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**Eastern Kentucky University
Department of Biological Sciences
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235 Moore Bldg.
Richmond, KY 40475**

EDUCATION

Ph.D. IN BIOLOGICAL SCIENCES

Univ. Of South Carolina, Columbia, SC 1990 - 1995

B.S. IN BIOLOGY

Columbus State University, Columbus, GA 1985 - 1990

ACADEMIC POSITIONS

Assistant Dean for Academic and Student Affairs

College of Arts and Sciences
Eastern Kentucky University

April 1, 2009- present

Interim Assistant Dean for Academic and Student Affairs

College of Arts and Sciences
Eastern Kentucky University

July 1, 2007- present

Interim Chair

Department of Biological Sciences
Eastern Kentucky University
Richmond, KY 40475

July 1, 2006- June 30, 2007

Associate Professor

Eastern Kentucky University
Department of Biological Sciences
Richmond, KY 40475

1995 - Present

Administrative Intern in the Office of the Provost 2002-2003
Eastern Kentucky University
College of Arts and Science
Richmond, KY 40475

Graduate Teaching Assistant 1990-1995
University of South Carolina
Department of Biological Sciences
Columbia, SC

Natural History Presenter 1994-1995
South Carolina State Museum
Columbia, SC

OTHER POSITIONS

Chemical Quality Control Technician 1989 - 1990
Desoto, Inc. (Lever Brothers/Proctor and Gamble)
Columbus, GA

TEACHING

Course Prefix and Number	Title	Times Taught
BIO 121	Principles of Biology	3
BIO 121	Laboratory	4
BIO 171	Human Anatomy	32
BIO 171	Laboratory	6
BIO 273	Clinical Microbiology	1
BIO 273	Laboratory	1
BIO 303	Human Heredity and Society	25
BIO 490	Undergraduate Seminar	2
BIO 514	Evolution	22
BIO 598	Undergraduate Independent Research	2
BIO 714	Evolution (Graduate Level)	22
BIO 798	Graduate Independent Research	2
BIO 890	Graduate Seminar	1
BIO 891	Thesis Research	3
HON 315	Honors Science Seminar	4
GSO 102	Academic Orientation	1

BIO 514 Online*	Evolution	4
BIO 714 Online*	Evolution (Graduate)	4

*I developed this course as part of a funded proposal from the College of Ed.

PUBLISHED WORKS

Refereed Journal Articles:

Genetic Polymorphism in the Mitochondrial Gene Cytochrome b in Kentucky *Peromyscus* (Deer Mouse) populations. Michael L. Foster and Adrian T. McCollum. JKAS 62(2). 2001.

Refereed Published Creative Works:

I was contracted by McGraw-Hill Higher Education in Fall 2004 to develop the Powerpoint CD to accompany the first edition of a new Anatomy textbook by McKinley. It was distributed in Fall 2005 as part of the ancillary package for instructor use with the 1st Ed. of the textbook.

“Teaching Evolution to Persons Offended by the word *Evolution*” McGraw-Hill Higher Education online resource for teachers, 1998.

(<http://www.mhwh.com/zoology>)

Other published works

Lecture Outlines and Study Guide for Human Anatomy
 Lecture Outlines and Study Guide for Human Heredity and Society
 Lecture Outlines and Study Guide for Evolution
 (William C. Brown - McGraw Hill Publishers)

ORAL PAPERS PRESENTED/ INVITED LECTURES

“What is Darwinian Evolution?” ECU Chataqua Lecture Series, 2000

“The Biology of Homosexuality” ECU Pride Alliance Meeting, 2001

Invited Speaker – 2006 National Pan Hellenic Council Recognition Ceremony for Black Graduates, ECU.

Guest Lecturer, ECU, 1999, “The Biology of Aging”

Guest Lecturer, ECU, 1999, “The Effects of Aging on the Reproductive System”

Guest Lecturer, ECU, 1999, “Use of Population Genetics in Conservation Biology”

Guest Lecturer, ECU, 1999, “Use of Molecular Techniques as Applied to Mammalogy”

Guest Lecturer, ECU, 1999, “Darwinian Evolution”

Guest Lecturer, ECU, 1999, “Mitochondrial Eve: Origins of Man”

POSTERS PRESENTED

Comparative Study of Cranial and Molecular Characteristics for the Eastern Cottontail and Appalachian Cottontail. Peiti C. Cook, Stephen Sumithran and **Michael L. Foster**, Eastern Kentucky University. Nov. 10, 2001. KAS Poster Presentation

I was co-author (along with Marcia Pierce and Marcia Watkins) on a poster presented at the international meeting of the American Society of Microbiologists held in Atlanta, GA. The poster was presented by Marcia Watkins in Fall 2005 and was based on her thesis research investigating antibiotic resistant strains of bacteria.

I was co-author (along with Marcia Pierce and Marcia Watkins) on a poster presented at KAS in 2005.

PROFESSIONAL MEETINGS/WORKSHOPS

American Society of Mammalogists 1995 –
South Carolina Academy of Science
Kentucky Academy of Science
AAAS
Association of Southeastern Biologists

GRANTS & CONTRACTS

Funded Projects as CoPI

1. *Genetic Associations of Environmental Degredation: Prokaryotic and Eukaryotic Communities as Indicators*, Stephen Richter, William Staddon, Charles Elliott, and Michael Foster. Eastern Kentucky Environmental Research Institute, 2006.
2. *KBRIN (Kentucky Biomedical Research Infrastructure Network) Molecular Biology Training Grant* – Supporting Faculty responsible for teaching PCR to undergraduate and graduate students, Pat Calie, Debra Bautista, and Michael Foster, NIH, 2003-2006.
3. *INBRE (Infrastructure Network for Biomedical Research Excellence) 2006-2009.*

Funded Projects as PI

Random Amplified Polymorphic DNA (RAPD) Analysis of Peromyscus Populations in Eastern and Central Kentucky. NSF EPSCoR. 1997. \$15000

EKU Institutional Research Program. *Development of Species-specific Markers for Kentucky Deermouse (Peromyscus) Species Using the Polymerase Chain Reaction (PCR) and RAPD Analysis.* \$2500. 1996

Genetic Diversity Among Small Mammal Populations Inhabiting the Bluegrass Army Depot in Madison County, KY. 1996. University Research Committee \$2575

Non-Funded Projects Co-PI

National Science Foundation, 1997. *Enhancement of the Undergraduate Research Experience in Cellular and Molecular Biology.* \$69,946

STUDENT SUPERVISION (Scholarly/Creative Activities)

As a member of the **Graduate Advisory Committee** for numerous MS graduate students, I have supervised and worked with the following students who **completed** their MS degrees in the Department of Biological Sciences:

2006:

Shahed Jameel

2005

1. Chad Blankenship
2. Chris Dickerson
3. Hanna Davis
4. Elana Scopa
5. Jennifer Wilson
6. Sari Liggett
7. Marcia Watkins

2003.

1. Brandy Nelson
2. Kimberly Kimbler
3. Johnathan Rogers - MA student In Education / 2nd Education in Biology.
4. Pat Wilson
5. Peiti Cook
6. Pari Beigi

2002

1. Adrian McCollum

1999

1. Janna Hawks
2. Dawn Zenefski
3. Barry Robinson

I **currently** serve on the MS Graduate Committee for David Blankenship.

I have supervised 4 **Honors Thesis Research Projects** for students in the **Honors Program** at EKU.

INSTITUTIONAL SERVICE

University Diversity Committee, Co-Chair, 2001-2003
University Pre-Medical Advisory Committee 1995 - Present
University Strategic Planning Committee 2002-2003
University Research Committee
University Institutional Review Board (Human Subjects Review)
University Scholarship Committee
University Strategic Planning Committee
University Disciplinary Committee
College of Arts and Sciences Curriculum Committee

Dept. Promotion and Tenure Committee
Dept. Space Facilities and Equipment Committee
Dept. Honors and Awards Committee
Dept. Animal Care Committee
Dept. Newsletter Committee
Dept. Search Committees
HCOP Advisory Committee

Premedical Academic Advisor 1995-Present (approx. 60-70 advisees per semester)

Interim Chair, Department of Biological Sciences
College of Arts and Sciences Chairs Meetings
Chairs Council Meetings

SERVICE TO THE PROFESSION

1. I have served as reviewer for anatomy and genetics textbooks published by William C. Brown-McGraw Hill Publishers:
 - a. *Human Genetics* 7/e, Ricki Lewis
 - b. *Human Genetics* 8/e, Ricki Lewis
 - c. *Human Anatomy*, Van deGraff
 - d. *Human Anatomy* 1st Ed., McKinley *et. al.*
 - e. *Human Anatomy* 1st Ed., McKinley *et. al.*
 - f. *Understanding Evolution*, Volpe *et. al.*
 - g. *Genetics, Analysis and Principles*, 3rd. Ed, Robert J. Brooker

2. I have participated in numerous workshops and study groups for teaching Anatomy and Physiology and designing textbooks, graphical ancillaries and CD- ROM programs. Wm. C. Brown – McGraw-Hill Human Anatomy Symposium in Denver Colorado in June 2003.

- a. Human Anatomy 1/e by Saladin

- b. Art program by McGraw Hill Publishers
 - c. Member of Advisory Board for development and improvement of Human Dissection Anatomy software program for McGraw-Hill Publishers.
3. I have beta-tested educational software for teaching evolution and ecology (Evo-Beaker, Eco-Beaker) 2004.
- 4. I have developed and reviewed questions for the PRAXIS teacher certification exam (2006), Educational Testing Service, Princeton, NJ.
 - 5. Phi Sigma Guest Panelist “Planning for Graduate School”
 - 6. Developed and Implemented a Biotechnology Workshop for ECU Faculty

PROFESSIONALLY RELATED COMMUNITY SERVICE

- 1. KAS (Kentucky Academy of Science) Poster Judge
- 2. Judge at Junior Academy of Science Symposium
- 3. KABHE (Kentucky Association of Blacks in Higher Education)
- 4. NSTA (National Science Teacher Association)
- 5. KY State P-16 Council (Improving Secondary Education)
- 6. PT3 Workgroup (Teaching With Technology)
- 7. Science and Engineering Fair Judge
- 8. Report for Consultant for **Ewers Water Consultants** and the Sierra Club, 1999. *The Potential Dangers of Human Microbial Pathogens from Septic Systems and Agricultural Nonpoint Contaminants in Woodford County, KY*
- 9. Member of the PRAXIS Middle School Science Teacher Exam (ETS) National Advisory Committee (2008-present), and also a question writer.
- 10. Member of Council of Colleges of Arts and Sciences (CCAS)

HONORS AND AWARDS

- 1. Nominated by National Seniors Honor Society (Mortar Board) for ***Award for Teaching Excellence***, 2000
- 2. Four-time winner of *Professor of the Month Award*
- 3. Outstanding Zoology Student, 1989
Columbus State University
Dept. of Biological Sciences
Columbus, GA
- 4. Who’s Who Among Students at American Universities and Colleges, 1989

OTHER ACTIVITIES/ACCOMPLISHMENTS

1. I continue to volunteer and serve as mentor with the PLUS program at EKU. This is a program that identifies minority and at-risk students and matches them with a faculty mentor.
2. I have served numerous times as Coordinator for BIO 171 Labs, overseeing 19 lab sections and 6-8 graduate Teaching Assistants, serving approx. 600 anatomy students per semester. Most recently, I did this in Fall 2005.
3. I have served as faculty advisor for various student organizations such as the Biology Club, SPOUT, and the EKU Pride Alliance.
7. I gave a Presentation on Diversity at EKU to the Residence Hall Association new staff members in Summer 2003.
8. I attended Governor's Summit on Diversity in Frankfort, KY in 2003 representing EKU.
9. I have incorporated computer technology in all of my classes and I use Blackboard to complement all of my courses. Students are required to make use of the internet, and to use resources. I provide for them online. I maintain a web page for each of the courses I teach. Assignments and course materials are provided online.
10. I developed and continue to teach an online course, one of only two such courses currently offered by the department.
11. In the summer of 2005 I participated in and represented the Biology Dept. in a General Education Workshop designed to develop the Gen. Ed. Guidelines and rubrics to be used by the University in the new Gen. Ed. Program. I then assisted various faculty in preparing the application materials for courses seeking approval for the Gen. Ed. Program.
12. I was invited to speak at the Phi Sigma (International Biology Honor Society) Initiation Banquet in Fall 2005.
13. I have volunteered to teach one overload per semester over the past 5 years due to increasing enrollment, a continuing need for additional faculty, and a shortage of qualified part-time instructors. I have also taught BIO 273 - Clinical Microbiology lecture and lab at the extended campus in Danville, KY after a faculty member retired, causing a faculty shortage. The position was subsequently filled.
14. I have taught **undergraduate** (100-500 level) courses for both biology majors and non-majors (including general education courses), as well as **graduate** (700-800 level) courses (having earned full graduate faculty status). I have taught in EKU's

nationally recognized **Honors** program (HON 315), and I have taught a **developmental-level** class for entering freshmen (GSO 102).

Workshops and Special Training:

1. SACS (Southern Association of Colleges and Schools) Reaffirmation Process, Fall 2006
2. QEP Development, Fall 2006
3. College of Arts and Sciences Chairs and Deans Workshop, Fall 2006
4. New Employee Orientation for Part-time Instructors, Fall 2006
5. Employee Referral Program (Behavioral Medicine Network), Fall 2006
6. Employee Review Process, Fall 2006
 7. Strategic Planning and Program Review, 2006
 8. General Education, 2005, 2006
 9. Banner Basics & Banner Finance, Spring 2006
 10. TracDat, 2006
 11. Blackboard, 2002, 2006
 12. Diversity Training 2003
 13. How to Motivate Students (1999)
 15. Multimedia Instructional CD ROM Development (1999)
 16. Teaching With Technology (1999)
 17. Web Page Editing
 18. Developing a Course for the Internet
 19. 2008 Facilitation Conference “Funneling Ideas Into Action”
 20. 2008 Funneling Ideas Into Action: Meeting Management and Facilitation Skills Workshop
 21. 2009 DACUM Occupational Analysis Facilitation Training Program: A Focus Group Story Boarding Process

My Duties as Interim Assistant Dean:

SUMMARY: The Assistant Dean for Academic and Student Affairs is primarily responsible to the Dean in providing academic leadership for the College of Arts and Sciences and is

additionally responsible for other duties as assigned by the Dean. More specifically, the Assistant Dean for Academic and Student Affairs is expected to provide leadership in the areas of academic curriculum and program development, academic advising, student learning assessment and retention, general education, and instructional technology.

SPECIFIC DUTIES:

- Provide college-wide leadership in coursework and program development and assessment.
- Promote development of intra- and inter-college interdisciplinary courses and programs.
- Serve as chair of the college Curriculum Committee.
- Represent the college on the Council on Academic Affairs.
- Provide administrative oversight of student academic regulations and records including certifying undergraduate degree requirements.
- Provide college-wide leadership for student advising.
- Provide college-wide leadership for student recruitment and retention.
- Provide leadership for and supervision of general education in the college.
- Take a leadership role in the university-wide General Education Program.
- Serve as vice-chair of the university General Education Committee.
- Serve as member of the university Assessment Committee representing general education.
- Provide college-wide leadership in the delivery of instructional technology.
- Serve as chair of the college Technology Work Group.
- Assist the Dean with the college promotion and tenure process.
- Provide administrative oversight of the College Technology Information Center (TIC) and Network Administration.
- Provide administrative oversight of the college Chemical Safety Officer and serve as co-chair of the college Safety Committee.
- Provide administrative oversight of the Chemical Storage Facility.