* (Ornithischia: Thescelosauridae). *Journal of Vertebrate Paleontology, e-Supplement* 2024:158-9. (90)

Saitta, E.T., et al. Exceptional preservation of integumental structures in hadrosaur ‘mummies’ via clay templating. *Journal of Vertebrate Paleontology, e-Supplement* 2024:474-5. (91)

Ciudad Real, M., et al. Comparative neuroanatomy of Jurassic sauropods from Niger: Disparate sensory adaptation. *Journal of Vertebrate Paleontology, e-Supplement* 2024:145-6. (92)

Keillor, T., **Sereno** P.C., Fitzgerald, E. and J. Schwartz. Fossil lab in a neighborhood: New connections, future visions. *Journal of Vertebrate Paleontology, e-Supplement* 2024:302-3. (93)

González Pérez, A., et al. Three-dimensional skeletal reconstruction of *Afrovenator abakensis* (Theropoda: Megalosauroidae) from Niger, West Africa. *Journal of Vertebrate Paleontology, e-Supplement* 2024:227-8. (94)

Vidal, D., et al. High sauropod diversity on Africa in the Late Cretaceous: New fossils from Niger (Farak Formation: Cenomanian). *Journal of Vertebrate Paleontology, e-Supplement* 2024:551-2. (95)

Select Students

PostGraduate

Evan Siatta, Daniel Vidal (Madrid), Stephanie Baumgart, Catherine Forster, María Ciudad Real (Madrid)

Graduate

Hans Larsson, Jeffrey Wilson, Stephanie Baumgart, Jack Conrad, April Neander, Lauren Conroy, Leslie White, Kate Zumach, Monica Wierbicki, Rachel Poli, Evan Johnson-Ransom

Undergraduate

Caleb Wang, Ailis Daly, Stephen Brusatte, Stephanie Baumgart, Grace Broderick, Nicole Ridgwell, Aki Watanabe, Samuel Shatskin, Raina Devries, Layla McDemott, George Crow
High School
George Crow, Grace Broderick, Stephen Brusatte

Fossil Curation, Reconstruction

- 1983 Curatorial Assistant, Department of Vertebrate Paleontology, American Museum of Natural History, directed re-curation of the dinosaur collection
- 1993 Consultant, *DNA to Dinosaur* exhibit at the Field Museum of Natural History, guided the modeling and mounting of the early dinosaur *Herrerasaurus*
- 1994 Designer of the skeletal mount of the African theropod *Afrovenator*
- 1995 Designer of the skull model of the African theropod *Carcharodontosaurus*
- 1996 Consultant, flesh model and brain prototype of the African theropod *Carcharodontosaurus*
Designer of the skeletal mount of the African theropod *Deltadromeus*
- 1998 Designer of the skeletal mount of the African theropod *Suchomimus*
- 1999 Designer of the adult and juvenile skeletal mounts of the African sauropod *Jobaria*
- 2001 Designer of the skeletal mount of the African crocodylian *Sarcosuchus*
- 2003 Designer of the skull mount of the Indian theropod *Rajasaurus*
- 2003 Designer of the skull mount of the African theropod *Rugops*
- 2003 Designer of the skeletal mount of the African pterosaur
- 2005 Co-designer (with T. Keillor) of the skull and flesh head of the African sauropod *Nigersaurus*
- 2007 Designer of the skeletal mount of the African sauropod *Nigersaurus*
- 2008 Co-designer (with T. Keillor) of a two-sided vertical mount of the triple burial “Stone Age Embrace” from the Holocene archaeological site Gobero (Niger)
- 2009 Co-designer (with T. Keillor, E. Fitzgerald) of flesh heads of the Inner Mongolian tyrannosaur *Raptorex* and the dwarf pachycephalosaurid *Mykocephale*
Co-designer (with T. Keillor, E. Fitzgerald) of flesh heads of 5 African crocodyliforms (*BoarCroc*, *DuckCroc*, *DogCroc*, *PancakeCroc*, *RatCroc*)
- 2010 Co-designer (with T. Keillor) of a skeletal mount of the early dinosaur *Eodromaeus* and a plaque skeleton of the first burrowing meat-eater *Fossoraptor*
- 2012 Co-designer (with T. Keillor) of a flesh and dissected-flesh head and neck models of the early ornithischian dinosaur *Heterodontosaurus*
- 2014 Co-designer (with N. Ibrahim, T. Keillor) of a swimming skeletal mount of the theropod dinosaur *Spinosaurus*
- 2016 Co-designer (with T. Keillor) skeletal mount of the early ornithischian dinosaur *Heterodontosaurus*
- 2022 Co-designer (with T. Keillor, D. Vidal) of a skeletal revision of the spinosaurid dinosaurs *Suchomimus* and *Spinosaurus*
- 2024 Co-designer (with Dan Vidal, T. Keillor) of a skull reconstruction of *Spinosaurus mirabilis*

Exhibit Openings, Educational Outreach

- 1998-2012 Co-Founder and President, *Project Exploration*, nonprofit science education outreach organization, Chicago
- 1994 *Adventures of the Dinosaur Hunters* teleconference and teacher's guide
A one-hour PBS live teleconference broadcast to schools across the nation on the subject of the 1993 Expedition to Niger which aired prior to the documentary *Skeletons in the Sand*. Co-wrote a 40-page instructional booklet for the teleconference that was sent free to about 10,000 registered schools prior to the teleconference and documentary
- 1994 *Skeletons in the Sand* teacher's guide
Co-wrote the *New Explorers* teacher's guide for this episode

- 1994-5 *A Walk with an Expedition*, public exhibit and Teacher's Guide, Harold Washington Public Library, Chicago
Designed a multimedia exhibit including a mounted skeletal cast of the African dinosaur *Afrovenator*, fossil bones and footprints, film from the documentary on the expedition (*Skeletons in the Sand*), and graphic material on the science of the expedition and Tuareg culture
- 1996 *The Search for African Dinosaurs*, Hyatt Regency Chicago
Co-designed a multimedia exhibit including a mounted skeletal cast of the African dinosaur *Afrovenator* and graphic material on Tuareg culture and the science of the 1993 Expedition to Niger
- 1996 *Africa's Dinosaur Castaways*, Explorer's Hall, National Geographic Society
Designed a multimedia exhibit including a mounted skeletal cast of the African dinosaur *Deltadromeus*, skull and flesh model of the African dinosaur *Carcharodontosaurus*, and graphic material on the science of the 1995 Expedition to Morocco
- 1998 *Dinosaur Discovery*, Chicago Children's Museum
Co-designed a multimedia exhibit including a mounted skeletal cast of the African dinosaur *Suchomimus* and graphic material on the science of the 1997 Expedition to Niger
- 1999 *Dinosaur Expedition*, Chicago Children's Museum
Co-designed a multimedia exhibit including a desert campsite and active excavation site based on the discovery of the African dinosaur *Suchomimus* and the 1997 Expedition to Niger. Winner of the American Association of Museums' MUSE Award for science on exhibit
- 1999 ReptileFest, Chicago Herpetological Society
Dinosaur display involving casts and real bones of several African dinosaurs.
- 1999 *Dinosaurs of Morocco*, Parc de la Ligue Arabe, Casablanca, Morocco
Designed an exhibit on *Carcharodontosaurus* that is the centerpiece of Morocco's first paleontological/archeological museum, sponsored by the Chicago International Sister Cities Program
- 1999 *Africa's Answer to T. rex*, Carnegie Museum of Natural History
Co-designed an exhibit including skull and life-size flesh head, braincast and bone casts of the African dinosaur *Carcharodontosaurus* and graphic material on the science of the 1995 Expedition to Morocco.
- 1999 *Dinosaur Giants of Africa*, Explorer's Hall, National Geographic Society
Designed an exhibit including adult and juvenile skeletal casts of the African sauropod *Jobaria* and graphic material on the 1997 Expedition to Niger.
- 2000 *Dinosaur Giants*, Crystal Gardens, Navy Pier
Designed a multimedia exhibit including adult and juvenile skeletal casts of the African sauropod *Jobaria*, skeletal cast of the African theropod *Afrovenator*, full-size flesh model of the neck of *Jobaria*, bone casts and real bones of *Jobaria*, and graphic material on the 1997 Expedition to Niger.
- 2001 *SuperCroc*, Explorer's Hall, National Geographic Society
Designed an exhibit including fossils, skeletal casts, and flesh models of the giant African crocodylian *Sarcosuchus* and graphic material on the 2000 Expedition to Niger
- 2002 *The Science of SuperCroc*, Museum of Science and Industry
Designed a multimedia exhibit including fossils, skeletal casts, and flesh models of the giant African crocodylian *Sarcosuchus*, and mechanical skeletal mount of the dinosaur *Suchomimus*
- 2003 *Giants, African Dinosaurs*, Garfield Park Conservatory
Designed a multimedia exhibit including fossils, many mounted skeletal casts, flesh models, and novel conceptual displays within Chicago's largest glass-covered botanical

- conservatory. Premiere of the skeletal cast and flesh model of Africa's first mounted pterosaur
- 2007 *Origins: The Dawn of Dinosaurs*, Stauth Memorial Museum
Designed a multimedia exhibit including fossils, many mounted skeletal casts, flesh models, and novel conceptual displays
- 2007 *Extreme Dinosaur Nigersaurus: Africa's Long Necked Fern-Mower*, National Geographic Society
Designed a multimedia exhibit including fossils, many mounted skeletal casts, and flesh models.
- 2008 *Giacomettisaurus*, multimedia sculpting, *Art in Science* exhibit, Oct-Dec 2008, University of Chicago
- 2010 *Raptorex*, University of Chicago China Center in Beijing, Beijing
Designed a permanent installation including mounted skeleton and panels of the Chinese tyrannosaurid *Raptorex*
- 2013 "Dawn", *Herrerasaurus* skeletal mount and display with touch casts, Comer Children's Hospital, University of Chicago
- 2014 *Spinosaurus: Lost Giant of the Cretaceous*
Exhibit that highlights a swimming mounted skeleton of *Spinosaurus*, real fossils, and the skeletal mounts and flesh models of contemporary dinosaurs and other fossils from the Late Cretaceous of Morocco
- 2016 Sponsor, *PaleoClub*, undergraduate Student Registered Organization for the promotion of paleontological learning and experiences.
- 2017 *Dinosaur Giants*, Gail Borden Public Library, Elgin
Exhibit including skeletal casts of the African sauropods *Jobaria* and *Nigersaurus*, the African theropod *Afrovenator*, the skull of *Carcharodontosaurus*, a full-size flesh model of the neck of *Jobaria*, real bones of *Jobaria*, and graphic material on the expeditions to Niger
- 2019 Niger International Airport, Niamey
International Terminal, permanent exhibition on *NigerHeritage* showcasing *Afrovenator* and *Sarcosuchus* skeleton and skull mounts
Delhi Center of the University of Chicago, Delhi, India
Exhibit on the Indian predatory dinosaur *Rajasaurus*
- 2020 American Embassy, Niamey, Niger
Suchomimus skull exhibit
- 2023 *Dinosaurs of the Sahara*, exhibit with dig site and theatre of 10,000 sq. ft., Great Lakes Science Center, Cleveland
- 2026 *New Spinosaurus*, exhibit of the skull of the new *Spinosaurus mirabilis*, Chicago Children's Museum

Film Documentaries (subject of)

- 1991 *At the Forefront* (Kurtis Productions, Ltd., PBS half-hour documentary)
On the University of Chicago highlighting five faculty members and their research. Includes footage of a class field trip to Big Bend National Park and the discovery of a six-foot long dinosaur skull
- 1992 *Fragments of Time (New Explorers)*, PBS half-hour documentary
On the 1991 Expedition to Argentina, its fossil (*Eoraptor*) and geological discoveries, and the science of reconstructing evolutionary history
- 1993 *The Next Generation, 1% Inspiration* (WNET, PBS one-hour documentary)
One of a three-part series on scientific innovation that highlights five scientists and their research
- 1994 *Skeletons in the Sand (New Explorers)*, PBS one-hour documentary

- On the 1993 Expedition to Niger, its fossil discoveries and the adventure and science of a large scale paleontological expedition
- 1995 *African Graveyard, Part I: Hunting Dinosaurs* and *African Graveyard, Part II: The Discovery* (The Learning Channel, two half-hour documentaries)
On the 1995 Expedition to Morocco, its fossil discoveries and the adventure and science of working in the Sahara. Part II won a *National Educational Media Award*
- 1996 *Flesh on the Bones* (The Learning Channel, half-hour documentary)
On the results of the 1995 Expedition to Morocco and the process of reconstructing skulls, skeletons, and flesh models
- 1998 *Colossal Claw* (National Geographic Explorer, half-hour documentary)
Highlights the discovery and development of the predatory dinosaur *Suchomimus*, following the work from the Sahara Desert to the finished skeletons and flesh model
- 1998 *Dinosaur Fever* (National Geographic Explorer, half-hour documentary)
Highlights the discovery and excavation of a graveyard of huge sauropod dinosaurs in the Sahara during the 1997 Expedition to Niger
- 1999 *Africa's Dinosaur Giants* (National Geographic Explorer, one-hour documentary) Highlights the discovery and excavation of a graveyard of huge sauropod dinosaurs in the Sahara during the 1997 Expedition to Niger and the steps involved in reconstructing their skeletons
- 2001 *SuperCroc* (NBC/NGC 2-hour special) Documents the discovery and development of *Sarcosuchus*, the world's largest fossil crocodile.
- 2006 *Sky Monsters* (NGC 2 hour special) Featuring the pterosaur discovery from Niger, its reconstruction and the attempt to make a life-size flying model
- 2009 *Bizarre Dinos* (NGC 1 hour special) Featuring recent dinosaur discoveries in the lab including *Nigersaurus*, *Raptorex*, and *Mykocephale*
When Crocs Ate Dinosaurs (NGChannel 1 hour special) Featuring a series of new croc discoveries from the Sahara (BoarCroc, PancakeCroc, DuckCroc, DogCroc, RatCroc) and tracking live crocs in Australia
- 2013 *Skeletons of the Sahara* (NGTelevision 1 hour special) On the discovery and development of the archaeological site Gobero in Niger
- 2014 *Bigger than T. rex* (NOVA- NGTelevision 1 hour special) On the re-discovery and reconstruction of the Moroccan predatory giant *Spinosaurus*
- 2025 (in prod.) *Dinosaurs of the Sahara*, IMAX, Giant Screen Films, Chicago.
(in prog.) *Africa's Lost World*, documentary trilogy. Expedition Impossible LLC.

Appeared On

Chicago Tonight
Extension 720, WGN Radio
Good Morning America
McNeil-Lehrer
Talk of the Nation: Science Friday (NPR)
Today Show
Voice of America
WBEZ (NPR)
FOX News
Wait! Wait! Don't Tell Me!
The Infinite Monkey Cage (BBC)
Big Brains Podcast (UC)
TED
M.E.T.A.L.

Select Presentations, Invited Lectures

- 1985 Harvard University, Cambridge (*Hunting Dinosaurs in China and Mongolia*)
University of Vermont, Burlington (*Homology and design: evolution of herbivorous dinosaurs*)
- 1986 Yale University, New Haven (*Dinosaur evolution: Pattern and inference*)
Dinosaur Systematics Symposium, Tyrrell Museum for Palaeontology, Drumheller (*Approaches to ornithischian systematics; New data on parrot-beaked dinosaurs*)
- 1987 Northern Illinois University, DeKalb (*Dinosaurs in Space and Time*)
- 1989 Short Course, Geological Society of America Annual Meeting, Denver (*Phylogenetic methods and evolution of Ornithischia and Pachycephalosaurs, ceratopsians and Mesozoic biogeography*)
- 1990 University of Illinois, DeKalb (*Dinosaurs: A model system for the terrestrial Mesozoic*)
The David and Lucile Packard Foundation, Monterrey (*Ruling reptiles and wandering continents*)
- 1991 Sigma Xi, Chicago (*Ruling reptiles and wandering continents*)
Field Museum of Natural History, Chicago (*The life and death of the dinosaur*) (with D. Raup)
Avian Higher-Level Systematics Symposium, American Ornithologist's Union Annual Meeting, Cleveland (*Early bird evolution: Ancient remains from China and recent data from mtDNA*)
- 1992 University of Michigan, Ann Arbor (*Archosaur ankles and bird wrists: functional transformation and phylogeny reconstruction*)
- 1993 Invited speaker, ALPHA Friends of Antiquity, Northern Illinois University, DeKalb (*Bones and ashes: Paths of the dead*)
Lincoln Park Zoological Gardens, Chicago (*Birds: Dinosaur descendants*)
Cornell University, Department Geological Sciences (*Bones and ashes: Dinosaur origins revisited (Upper Triassic of NW Argentina)*)
Pangaea Conference, Special Lecture, Canadian Society of Petroleum Geologists, Denver (*The dawn of the dinosaur era*)
- 1994 Yale University, New Haven (*Global perspectives on dinosaur evolution*)
Tenth Annual Distinguished Science Lectureship, Lake Forest College, Chicago (*A new look at dinosaur evolution*)
Sigma Xi Lecture, Ford Research Laboratory, Detroit (*Dinosaur science*)
Alexander Graham Bell Association for the Deaf, 10th Annual Benefit, Washington DC (*Journey into the Sahara*)
Fermilab National Laboratory, Batavia (*A Saharan odyssey: Unearthing the secrets of a wandering continent*)
The David and Lucile Packard Foundation, Santa Fe (*Bones, ashes, and island continents: A global look at dinosaur evolution*)
- 1995 Yale University, New Haven (*Lucky breaks, flowers, and sweepstakes routes: An integrative approach to dinosaur evolution*) (*Biogeographic pattern at the end of the dinosaur era: New evidence from the Sahara*)
Super Science Series, The Australian Museum, Sydney (*Dinosaurs and drifting continents: New evidence from the Sahara*)
Explorers Club Annual Dinner, New York (*The Afrovenator discovery*)
University of Michigan, Ann Arbor (*Theropod evolution and the origin of birds: New evidence and analysis*)
- 1996 California Institute of Technology, Pasadena (*Dinosaur descent: Lucky breaks, flowers, and continental castaways*)
Sigma Xi, Rush & University of Illinois Chapters, Chicago (*Predatory dinosaurs: New evidence from the Sahara*)
Members Lecture Series, American Museum of Natural History, New York (*Roots of the family tree*)

- University of Chicago Library Society, University of Chicago (*Tracking dinosaurs on wandering continents*)
- Members Lecture Series ,Museum of Science and Industry, Chicago (*Tracking dinosaurs on wandering continents*)
- 1996 Distinguished Lecturer, Buffalo Society of Natural Science, Buffalo (*Africa's dinosaur castaways: A global look at dinosaur evolution*)
- 1997 Carnegie Museum of Natural History, Pittsburgh (*Dinosaurs on drifting continents and other Mesozoic mysteries*)
- Explorers Club, New York (*Unveiling Africa's dinosaur castaways*)
- Museum of Science, Boston (*A global look at dinosaur evolution*)
- Field Museum of Natural History, Chicago (*Flying dinosaurs? You bet!*)
- University of Glasgow, Glasgow (*Hunting for Dinosaurs in the Sahara*)
- 1998 Cleveland Museum of Natural History, Cleveland (*Dinosaurs: A global perspective*)
- Quest Lectureship, Elmhurst College, Elmhurst (*Sahara connection*)
- The Commercial Club of Chicago, Chicago (*Hunting Dinosaurs in the Sahara*)
- 1999 Ostrom Symposium, Yale University, New Haven (*Coelurosaurian relationships and the origin of birds*)
- Lincoln Park Zoological Gardens, Chicago (*Birds: Dinosaur descendants*)
- The Standard Club of Chicago, Chicago (*Desert discoveries: Walking on the wild side*)
- Max-Planck Institute, University of Tübingen, Tübingen (*Dinosaur evolution*)
- University of Munich, Munich (*Dinosaurs: What can we learn from them about evolution?*)
- Hawley Lecture, Drake University, Des Moines (*Dinosaur giants from the Sahara*)
- 2000 University of Oklahoma, Norman (*Dinosaurs up close and personal: Startling discoveries, remarkable advances*)
- 2001 Chicago Herpetological Society, Chicago (*On cute and monstrous Cretaceous crocodiles*)
- Red Herring NDA 2001, Dana Point
- Plenary speaker, AAAS Meeting, Boston, (*Dinosaurs: Startling discoveries, unsolved riddles*)
- 2002 Houston Museum of Natural Science, Houston (*Africa's lost world of dinosaurs*)
- Santa Barbara Museum of Natural History, Santa Barbara (*Africa's lost world of dinosaurs and giant crocs*)
- Plenary speaker, 23rd International Ornithological Congress, Beijing (*Birds as dinosaur descendants*)
- Tate Lecture Series, Southern Methodist University, Dallas (*Hunting dinosaurs on Africa*)
- 2003 Plenary Speaker, International Biogeography Society, inaugural meeting, Mesquite (*Testing biogeographical methods in deep time*)
- Caixa Foundation, Barcelona (*Giant crocs, dinosaurs, and drifting continents*)
- 2004 Case Memorial Lecture, University of Michigan, Ann Arbor (*Dinosaurs on drifting continents*)
- Pacific Grove Museum, Pacific Grove (*Cretaceous companions: Feathered dinosaurs and dinosaur-like birds*)
- 43rd Annual International Achievement Summit, Chicago
- Gammow Lecture, University of Colorado at Boulder (*Dinosaur & drifting continents*)
- Marker Lecture, Pennsylvania State University, State College (*Dinosaurs on drifting continents, Birds as dinosaurs: The fossils speak*)
- Keynote address, National Association of Biology Teachers, Chicago (*The science of paleontology: Breathing life into bones*)
- 2005 TED2005, Monterrey (*Earth*)
- Stallworth Lecture, Huntingdon College, Montgomery (*Dinosaur on drifting continents*)
- The Dinosaur Symposium, Tokyo (*The origin of dinosaurs*)
- 2006 Arizona State University, Tempe (*A curious combo: Dinosaurs and Early Holocene humans in the Sahara*)
- Minot State University, Minot (*Dinosaurs on drifting continents*)

- Science Museum, Minneapolis (*Dinosaurs on drifting continents*)
Houston Museum of Natural Science, Houston (*Dinosaur science*)
Invited speaker, International Society for Phylogenetic Systematics, Yale University, New Haven (*Unitary taxonomy considered*)
- 2007 Keynote address, *IdeaFest*, University of South Dakota, Vermillion (*Dinosaurs on drifting continents & Birds as dinosaurs: The fossils speak*)
SciFoo, Google Campus, San Jose
Google Campus, San Jose (*PaleoWorld, UnderWater projects*)
University of Cape Town, Cape Town (*Africa's dinosaur castaways*)
University of the Witwatersrand, Johannesburg (*SuperCrocs and ancient Africans: A Saharan odyssey*)
Iziko South African Museum, Cape Town (*Unearthing Africa's dinosaur world*)
National Geographic Society, Washington DC (*Extreme dinosaurs*)
- 2008 Berea College, Berea (Kentucky) (*Lost worlds of the Sahara*)
Anderson Lecture, Dennison College, Granville (*Dinosaurs on drifting continents*)
DaVinci Science Center, Allentown (*Dinosaurs on drifting continents*)
Oriental Institute, University of Chicago (*Living Lakeside in the Sahara: An Early Holocene cemetery site*)
University of California at Berkeley, Invited Speaker, 2nd IEDG meeting (*A comparative future for morphology in phylogeny and ontogeny*)
University of California at Berkeley (*Living lakeside in the Sahara: A Chronicle of Holocene Adaptation*)
- 2009 Beloit College, Beloit (*The SuperCroc Story, Living Indiana Jones*)
Invited speaker, AAAS Annual Meeting, Chicago (*A new dinosaur-eating crocodile*)
Invited speaker, Dinosaurs of Gondwana Symposium, National Museum of Nature and Science, Tokyo (*New early dinosaurs from Argentina shake the roots of the dinosaur family tree*)
Invited speaker, Darwin/Chicago 2009 Conference, University of Chicago, Chicago (*Narration, atomization, and quantification: Phylogenetic reconstruction from Darwin to the present*)
Invited speaker, Gaffney Turtle Symposium, Drumheller, Alberta (*New Turtle from Africa*)
- 2010 Johnson Distinguished Visitor, Carthage College, Kenosha (*Science as Adventure*)
Invited juror, Sloan Prize, 2010 Sundance Film Festival, Park City (Utah)
National Geographic *Live!*, Mesa Arts Center, Mesa (Arizona) (*Hunting Dinosaurs*)
Fermilab Lecture Series, Batavia (*A croc odyssey*)
Invited speaker and panelist, *Science Beyond Borders: Chicago & China*, Opening of the University of Chicago Center in Beijing (with special permanent exhibit on the Chinese tyrannosaur *Raptorex*)
SciFoo, Google Campus, San Jose (*Galloping crocs*)
Horning Lecture Series on "The Historical Sciences", Oregon State University, Corvallis (*Paleontology as art, history*)
Invited speaker, Dinosaur Symposium, Chinese Academy of Sciences, Zucheng, China (*Dinosaurs on drifting continents*)
Spring Convocation, University of Chicago (*Historical contingency and ultimate aims*) (http://convocation.uchicago.edu/speakers/20100618_sereno_video.shtml)
- 2011 Apple Education Leadership Symposium, Chicago (*What is science?*)
Plenary speaker, PaleoFest, Burpee Museum of Natural History, Rockford (*Splendid isolation: Africa's Cretaceous dinosaur world*)
TEDx, Reinventing the Life of the Mind, University of Chicago (*Art in science*)
- 2012 SC Johnson & Co., Racine (evening and afternoon lectures to public school students and their public)

- 2013 Wirszup Lecture, University of Chicago (*Fun in the Sun: Fossil science*)
 Gail Borden Public Library, Elgin (*SuperCroc*)
 AQR Capital Investment meeting, Chicago (*Thinking outside the box*)
 Kellogg Innovation Network Global, Northwestern University (*Innovation & discovery: Heart of the matter*)
 Oklahoma City University (*Hunting dinosaurs*)
 Men's Dinner Club, Oklahoma City (*Dinosaurs on drifting continents*)
 Academy for Global Citizenship, Gleacher Center, Chicago (*Dinosaurs!*)
 Gail Borden Public Library, Elgin (*Inspiration: Our hidden Genius*)
 Chicago Humanities Festival, Chicago (*Animal: Human perspectives on dinosaurs*)
- 2014 Tyler Junior College, Tyler, Texas (*The Origin of Dinosaurs*)
 University of Washington, Seattle (*Unearthing Africa's Crocs, Dinosaurs & Ancient Civilizations*)
 Kauffman Center for the Performing Arts, National Geographic Live, Kansas City (*The Dinosaur Hunter*)
 Holland Performing Arts Center, National Geographic Live, Omaha (*The Dinosaur Hunter*)
 Invited speaker, Symposium on "Holocene North African Climate," Collège de France in Paris on Friday May 16, 2014 (*The Gobero complex: Lakeside subsistence, culture and climate change in the southern Sahara*)
- 2015 Invited speaker, PaleoFest "The Beginning of Dinosaurs and the Modern World", March 13-15, 2015, Burpee Museum of Natural History, Rockford (*Early Dinosaur Phylogeny: The Evidence Cross-examined*)
 Invited speaker, US-China Workshop "Rise of Modern Biodiversity", National Science Foundation, April 4, 2015, Field Museum of Natural History, Chicago (*On characters and constraints in the evolution of vertebrate flight*)
 Keynote address, Dallas Paleontological Society and FOSSIL Project of the National Science Foundation, October 12, 2015, Field Museum of Natural History, Chicago (*Feathered dinosaurs*)
 Invited speaker, ALPHA Friends of Antiquity, Northern Illinois University, DeKalb (*Paleontologist in an Ancient Graveyard: People of the Green Sahara*)
 Invited speaker, Speaker Series, Springfield Public Forum, Springfield MA (*Living Indiana Jones*)
- 2016 Milwaukee Public Museum, Milwaukee WI (*SuperJaws: Bigger than T-rex*)
 Keynote address, Presidential Banquet, American Surgical Association, Chicago (*A Saharan odyssey: Discovering dinosaurs & ancient humans*)
 Sam Noble Museum, Norman (*Cold case file: Dinosaur bombed then stolen*)
 East Central University, Ada (OK) (*So you want to be a scientist?*)
 Keynote address, Invited speaker, Aluminum Extruders Council, Chicago (*Living Indiana Jones*)
 Lightning Talks Chicago, *Nerdette* podcast via WBEZ, Chicago Dept. Cultural Affairs (*Why dinosaurs look the way they do*)
 Friends of the Glenview Library, Glenview (*Spinosaurus, Lost Giant of the Cretaceous*)
 Keynote Speaker, VII Symposium on Palaeontology of Dinosaurs and their Environments, Burgos, Spain (*Swimming capability in the Sail-backed predator Spinosaurus*)
 Speaker, Raw Materials in Archaeology Conference, Faro, Portugal (*Composition and origin of felsite and amazonite prestige items in the central Sahara during the African Humid Period*)
 Organizer, Symposium, Society of Africanist Archaeologists, Session 37 (14 presentations), Toulouse, France, June 26-July 2, 2016 (*Gobero, Niger: Geology, Fauna, Human Biology and Cultural Change during the African Humid Period*)
- 2017 Speaker, 42nd Annual Interdisciplinary Conference, "Serenno Symposium" *The Landscape of*

- Human Cognition*, Breckenridge, Colorado, January 29-February 3, 2017 (*Parallel Paths to bipedalism, tool-making, dense brains, and complex phonic signaling and learning*)
- Keynote Speaker, Animation Festival, Kalamazoo Valley Museum, Kalamazoo (*Our Hidden Genius*)
- Keynote Speaker, Annual Convention for the American Veterinary Medical Association, Indianapolis (*Insights for One Health from centuries and millennia past*)
- Invited speaker, Harper Lecture Series,
- Keynote Speaker, City Colleges of Chicago, Leadership Conference on Transformation (*Discovering Your Inner Self*)
- 2018 Distinguished Biodiversity Talk, University of Kansas, Lawrence (*Dinosaur & Ancient Humans*)
- Liebman Speaker Series, McHenry County College (*Living Indiana Jones*)
- 2019 Invited Speaker, Ela Area Public Library, Lake Zurich IL (*Remaking Libraries in the 21st Century*)
- Keynote Speaker, Great Lakes Science Boot Camp, University of Chicago Mtng. (*Libraries, Museums, Dinosaurs & You: Discovering Purpose in my Science*)
- Keynote Speaker, Association of Medical Illustrators, Annual Mtng., Milwaukee (*Visualizing Fossils for Science and the Public*)
- Invited speaker, Millersville University, PA (*Hunting Dinosaurs in the Sahara*)
- 2020 Fermilab National Laboratory, Arts & Lecture Series (*Hunting Dinosaurs in the Sahara: Discovering Much More*)
- 2022 SC Johnson Lecture Series, Headquarters, Racine
- M.E.T.A.L. guest lecture (live online)
- 2024 Milwaukee Public Museum, Milwaukee (*Africa's Lost World*)
- Cranbrook Institute of Science, Bloomfield Hills (*Hunting Feathered Dinosaurs & Colossal Crocs*)
- Houston Museum of Natural History, Houston (*Dinosaurs and More: Hunting Feathered Dinosaurs and Colossal Crocs*)
- 2025 Keynote Speaker, PaleoFest, Burpee Museum of Natural History, keynote speaker, Feb 28-March 2, 2025, Rockford (*A Saharan Odyssey: Extraordinary Adventure & Discovery*)
- 2026 Invited speaker, Chicago Children's Museum, (*Meet the Astonishing Spinosaurus*)
- Invited speaker, Lunch and Learn, Uline, Kenosha (*Africa's Lost World*)