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PRESENT POSITION:

Associate Vice President for Academic Affairs, Western Kentucky University	2011-
<u>Primary Areas of Responsibility:</u> Institutional Strategic Planning and Effectiveness, Learning Outcomes Assessment, Academic Program Review, SACSCOC Quality Enhancement Plan Development, Class Scheduling Analytics, AACSU and AAC&U Liaison, Direct Report of the Office of Institutional Research	

EDUCATION:

Ph.D., Zoology, University of Maine, Orono, ME	1992
M.S., Zoology, University of Maine, Orono, ME	1988
B.S., Marine Science, Southampton College of Long Island University, Southampton, NY	1984

Research Interests: Wildlife Molecular Forensics; Morphometrics and Conservation of Desert Fishes; Genetics and Speciation in African Cichlid Fishes; Statistical Analysis of Population Genetic Data; Multivariate Approaches to Documenting Student Learning; Application of Evolutionary Principles to Curricular Change

h-index: 11 Total Number of Research Citations: 1040

ADMINISTRATIVE PROFESSIONAL EXPERIENCE:

Interim Executive Director, Suzanne Vitale Clinical Education Complex, Western Kentucky University	2012-2013
<u>Primary Areas of Responsibility:</u> Strategic Planning, Fiscal Restructuring and Management, Oversight and Integration of Component Clinical Programs, Community and Donor Relations	
Assistant Vice President for Academic Affairs, Western Kentucky University	2008-2011
<u>Primary Areas of Responsibility:</u> Unit Action Planning and Learning Outcomes Assessment, SACSCOC Quality Enhancement Plan Implementation and Assessment, Academic Program Review, Community and Civic Engagement Initiatives, Institute for Citizenship and Social Responsibility, American Democracy Project, Provost's Initiatives for Excellence and Unit Productivity Award Programs	
Assistant to the Provost, Western Kentucky University	2005-2008
<u>Primary Areas of Responsibility:</u> SACSCOC Quality Enhancement Plan Implementation, Critical Thinking Scholars Faculty Professional Development Program, Regional Stewardship Plan Development, American Democracy Project, Carnegie Elective Classification in Community Engagement	
Director, University Honors Program, Western Kentucky University	1998-2005
<u>Primary Areas of Responsibility:</u> Student Recruitment, Course/Curriculum Development and Quality Assurance, Strategic Planning, Budget Oversight, Honors Faculty Advisory Committee, Honors Development Grants	
Assistant Director, University Honors Program, Western Kentucky University	1997-1998
<u>Primary Areas of Responsibility:</u> Student Recruitment, Honors Thesis Quality Assurance	

ACADEMIC PROFESSIONAL EXPERIENCE:

Professor, Department of Biology, Western Kentucky University	2004-
Adjunct Professor, Department of Veterinary Anatomy and Physiology, University of Nairobi	2004-
Associate Professor, Department of Biology, Western Kentucky University	1999-2004
Assistant Professor, Department of Biology, Western Kentucky University	1993-1999
Postdoctoral Research Associate, Department of Zoology, Arizona State University	1992-1993
Visiting Instructor, Department of Biology, Colby College	1991

STATEWIDE LEADERSHIP AND SERVICE:

Institutional Representative, Council on Postsecondary Education Committee on Academic Quality	2013-
Institutional Representative, Council on Postsecondary Education Strategic Agenda Advisory Group	2010-
Institutional Representative, Council on Postsecondary Education College Level Learning Assessment	2008-
Institutional Representative, Council on Postsecondary Education Program Productivity Review	2008-2012

CURRENT UNIVERSITY LEADERSHIP AND SERVICE:

Academic Affairs Liaison, Suzanne Vitale Clinical Education Complex	2013-
Co-Chair, WKU Institutional Retention Task Force	2011-
Administrative Lead, WKU SACSCOC Quality Enhancement Plan Implementation	2005-
Academic Affairs Liaison, WKU University Senate Academic Quality Committee	2010-
Academic Affairs Liaison, WKU Institutional Strategic Planning and Assessment	2009-
Academic Affairs Liaison, WKU Academic Program Review Committee	2008-

PREVIOUS UNIVERSITY LEADERSHIP AND SERVICE ACTIVITIES (SELECTED):

Chief University Liaison and Academic Advisory Committee Chair, Navitas at WKU	2010-2015
Chief University Liaison, English as a Second Language International	2011-2015
Member, WKU SACSCOC Leadership Team	2010-2015
Academic Affairs Liaison, WKU Institute for Citizenship and Social Responsibility	2009-2012
Chair, WKU Provost's Initiatives for Excellence Review Committee	2008-2013
Academic Affairs Liaison, WKU General Education Review Task Force	2008-2012
Member, WKU College Readiness Working Group	2008-2010
Chair, WKU 120-Hour Degree Program Study Group	2008
Chair, WKU Outcomes Assessment Committee	2008-2009
Chair, WKU Critical Thinking Scholars Initiative	2007-2010
Coordinator, WKU American Democracy Project	2006-2010
Chair, Department of Biology Continuance, Tenure, Promotion and PTR Review Document Committee	2000
Chair, University Honors Committee	1998-2005
Faculty Representative, Harry S. Truman Scholarship Program	2003-2005
Faculty Representative, Barry M. Goldwater Scholarship Program	1997-2005
Member, WKU Community Partnerships Incentive Award Program Review Committee	2008-2010
Member, WKU Regional Stewardship Plan Development Team	2006-2008
Member, Institutional Quality Enhancement Plan Steering Committee	2003-2005
Member, Ogden College Dean's Advisory Council	2002-2004
Member, Department of Biology Scheduling and Load Committee	2001-2008

PROFESSIONAL SERVICE:

Member, Kentucky Engagement Conference Organizing Committee	2008
<i>ex officio</i> Member, WKU Regional Stewardship Advisory Council	2007-
Member, ADP/Carnegie/NYTimes Political Engagement Project Implementation Team	2007-2009

MEMBERSHIPS AND AFFILIATIONS:

Association of American Colleges and Universities
 American Association of State Colleges and Universities
 Foundation for Critical Thinking
 WKU Center for Biodiversity Studies
 WKU Biotechnology Center

MAJOR STRATEGIC AND DEVELOPMENT INITIATIVES (EXTERNAL):

WKU Reaffirmation of Accreditation Compliance Certificate, Focused Report, Response to the Report of the Reaffirmation Committee, and Monitoring Report. Responsible for C.R. 2.5 and 2.12, C.S. 3.3.1.1, 3.3.1.2, 3.3.1.3, 3.3.1.4, 3.3.1.5, 3.3.2, and 3.5.1, and F.R. 4.1. Submission to the Southern Association of Colleges and Schools Commission on Colleges. Reaffirmed.	2012-2015
Evidence & Argument: A Quality Enhancement Plan for Western Kentucky University. D. McElroy, QEP Development Committee Chair. Submission to the Southern Association of Colleges and Schools Commission on Colleges. Approved with one recommendation.	2012-2015
WKU Fifth-Year Interim Report and QEP Impact Report. Submission to the Southern Association of Colleges and Schools Commission on Colleges. S. Gaiko and D. McElroy, SACSCOC Leadership Team Co-Chairs. Submitted for off-site review.	2011
Learn and Serve America President's Higher Education Community Service Honor Roll. Proposal from Western Kentucky University (General Community Service and Special Focus Area). Recognized.	2008
Association of American Colleges and Universities General Education Institute. Application from Western Kentucky University. Accepted.	2008
Learn and Serve America President's Higher Education Community Service Honor Roll. Proposal from Western Kentucky University (General Community Service). Recognized with Distinction.	2007
Guide to Service Learning Colleges and Schools. Application from Western Kentucky University. Accepted.	2007
Carnegie Classification for Community Engagement. Proposal from Western Kentucky University. D. McElroy and D. George, primary authors. Awarded (Curricular Engagement and Outreach and Partnerships).	2006
Kentucky Council on Postsecondary Education Regional Stewardship Program. Infrastructure Plan for Western Kentucky University. D. George, K. Phelps and D. McElroy, primary authors. \$415,000. Approved and funded.	2006
AmeriCorps VISTA Program (via Kentucky Campus Compact). Proposal for two VISTA volunteers to support social responsibility and regional stewardship initiatives at Western Kentucky University. \$22,000 for each of three years. Awarded.	2006
Engaging Students for Success in a Global Society: a Quality Enhancement Plan for Western Kentucky University. D. McElroy, R. Bowker and K. Laves, primary authors. Submission to the Southern Association of Colleges and Schools. Approved with no recommendations.	2005

MAJOR STRATEGIC AND DEVELOPMENT INITIATIVES (INTERNAL):

WKU Community Partnerships Incentive Award Program. Western Kentucky University Mastermind Conference. Samuel J. Hunt and D. McElroy, authors. \$12,178. Funded.	2009
Critical Thinking Scholars Initiative: a Three-Year Professional Development Program for Faculty at Western Kentucky University. \$70,000. Approved and implemented.	2007
[Donor] Institute for Biotechnology and Conservation. Proposal from the Department of Biology. \$13,000,000. Submitted for consideration.	2002
[Donor] Scholar-Teacher Program. Proposal from the University Honors Program. \$6,000,000. Submitted for consideration.	2001
Guidelines for Performance Appraisal, Continuance, Tenure, Promotion and Post-Tenure Review of Faculty. Department of Biology. D. McElroy, L. Alice, K. Crawford, K. Doerner and T.K. Philips, authors. Adopted and implemented.	2000
Center for Biodiversity Studies. Draft Proposal and Implementation Plan. D. McElroy and Z. Murrell, authors. Approved and established.	1997

PUBLICATIONS (ASTERISKS INDICATE STUDENT CO-AUTHORS):

- Kimwele, C.N., B.K. Karisa, M. Stokes, J.O. Junga, O. Hanotte, R.A. Skilton and D. McElroy. 2012. DNA species surveillance: monitoring bushmeat poaching and trading in Kenya using partial cytochrome b gene. *African J. Biotechnology* 11: 14276-14286.
- McElroy, D. and R. Cobb. 2010. Demonstrating growth of a student engagement culture: a multivariate approach to assessing institutional goals at a public university. *Planning and Changing* 41:18-41.
- Marcus, J.M., T.M. Hughes, D. McElroy, and R.E. Wyatt. 2010. Engaging first year undergraduates in hands-on research experiences: the Upper Green River Barcode of Life Project. *Journal of College Science Teaching* 39:39-45.
- Marcus, J.M., D.D. Bell*, A.N. Bryant*, E.C. Burden*, M.E. Carter*, T.J. Cataldo*, K.R. Clark*, H.E. Compton*, L.S. DeJarnette*, V.B. Faulkner*, R.W. Gregory*, J.R. Hall*, L.N. Houchin*, M.E. Hudson*, P.F. Jenkins*, J.M. Jordan*, B.K. Logan*, N.R. Long*, H.F. Maupin*, S.R. McIntyre*, J.K. Mitchell*, J.K. Mobley*, A.N. Nehus*, B.N. Potts*, C.R. Read*, K.N. Slinker*, C.E. Thompson*, T.M. Hughes, D. McElroy, and R.E. Wyatt. 2009. The Upper Green River Barcode of Life Project. *Journal of the Kentucky Academy of Science*. 70: 75-83.
- Doerner, K.C., W. Braden*, J. Cork*, T. Cunningham*, A. Rice*, B.J. Furman and D.M. McElroy. 2005. Population genetics of resurgence: white-tailed deer in Kentucky. *J. Wildlife Mgmt.* 69: 345-355.
- Garner, L.M.*, C. Anderson*, D. McElroy and J. Bilotta. 2003. Differences in spectral sensitivity of ERG b- and d-waves in three African cichlid fish species. *Investigative Ophthalmology and Visual Science* 44: 4169.
- Douglas, M.E., M.R. Douglas, J.M. Lynch and D.M. McElroy. 2001. Use of geometric morphometrics to differentiate *Gila* (Cyprinidae) within the upper Colorado River basin. *Copeia* 2001: 390-401.
- Hoyt, R.D., D. McElroy and D. Stiles. 2001. Spatio-temporal assessment of stream fish communities adjacent to an agricultural best-management practices operation. pp. 101-114 in Chester, E.W. and A.F. Scott (eds.), *Proceedings of the Ninth Symposium on the Natural History of the Lower Tennessee and Cumberland River Valleys*. Center for Field Biology, Austin Peay State University, Clarksville, TN.
- Seyoum, S., M.D. Tringali, T.M. Bert, D. McElroy and R. Stokes. 2000. Analysis of genetic population structure in red drum, *Sciaenops ocellatus*, based on mtDNA control region sequences. *Fishery Bull.* 98: 127-138.
- Bilotta, J., J. Cassiday*, D. McElroy, I. Kornfield and E.C. Davis*. 2000. Spectral sensitivity of the ERG b- and d-waves of an African cichlid species. *Investigative Ophthalmology and Visual Science* 42: S440.
- McElroy, D. 1999. Evolutionary biology: overview. pp. 195-202 in Knight, J. (ed.), *Encyclopedia of Genetics: Basics and Applications*. Salem Press, Pasadena, CA.
- Stuck, J.* and D. McElroy. 1999. Genetic counseling. pp. 239-244 in Knight, J. (ed.), *Encyclopedia of Genetics: Basics and Applications*. Salem Press, Pasadena, CA.
- Davis, C.D., L. Brooks*, C. Calisi*, B.J. Bennett* and D.M. McElroy. 1998. Beneficial effect of selenium supplementation during murine infection with *Trypanosoma cruzi*. *J. Parasit.* 84: 1274-1277.
- McElroy, D.M., J.A. Shoemaker* and M.E. Douglas. 1997. Discriminating *Gila robusta* and *Gila cypha*: risk assessment and the Endangered Species Act. *Ecol. Appl.* 7: 958-967.
- Ore, S.G.*, D.M. McElroy and R.D. Hoyt. 1997. Acute low pH impairs chemoreception and feeding performance in larval fathead minnows (*Pimephales promelas*). *Mar. Fresh. Behav. Physiol.* 30: 1-17.
- McElroy, D.M. and M.E. Douglas. 1995. Patterns of morphological variation among endangered populations of *Gila robusta* and *G. cypha* (Teleostei: Cyprinidae) in the upper Colorado River basin. *Copeia* 1995: 636-649.
- McElroy, D.M. and I. Kornfield. 1993. Novel jaw morphology in hybrids between *Pseudotropheus zebra* and *Labeotropheus fuelleborni* (Teleostei: Cichlidae) from Lake Malawi, Africa. *Copeia* 1993: 933-945.
- Dunnigan, B.*, D.M. McElroy and M.E. Douglas. 1993. Sexual dimorphism and morphological variation in *Cichlasoma minckleyi* from Cuatro Ciénegas basin, Mexico. *Proc. Des. Fish. Council XXV*: 45-46.
- McElroy, D., P. Moran, E. Bermingham and I. Kornfield. 1992. REAP: an integrated environment for the manipulation and phylogenetic analysis of restriction data. *J. Hered.* 83: 157-158.
- McElroy, D.M., I. Kornfield and J. Everett*. 1991. Coloration in African cichlids: diversity and its constraints in Lake Malawi endemics. *Neth. J. Zool.* 41: 250-268.
- McElroy, D., P. Moran, E. Bermingham and I. Kornfield. 1991. REAP: The Restriction Enzyme Analysis Package. Version 4.0. Department of Zoology, University of Maine. 40 pp. + diskette.
- McElroy, D.M. and I. Kornfield. 1990. Sexual selection, reproductive behavior, and speciation in the mbuna species flock of Lake Malawi (Pisces: Cichlidae). *Envir. Biol. Fishes* 28: 273-284.

- Kornfield, I., S.M. Bogdanowicz and D.M. McElroy. 1987. Inheritance of adenosine deaminase in Malawi cichlids. *Isozyme Bull.* 20:10.
- Shiroya, T., D. McElroy and B.M. Sutherland. 1984. An action spectrum for photoreactivating enzyme in sea urchin eggs. *Photochem. Photobiol.* 40: 749-751.

ORAL PRESENTATIONS (ASTERISKS INDICATE PRESENTERS):

- McElroy, D*, J. Steenbergen*, and G. Emslie. 2016. Rarefaction and melt curves: objective approaches to identifying and managing Platinum Analytics watchlist courses. Ad Astra User's Conference, Kansas City, MO.
- Wilson, S.S.*, M.B. Kerby*, and D. McElroy. 2016. Implementing and assessing a Quality Enhancement Plan. IUPUI Assessment Institute, Indianapolis, IN.
- McElroy, D*. 2015. Applying critical thinking to academic strategic planning and leadership. 35th International Conference on Critical Thinking, Berkeley, CA.
- Helbig, T.* and D. McElroy*. 2012. Applying advanced data analytics to retention and student success. AASCU Academic Affairs Summer Meeting, San Francisco, CA.
- Burch, B.*, Dale, M.*, B. Cobb*, and D. McElroy*. 2010. Funding high-impact practices through a performance-based tuition-revenue model. AAC&U Annual Meeting, Washington, DC.
- Markham, P., D. McElroy*, J. Miller, D. George and B. Burch. 2009. Assessing community/public engagement at a public institution. Commission on Colleges Annual Meeting, Southern Association of Colleges and Schools, Atlanta, GA.
- McElroy, D.* and B. Cobb. 2009. Demonstrating statistically significant growth of a student engagement culture at WKU. AASCU American Democracy Project Annual Meeting, Baltimore, MD.
- Burch, B.*, Dale, M.*, B. Cobb, and D. McElroy*. 2009. Institutionalizing civic engagement through a performance-based tuition-revenue model. AASCU American Democracy Project Annual Meeting, Baltimore, MD.
- McElroy, D.*, J. Lewis*, A. Davis, and B. Burch*. 2008. Endemism and inertia vs. innovation: cautionary tales in civic engagement. AASCU American Democracy Project Annual Meeting, Snowbird, UT.
- Bruni, J.*, D. McElroy* and B. Burch*. 2008. Addressing the learning and scholarly dimensions of civic engagement. AASCU American Democracy Project Annual Meeting, Snowbird, UT.
- McElroy, D. and B. Burch*. 2007. Civic engagement and student learning: moving from involvement to impact. AASCU American Democracy Project Annual Meeting, Philadelphia, PA.
- Bruni, J.*, D. George* and D. McElroy*. 2007. The Engagement Research Fund Program. Western Kentucky University Engaging the Spirit Conference, Bowling Green, KY.
- McElroy, D. 2006. Linking NSSE, WKUSES and other acronyms in a multivariate assessment of WKU's QEP student learning outcomes. Kentucky Council on Postsecondary Education Faculty Development Conference, Lexington, KY.
- McElroy, D. 2005. Shaping QEP implementation for your students: a deconstructionist model for building program expectations around engagement. Western Kentucky University Engaging the Spirit Conference, Bowling Green, KY.
- McElroy, D. 2005. Neither Scylla nor Charybdis: exploring a common understanding of QEP goals and expectations. Western Kentucky University Engaging the Spirit Conference, Bowling Green, KY.
- Kimwele, C.N., E. Wambwa, M. Stokes and D. McElroy*. 2005. Molecular forensic identification of East African game species. Society for Integrative and Comparative Biology, San Diego, CA.
- Olsen, C.*, L.M. Garner, J. Bilotta and D. McElroy*. 2004. Spectral sensitivity of ERG b- and d-waves in African cichlid fishes: comparisons with habitat, ecology and phylogeny. Society for Integrative and Comparative Biology, New Orleans, LA.
- McElroy, D.*, L.M. Garner, C. Anderson and J. Bilotta. 2003. Spectral sensitivity of ERG b- and d-waves in African cichlid fishes: early comparisons. Society Kentucky Academy of Sciences, Bowling Green, KY.
- Garner, L.M.*, C. Anderson, D. McElroy and J. Bilotta. 2003. Differences in spectral sensitivity of ERG b- and d-waves in three African cichlid fish species. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.
- Doerner, K.C., W. Braden, J. Cork, T. Cunningham, A. Rice, B.J. Furman and D. McElroy*. 2002. Population genetics of resurgent white-tailed deer (*Odocoileus virginianus*) in Kentucky. Western Kentucky University Center for Biodiversity Studies, Bowling Green, KY.
- Doerner, K.C., W. Braden*, J. Cork, T. Cunningham*, A. Rice*, B.J. Furman and D. McElroy. 2001. Microsatellite DNA allele frequencies and population structure in Kentucky white-tailed deer (*Odocoileus virginianus*). Society for the Study of Evolution, Knoxville, TN.

- Cork, J.* and D. McElroy. 2001. Type I error rates in Monte Carlo randomization tests of population structure from microsatellite data. Society for the Study of Evolution, Knoxville, TN.
- Hoyt, R.D.*, D. McElroy and D. Stiles. 2001. Long-term assessment of stream fish communities adjacent to an agricultural best-management practices operation. Symp. Nat. Hist. Lower Tenn. Cumb. River Valleys, Clarksville, TN.
- McElroy, D.*, P. Reneau and I. Kornfield. 2000. Inheritance and evolution of dorsal fin coloration in Lake Malawi cichlid fishes. Society for the Study of Evolution, Bloomington, IN.
- Bilotta, J.*, J. Cassidy, D. McElroy, I. Kornfield and E.C. Davis. 2000. Spectral sensitivity of the ERG b- and d-waves of an African cichlid species. Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL.
- Chandler, K.A., D.M. McElroy*, R.D. Hoyt and D. Stiles. 1998. Biomass vs. abundance measures of stream fish community structure. American Society of Ichthyologists and Herpetologists, Guelph, ON.
- Hoyt, R.D., D.M. McElroy* and D. Stiles. 1997. Spatial and temporal variation in stream fish communities adjacent to an agrarian enterprise. American Society of Ichthyologists and Herpetologists, Seattle, WA.
- McElroy, D.M.*, J.A. Shoemaker and M.E. Douglas. 1996. Discrimination of *Gila robusta* and *Gila cypha*: a classic 'producer's vs. consumer's risk' gambit. American Society of Ichthyologists and Herpetologists, New Orleans, LA.
- Ore, S.G., R.D. Hoyt* and D.M. McElroy. 1996. Acute low pH impacts chemoreception and feeding performance in larval fathead minnows *Pimephales promelas*. American Society of Ichthyologists and Hepetologists, New Orleans, LA.
- McElroy, D.M.* and I. Kornfield. 1994. Coloration and ecological niche complementarity in African cichlid fish communities. American Society of Ichthyologists and Herpetologists, Los Angeles, CA.
- Lynch, J.M.*, D.M. McElroy, and M.E. Douglas. 1994. 'Every picture tells a story': geometric morphometrics and variation in upper Colorado River chub. American Society of Ichthyologists and Herpetologists, Los Angeles, CA.
- McElroy, D.M.* and M.E. Douglas. 1993. Morphological variation among populations of endangered Colorado basin *Gila robusta* and *G. cypha*: are there forests amid the trees ? Conservation Biology of Western Fishes. Society for Conservation Biology, Tempe, AZ. (Invited Symposium Presentation)
- McElroy, D.M.* and M.E. Douglas. 1993. Morphological variation among populations of endangered Colorado basin *Gila robusta* and *G. cypha*: are there forests amid the trees ? American Society of Ichthyologists and Herpetologists, Austin, TX.
- Dunnigan, B., D.M. McElroy and M.E. Douglas*. 1993. Sexual dimorphism and morphological variation in *Cichlasoma minckleyi* from Cuatro Ciénegas basin, Mexico. Desert Fishes Council, Monterrey, MX.
- McElroy, D.M.* and I. Kornfield. 1991. Genetic control of morphology in cichlid fishes: does a little go a long way ? Labroid Evolution. American Society of Ichthyologists and Herpetologists, New York, NY. (Invited Symposium Preentation)
- McElroy, D.M.*, P. Moran, E. Bermingham and I. Kornfield. 1991. REAP: an integrated environment for the manipulation and phylogenetic analysis of restriction data. American Society of Ichthyologists and Herpetologists, New York, NY.

RESEARCH GRANTS, AWARDS AND PROPOSALS (EXTERNAL):

US EPA P3 Program (National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet). Sustainable Development of Wildlife Resources in a Rural Community in Kenya. M. Stokes and D. McElroy, co-PIs. \$21,650. Funded, but P3 Program cancelled by EPA.	2005
NSF EPSCoR Summer Research Program. Impact of Bushmeat Utilization on Conservation of Tropical African Game. D. McElroy and M. Stokes, co-PIs. \$23,455. Not funded.	2004
NSF EPSCoR Research Start-Up Fund Program. Functional Morphologist – Department of Biology, Western Kentucky University. D. McElroy, proposal author. \$75,000. Funded.	2002
NSF EPSCoR Research Enhancement Grant program. Spectral Sensitivity and Tuning of the ERG b- and d-waves in Lake Malawi Cichlid Fishes: Associations with Coloration, Habitat and Trophic Differences among Species. D. McElroy and J. Bilotta, co-PIs. 40,738. Funded.	2002
NSF EPSCoR Research Enhancement Grant Program. Development of PCR-Based Standards for Identification of Kentucky White-Tailed Deer (<i>Odocoileus virginianus</i>) for Law Enforcement. D. McElroy, K.C. Doerner, B.J. Furman and D. Perkins, co-PIs. \$36,779. Funded.	2000
Kentucky Justice Cabinet Edward Byrne Memorial Fund Program. Developing New Alliances. L. Sudkamp, J. Warnecke, K.C. Doerner and D. McElroy, co-PIs. \$786,362. Not funded.	2003
NSF Research Infrastructure Improvement Grant Program. Science- and Technology-Based Natural Resource Management. M. Stokes, A. Meier, S. Grubbs, D. McElroy and R. Mahmood, co-PIs. \$2,800,000. Not funded.	2003

Legislative Funding Request. Resurgence of Black Bear in Kentucky: Feasibility and Genetic Monitoring of Populations. B.J. Furman, D. McElroy and K.C. Doerner, co-PIs. \$1,500,000. Not funded.	2000
National Geographic Society Grants for Research. Subterranean Biogeography: Population Structure and Environmental Vulnerability of Amblyopsid Cavefishes. D. McElroy, PI. \$26,220. Not funded.	1997

RESEARCH GRANTS, AWARDS AND PROPOSALS (INTERNAL):

WKU Community Partnerships Incentive Award Program. Western Kentucky University Mastermind Conference. Samuel J. Hunt and D. McElroy, co-PIs. \$12,178. Funded.	2009
Western Kentucky University Faculty Scholarship Fund. \$1,000. Funded.	2002
Western Kentucky University Summer Research Fellowships (2). \$5,000 each. Funded.	1995, 1996
Western Kentucky University Academic Excellence Fund. With Z. Murrell. \$5,000. Funded.	1995
Western Kentucky University President's Special Grant Fund (3). \$2,750, \$1,600, \$2,229. Funded.	1995-1997

COURSES AND LABORATORIES TAUGHT:

Biology 475	Biology of Galapagos	2012-
Biology 113	Introduction to Biology (Navitas at WKU)	2010-
Biology 334	Animal Behavior	2004-2008
Biology 430/430G	Evolution: Theory and Process	1994-2008
Biology 524	Evolutionary and Ecological Genetics	1999-2007
Biology 283	Introductory Biostatistics with Laboratory	1995-2007
Biology 483/483G	Multivariate Methods in Biology	1994-2008
Biology 475 (Honors)	Biology in a Social Context: Galapagos and Ecuador (w/ K.C. Doerner)	2007
Biology 475	Wildlife, Cultural and Economic Diversity of Kenya (w/ M. Stokes)	2005
Biology 327	Genetics (1 three-week module: Forensic DNA Analysis and QTL Mapping)	2003
Biology 501	DNA Forensics for Teachers	2002
Biology 522	Systematics and Evolution (w/ M. Stokes and C. Rinehart)	1998
Biology 503	Contemporary Research in Biology	1998
Biology 501	Perspectives in Biology: Development and Evolution (w/ K. Balak)	1997
Biology 675	Seminar: Molecular Markers in Evolution	1995
Biology 398	Senior Undergraduate Seminar	1995
Biology 598	Graduate Seminar	1994
Biology 115	Introduction to Biology (Non-Majors)	1994-1996
Biology 120	Biological Concepts (Majors; includes Honors Sections)	1994-2004
Biology 225	General Zoology Laboratory	1994-1997
Biology 131	Human Anatomy and Physiology with Laboratory (Non-Majors)	1993-1994
Honors Biology 175	University Experience in Biology	2006-2007
Honors Colloquium 200	Philosophical and Physical Taoism	2001-2002
Honors Colloquium 201	Pseudoscience of Intellectual Racism	1998
Honors Colloquium 201	Creation Science and Evolution	1997
Biology 279	Genetics (Colby College)	1991