

Florida Museum of Natural History
Department of Natural History

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LAWRENCE M. PAGE

CURRICULUM VITAE

CURRENT POSITIONS:

Project Director, iDigBio, Coordinating Center for Advancing Digitization of Biodiversity Collections; funded by the U.S. National Science Foundation
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Curator of Fishes, Florida Museum of Natural History
Dickinson Hall, Newell Drive and Museum Road, Gainesville, FL 32611

Lead Principal Investigator, All Freshwater Fish Species Inventories
PBI: All catfish (Siluriformes) and Cypriniformes species Inventories:
Phases I & II of an inventory of the Otophysi; U.S. National Science Foundation



Affiliate Professor
Department of Biology & School of Natural Resources and Environment
University of Florida

Principal Scientist Emeritus, Illinois Natural History Survey
607 E. Peabody Drive, Champaign, IL 61820
Telephone: 217-333-6847 (center office)

EDUCATION:

Ph.D. in Zoology	University of Illinois	1972
M.S. in Zoology	University of Illinois	1968
B.S. in Biology	Illinois State University	1966

The Foundation for The Gator Nation

PROFESSIONAL HONORS/SOCIETY OFFICES:

- 2014 Recipient of **Robert K. Johnson Award** for Outstanding Service to the American Society of Ichthyologists and Herpetologists
- 2012 Elected **President**, Natural Science Collections Alliance
- 2001 Recipient of **Gibbs Award** from the American Society of Ichthyologists and Herpetologists for Outstanding Research in Systematic Ichthyology
- 2001 Elected **President**, American Society of Ichthyologists and Herpetologists
- 1996 Named **Principal Scientist** of the Illinois Natural History Survey; an honor bestowed on only six scientists since INHS was founded in 1858.
- 1991 Elected **Treasurer**, American Society of Ichthyologists and Herpetologists
- 1986-present Elected to **Board of Governors**, American Society of Ichthyologists and Herpetologists

PROFESSIONAL POSITIONS:

- 2011-present Director, iDigBio (iDigBio.org)
- 2002-present Curator of Fishes
Florida Museum of Natural History
- 2001-2002 Program Officer
Division of Environmental Biology, National Science Foundation
- 2001-present Principal Scientist Emeritus
Illinois Natural History Survey
- 1996-2000 Illinois Principal Scientist
Illinois Natural History Survey
- 1994-2003 Professor, Dept. Natural Resources and Environmental Sciences
University of Illinois
- 1989-1996 Director, Center for Biodiversity
Illinois Natural History Survey
- 1986 Interim Director, Illinois Natural History Survey
- 1983-2003 Graduate Faculty Member
University of Illinois
- 1982-1983 Interim Head of Section
Section of Faunistic Surveys, Illinois Natural History Survey
- 1980-2003 Professor, Dept. Ecology, Ethology and Evolution
University of Illinois
- 1980-1996 Professional Scientist, INHS
- 1977-1980 Associate Professional Scientist, INHS
- 1972-1977 Assistant Professional Scientist, INHS

PRIMARY RESEARCH INTERESTS:

Systematics, evolution, and ecology of freshwater fishes; protection of aquatic natural areas. Current research emphasis is on taxonomy and phylogenetic relationships, speciation processes in freshwater organisms, and use of natural history collections data in research and outreach.

PUBLICATIONS:

Books and Book Chapters

Page, L. M. 1983. Handbook of Darters. T.F.H., Inc., Neptune City, N.J. 271 p.

Lindquist, D. G. and L. M. Page. 1984. Environmental Biology of Darters. Developments in Environmental Biology of Fishes 4. 127 p.

Page, L. M. 1985. The crayfishes and shrimps (Decapoda) of Illinois. Illinois Natural History Survey Bulletin 33(4):335-448.

Burr, B. M. and L. M. Page. 1986. Zoogeography of fishes of the Lower Ohio-Upper Mississippi Basin. *In*: C. H. Hocutt and E. O. Wiley. Zoogeography of North American Freshwater Fishes. John Wiley & Sons, Inc.

Page, L. M. and B. M. Burr. 1991. A field guide to freshwater fishes of North America north of Mexico. The Peterson Field Guide Series, Houghton-Mifflin Co., Boston, MA.

Bart, H. L., Jr. and L. M. Page. 1992. The influence of size and phylogeny on life history variation in North American percids. Pp. 553-572 *in* Mayden, R.L. (ed.), Systematics, historical ecology, and North American freshwater fishes. Stanford University Press, Stanford, CA.

Johnston, C. E. and L. M. Page. 1992. The evolution of complex reproductive strategies in North American minnows (Cyprinidae). Pp. 600-621 *in* Mayden, R.L. (ed.), Systematics, historical ecology, and North American freshwater fishes. Stanford University Press, Stanford, CA.

Mayden, R. L., B. M. Burr, L. M. Page, and R. R. Miller. 1992. The native freshwater fishes of North America. Pp. 827-863 *in* Mayden, R.L. (ed.), Systematics, historical ecology, and North American freshwater fishes. Stanford University Press, Stanford, CA.

Page, L.M., M. Pyron, and K.S. Cummings. 1997. Impacts of fragmentation on Midwestern aquatic organisms. Pp. 189-212 *in* M.W. Schwartz (ed.). Conservation in highly fragmented landscapes. Chapman & Hall, New York.

Page, L. M. 2000. Etheostomatinae Pp. 225-253 *in*: J. F. Craig (ed.), Percid fishes: systematics, ecology and exploitation. Blackwell Science, Oxford.

Page, L. M. 2008. Planetary biodiversity inventories as models for the new taxonomy. Pp. 55-62 *in*: Wheeler, Q. (ed.), The New Taxonomy. CRC Press,

Boca Raton, FL. [135]

Burr, B. M. and L. M. Page. 2009. Illinois fish communities: more than a century of change. Pp. 147-162 *in*: Taylor, C. A., J. B. Taft, and C. E. Warwick (eds.), *Canaries in the Catbird Seat: The Past, Present, and Future of Biological Resources in a Changing Environment*. Illinois Natural History Survey Special Publication 30. Champaign. [138]

Page, L. M. and B. M. Burr. 2011. *A field guide to freshwater fishes of North America north of Mexico*. 2nd edition. The Peterson Field Guide Series, Houghton-Mifflin-Harcourt Co., Boston, MA. [143]

Page, L. M., H. Espinosa-Perez, L. T. Findley, C. R. Gilbert, R. N. Lea, N. E. Mandrak, R. L. Mayden and J. S. Nelson. 2013. *Common and scientific names of fishes from the United States, Canada, and Mexico*. 7th edition. American Fisheries Society Special Publication 34, Bethesda, Maryland.

Journal Articles

Schaaf, R. A. and L. M. Page. 1968. Ringneck snake escapes after ingestion by ophiophagous predator. *Bulletin Chicago Herpetological Society* 3(2):13.

Smith, P. W. and L. M. Page. 1969. The food of spotted bass in streams of the Wabash River drainage. *Transactions of The American Fishery Society* 98(4):647-651.

Page, L. M. and P. W. Smith. 1970. The life history of the dusky darter, *Percina sciera*, in the Embarras River, Illinois. *Illinois Natural History Survey Biological Notes* No. 69. 15 p.

Page, L. M. and R. L. Smith. 1970. Recent range adjustments and hybridization of *Notropis lutrensis* and *Notropis spilopterus* in Illinois. *Transactions of the Illinois State Academy of Science* 63(3):264-272.

Page, L. M. and P. W. Smith. 1971. The life history of the slenderhead darter, *Percina phoxocephala*, in the Embarras River, Illinois. *Illinois Natural History Survey Biological Notes* No. 74. 14 p.

Smith, P. W. and L. M. Page. 1972. Repeated mating of a copperhead and timber rattlesnake. *Herpetological Review* 4(6):196.

Page, L. M. and G. S. Whitt. 1973. Lactate dehydrogenase isozymes, malate dehydrogenase isozymes, and tetrazolium oxidase mobilities of darters (Etheostomatini). *Comparative Biochemistry and Physiology* 44(2B):611-623.

Page, L. M. 1973. An analysis of diversity in the darter genus *Percina* (Osteichthyes, Percidae). *Dissertation Abstracts International* 33(10).

- Page, L. M. and G. S. Whitt. 1973. Lactate dehydrogenase isozymes of darters and the inclusiveness of the genus *Percina*. Illinois Natural History Survey Biological Notes No. 82. 7 p.
- Page, L. M. and B. M. Burr. 1974. Distributional records for the crayfishes *Cambarellus puer*, *C. shufeldtii*, *Procambarus gracilis*, *P. viaeviridis*, *Orconectes lancifer*, *O. bisectus*, and *O. rusticus*. Transactions of the Kentucky Academy of Science 34(3-4):51-52.
- Page, L. M. 1974. The subgenera of *Percina* (Percidae: Etheostomatini). Copeia 1974(1):66-86.
- Page, L. M. 1974. The life history of the spottail darter, *Etheostoma squamiceps*, in Big Creek, Illinois, and Ferguson Creek, Kentucky. Illinois Natural History Survey Biological Notes No. 89. 20 p.
- Page, L. M. 1974. Aquatic Malacostraca recorded for Illinois, with notes on their distributions and habitats within the state. Transactions of the Illinois State Academy of Science 67(1):89-104.
- Page, L. M. 1975. The life history of the stripetail darter, *Etheostoma kennicotti*, in Big Creek, Illinois. Illinois Natural History Survey Biological Notes No. 93. 15 p.
- Boyd, J. A., B. M. Burr, L. M. Page, and P. W. Smith. 1975. A study of threatened and/or unique fishes within the boundaries of the Shawnee National Forest of Southern Illinois. In: Those on the brink of doom: a study of rare fishes in the Shawnee National Forest. U.S.D.A. Forest Service. 29 p.
- Page, L. M. 1975. Relations among the species of the subgenus *Catonotus* of *Etheostoma* (Percidae). Copeia 1975(4):782-784.
- Smith, P. W. and L. M. Page. 1975. Notice of invalidation of the lectotype designation of *Catonotus kennicotti* Putnam. Copeia 1975(4):777-778.
- Page, L. M. and P. W. Smith. 1976. Variation and systematics of the stripetail darter, *Etheostoma kennicotti* (Putnam). Copeia 1976(3):532-541.
- Page, L. M. 1976. Natural darter hybrids: *Etheostoma gracile* x *Percina maculata*, *Percina caprodes* x *Percina maculata*, and *Percina phoxocephala* x *Percina maculata*. The Southwestern Naturalist 21(2):161-168.
- Page, L. M. 1976. The modified midventral scales of *Percina* (Osteichthyes, Percidae). Journal of Morphology 148(2):255-264.
- Burr, B. M. and L. M. Page. 1976. Distribution and life history notes on the taillight shiner, *Notropis maculatus*, in Kentucky. Transactions of the Kentucky Academy of Science 36(3-4):71-74.

- Page, L. M., B. M. Burr, and P. W. Smith. 1976. The spottail darter, *Etheostoma squamiceps* (Osteichthyes, Percidae) in Indiana. *The American Midland Naturalist* 95(2):478-479.
- Page, L. M. and B. M. Burr. 1976. The life history of the slabrock darter, *Etheostoma smithi*, in Ferguson Creek, Kentucky. *Illinois Natural History Survey Biological Notes* No. 99. 12 p.
- Page, L. M. and M. E. Braasch. 1976. Systematic studies of darters of the subgenus *Catonotus* (Percidae), with the description of a new species from the lower Cumberland and Tennessee River systems. *Occasional Papers of the Museum of Natural History of the University of Kansas* 60:1-18.
- Page, L. M. and M. E. Braasch. 1977. Systematic studies of darters of the subgenus *Catonotus* (Percidae), with the description of a new species from the Duck River system. *Occasional Papers of the Museum of Natural History of the University of Kansas* 63:1-18.
- Evers, R. A. and L. M. Page. 1977. Some unusual natural areas of Illinois. *Illinois Natural History Survey Biological Notes* No. 100. 47 p.
- Page, L. M. 1977. The lateralis system of darters (Etheostomatini). *Copeia* 1977(3):472-475.
- Boyd, J. A. and L. M. Page. 1978. The life history of the crayfish, *Orconectes kentuckiensis*, in Big Creek, Illinois. *The American Midland Naturalist* 99(2):398-414.
- Burr, B. M. and L. M. Page. 1978. The life history of the cypress darter, *Etheostoma proeliare*, in Max Creek, Illinois. *Illinois Natural History Survey Biological Notes* No. 106. 15 p.
- Page, L. M. and D. W. Schemske. 1978. The effect of interspecific competition on the distribution and size of darters of the subgenus *Catonotus* (Percidae; *Etheostoma*). *Copeia* 1978(3):406-412.
- Page, L. M. 1978. Redescription, distribution, variation, and life history notes on the longhead darter, *Percina macrocephala* (Percidae). *Copeia* 1978(4):655-664.
- Braasch, M. E. and L. M. Page. 1979. Systematic studies of darters of the subgenus *Catonotus* (Percidae), with the description of a new species from Caney Fork. *Occasional Papers of the Museum of Natural History of the University of Kansas* 78:1-10.
- Page, L. M. and R. L. Mayden. 1979. Nesting site of the lollipop darter *Etheostoma neopterum*. *Transactions of the Kentucky Academy of Science* 40(1-2):56-57.

- Page, L. M. and B. M. Burr. 1979. The smallest species of darter (Pisces; Percidae). *The American Midland Naturalist* 101(2):452-453.
- Mayden, R. L. and L. M. Page. 1979. Systematics of *Percina roanoka* and *P. crassa*, with comparisons to *P. peltata* and *P. notogramma* (Percidae). *Copeia* 1979(3): 413-426.
- Burr, B. M. and L. M. Page. 1979. The life history of the least darter, *Etheostoma microperca*, in Iroquois River, Illinois. Illinois Natural History Survey Biological Notes No. 112. 15 p.
- Page, L. M. 1980. Non-game fishes of Illinois. *In*: Proceedings of the Illinois Non-game Wildlife Symposium, V. M. Kleen (ed.). Illinois Department of Conservation Division of Wildlife Research Periodic Report No. 15:72-74.
- Cordes, L. E. and L. M. Page. 1980. Feeding chronology and diet composition of two darters (Percidae) in the Iroquois River system, Illinois. *The American Midland Naturalist* 104(1):202-206.
- Page, L. M. 1980. The life histories of *Etheostoma olivaceum* and *E. striatulum*, two species of darters in central Tennessee. Illinois Natural History Survey Biological Notes No. 113. 14 p.
- Page, L. M. 1980. Species accounts. pp. 615, 638, 660, 674, 676, 694, 696, 698, 707, 726, 740. *In*: D. S. Lee, et al. Atlas of North American Freshwater Fishes. North Carolina State Museum of Natural History, Raleigh, i-x + 854 p.
- Page, L. M. 1981. Redescription of *Etheostoma australe* and a key for the identification of Mexican species of *Etheostoma* (Percidae). *Occasional Papers of the Museum of Natural History of the University of Kansas* 89:1-10.
- Morris, M. A. and L. M. Page. 1981. Variation in western logperches (Pisces; Percidae), with description of a new subspecies from the Ozarks. *Copeia* 1981(1): 95-108.
- Page, L. M. 1981. The genera and subgenera of darters (Percidae, Etheostomatini). *Occasional Papers of the Museum of Natural History of the University of Kansas* 90:1-69.
- Page, L. M., W. L. Keller, and L. E. Cordes. 1981. *Etheostoma (Boleosoma) longimanum* and *E. (Catonotus) obeyense*, two more darters confirmed as egg-clusterers. *Transactions of the Kentucky Academy of Science* 42(1-2):35-36.
- Page, L. M. and R. L. Mayden. 1981. The life history of the Tennessee snubnose darter, *Etheostoma simoterum*, in Brush Creek, Tennessee. Illinois Natural History Survey Biological Notes No. 117. 11 p.

- Smith, P. W. and L. M. Page. 1981. Endangered and threatened fishes. pp. 5-20. *In*: Endangered and threatened species of Illinois. Natural Land Institute.
- Page, L. M. and B. M. Burr. 1982. Three new species of darters (Percidae; *Etheostoma*) of the subgenus *Nanostoma* from Kentucky and Tennessee. Occasional Papers of the Museum of Natural History of the University of Kansas 101:1-20.
- Page, L. M., M. E. Retzer, and R. A. Stiles. 1983. Spawning behavior in seven species of darters (Pisces: Percidae). *Brimleyana* 8:135-143.
- Page, L. M. and L. E. Cordes. 1983. Variation and systematics of *Etheostoma euzonum*, the Arkansas saddled darter (Pisces: Percidae). *Copeia* 1983:1042-1050.
- Page, L. M. 1983. Identification of the percids, *Boleosoma phlox* Cope and *loa vigil* Hay. *Copeia* 1983:1082-1083.
- Burr, B. M. and L. M. Page. 1984. *Etheostoma baileyi* Page and Burr, Emerald darter; *Etheostoma barrenense* Burr and Page, Splendid darter; *Etheostoma rafinesquei*, Burr and Page, Kentucky snubnose darter. pp. 625.5, 626.5, 685.5. *In*: D. S. Lee, et al. 1983, et seq. Atlas of North American Freshwater Fishes. North Carolina State Museum of Natural History, Raleigh.
- Page, L. M. and D. L. Swofford. 1984. Morphological correlates of ecological specialization in darters. *Environmental Biology of Fishes* 11:139-159, and *Developments in Environmental Biology of Fishes* 4:103-123.
- Page, L. M. and K. S. Cummings. 1984. A portable camera box for photographing small fishes. *Environmental Biology of Fishes* 11:160, and *Developments in Environmental Biology of Fishes* 4:124.
- Page, L. M. 1985. Research applicable to the management of nongame species: examples from the Illinois Natural History Survey. pp. 22-31. *In*: Proceedings of the workshop on management of nongame species and ecological communities. W. C. McComb (ed.). University of Kentucky, Lexington.
- Page, L. M. 1985. A new crayfish of the genus *Orconectes* from the Little Wabash River system of Illinois (Decapoda: Cambaridae). *Biological Society of Washington Proceedings* 98:564-570.
- Page, L. M. 1985. Evolution of reproductive behaviors in percid fishes. pp. 275-295. *In*: 125 years of biological research 1858-1983: A symposium. Illinois Natural History Survey Bulletin 33(3):139:333.
- Burr, B. M. and L. M. Page. 1986. Zoogeography of fishes of the Lower Ohio-Upper Mississippi Basin. *In*: C. H. Hocutt and E. O. Wiley, ed. Zoogeography of North American Freshwater Fishes. John Wiley & Sons, Inc.

- Retzer, M. E., L. M. Page and D. L. Swofford. 1986. Variation and systematics of *Etheostoma whipplei*, the redfin darter (Pisces: Percidae). *Copeia* 1986:631-641.
- Page, L. M. 1987. Nongame fishes. pp. 84-85. *In*: The natural resources of Illinois. R. D. Neely and C. G. Heister (compilers). Illinois Natural History Survey Special Publication No. 6.
- Page, L. M. and E. C. Beckham. 1987. *Notropis rupestris*, a new cyprinid from the Middle Cumberland River System, Tennessee, with comments on variation in *Notropis heterolepis*. *Copeia* 1987:659-668.
- Burr, B. M. and L. M. Page. 1987. Philip Wayne Smith 1921-1986. *Copeia* 1987:839-840.
- Page, L. M. and T. P. Simon. 1988. Observations on the reproductive behavior and eggs of four species of darters, with comments on *Etheostoma tippecanoe* and *E. camurum*. *Transactions of the Illinois State Academy of Science* 81:205-210.
- Page, L. M. and H. Bart. 1989. Egg mimics in darters (Pisces: Percidae). *Copeia* 1989:514-517.
- Page, L.M., and P.A. Ceas. 1989. Egg attachment in *Pimephales* (Pisces: Cyprinidae). *Copeia* 1989:1074-1077.
- Keevin, T. M., L. M. Page, and C. E. Johnston. 1989. The spawning behavior of the Saffron Darter (*Etheostoma flavum*). *Transactions of the Kentucky Academy of Science* 50:55-58.
- Carney, D. A. and L. M. Page. 1990. Meristic characteristics and zoogeography of the genus *Ptychocheilus* (Teleostei: Cyprinidae). *Copeia* 1990:171-181.
- Page, L. M. and C. E. Johnston. 1990. Spawning in the creek chubsucker, *Erimyzon oblongus*, with a review of spawning behavior in suckers (Catostomidae). *Environmental Biology of Fishes* 27:265-272.
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- Page, L. M. and M. R. Jeffords. 1991. Our living heritage: the biological resources of Illinois. *Illinois Natural History Survey Bulletin* 34(4):357-477.

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- Dimmick, W. W. and L. M. Page. 1992. Systematic significance of lactate dehydrogenase variation at the generic level in percids. *Copeia* 1992:535-537.
- Page, L. M., P. A. Ceas, D. L. Swofford, and D. G. Buth. 1992. Evolutionary relationships within the *Etheostoma squamiceps* complex (Percidae; subgenus *Catonotus*) with descriptions of five new species. *Copeia* 1992:615-646.
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PROFESSIONAL ORGANIZATIONS:

American Association for the Advancement of Science
American Institute of Biological Sciences
American Society of Ichthyologists and Herpetologists
President 2003

Treasurer 1992-2000
 Executive Committee 1992-2005
 Board of Governors 1986-present
 Chair, Local Meeting Committee 1992
 Editorial Board 1984-1985, 1987-1988, 1989-1990, 1991-1992
 Robert H. Gibbs Memorial Award Committee 2003-2005 (Chair 2005)
 Web Content & Management Committee 2004
 Robert K. Johnson Award Committee 2004 (Chair, 2004)
 Nominating Committee 2005-2007 (Chair, 2007)
 Names of Fishes Committee 2009-present (Chair, 2011-present).
 Association of Systematics Collections/Natural Science Collections Alliance
 President, 2012-15
 Societal representative for ASIH 1993-present
 Societal representative for FLMNH 2010-present
 Illinois Academy of Science
 Native Fishes Conservancy
 Elected to Board of Governors, 1997-2000
 North American Native Fishes Association
 Elected to Board of Governors, 1992-1996
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GRADUATE STUDENTS AND POSTDOCTORAL SCHOLARS:

Date of graduation/completion	
1988	Henry L. Bart, Jr., Postdoctoral
1989	Jeanine M. Berlocher, M.S.
1989	Mina Tynan, M.S.
1990	Walter W. Dimmick, Postdoctoral
1992	Carol E. Johnston, Ph.D.
1993	Choon-Bok Song, Ph.D.
1994	Michael E. Retzer, Ph.D.
1995	Christopher A. Laird, M.S.
1995	Gabriela B. Mottes, M.S.
1997	Mark Pyron, Postdoctoral
1997	Jonathan W. Armbruster, Ph.D.
1997	Patrick A. Ceas, Ph.D.
1998	Ralph Steinberg, M.S.
1998	Jean C. Porterfield, Ph.D.
1999	Steven Herrington, M.S.
2000	Thomas J. Near, Ph.D.
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2002	Mark H. Sabaj, Ph.D.
2002	Michael Hardman, Ph.D.
2003	Christopher A. Taylor, Ph.D.
2005	Robert H. Robins, M.S.
2006	Jeremy Wright, M.S.
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2015	Daniel Lumbantobing, Postdoctoral
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RESEARCH SUPPORT (LAST 12 YEARS)

2003 PBI: All Catfish Species Inventory (Siluriformes): Phase I of an inventory of the Otophysi; National Science Foundation (\$4,688,504 for 5 years)

2003 Workshop to develop a decadal vision for taxonomy and natural history collections; National Science Foundation (\$109,500)

2007 Workshop to assess the value of the PBI Program to a global understanding of biodiversity; National Science Foundation (\$50,000)

2010 Archival Storage Containers for Large Fishes and Reptiles at the Florida Museum of Natural History; National Science Foundation (\$205,000)

2010 PBI: All Cypriniformes Species Inventory: Phase II of an inventory of the Otophysi; National Science Foundation (\$1,279,740 for 4 years)

2011 Digitization HUB: A Collections Digitization Framework for the 21st Century. National Science Foundation (\$10,000,000 for 5 years)

2012 Supplement for Digitization HUB: A Collections Digitization Framework for the 21st Century. National Science Foundation (\$526,000 for 5 years)

2012 Collaborative Research: Georeferencing Natural History Collections (\$138,663 for 2 years)

2013 Annual Supplement for Digitization HUB: A Collections Digitization Framework for the 21st Century. National Science Foundation (\$526,000)

2014 Annual Supplement for Digitization HUB: A Collections Digitization Framework for the 21st Century. National Science Foundation (\$526,000)

2015 Annual Supplement for Digitization HUB: A Collections Digitization Framework for the 21st Century. National Science Foundation (\$526,000)

