

DATE OF PREPARATION: January 18, 2008

CURRICULUM VITAE OF JAMES DANA FOSTER

ADDRESS:

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Academic Status: Associate Professor of Anatomy

EDUCATION:

Oakland University, Rochester, Michigan, B.S., 1977, Biology.

University of Chicago, Chicago, Illinois, RRT., 1980, Program for Respiratory Therapy.

Oakland University, Rochester, Michigan, M.S., 1980, Biology. Advisor: Asish C. Nag, Ph.D.

Temple University, Philadelphia, Pennsylvania, Ph.D., 1987, Anatomy. Advisor: Laurie G. Paavola, Ph.D.

POSTDOCTORAL TRAINING:

Department of Cell Biology, Yale University School of Medicine, New Haven, Connecticut, Post-doctoral Research Associate, 1987-1988. Postdoctoral Sponsor: Marilyn G. Farquhar, Ph.D.

Department of Anatomy and Cell Biology, University of Michigan School of Medicine, Ann Arbor, Michigan, Postdoctoral Fellow, 1988-1989. Postdoctoral Sponsor: Steven A. Ernst, Ph.D.

Department of Physiology and Biophysics, University of Kentucky College of Medicine, Lexington, Kentucky, Postdoctoral Scholar, 1989-1991. Postdoctoral Sponsors: Drs. Thomas V. Getchell, Ph.D. and Marilyn L. Getchell, Ph.D.

Department of Otolaryngology, Wayne State University School of Medicine, Detroit, Michigan, Postdoctoral Fellow, 1991-1994. Postdoctoral Sponsor: Dr. Dennis G. Drescher, Ph.D.

TEACHING EXPERIENCE:

Oakland University, Rochester, MI (Undergraduate laboratory courses; Teaching Assistant) (1977-1979):

- Introductory Biology, Fall 1977 and Winter 1978.
- Cytochemistry, Fall 1977.
- Human Anatomy (Nursing School), Fall 1978.
- Histology, Winter 1979.

Temple University Medical School, Philadelphia, PA, Graduate Teaching Assistant (1982-1985):

- Human Gross Anatomy, Fall 1982.
- Medical Histology, Fall 1983.
- Functional Surgical Anatomy of the Back and Extremities, Spring 1982 and 1984.
- Tutor for Dental Students in Histology (Fall 1985).
- Tutor for Dental Students in Gross Anatomy (November - December 1985).

Baker College of Flint, Flint, MI (Courses for Allied Health and Occupational Therapy Programs) (1994):

- Neuroanatomy (Course Development and Instructor, January - June 1994). Gave all lectures in course.
- Clinical Kinesiology (Instructor, July - August 1994). Gave all lectures in course.

Meharry Medical College, Nashville, TN (1994-2000):

- Medical Microanatomy and Cell Biology (Assistant Professor and Course Coordinator, August 1994 – October 2000). Taught in lecture and laboratory sessions.
- Dental Microanatomy and Cell Biology (Assistant Professor (January 1995 – October 2000) and Course Coordinator (January 1995-August 1997). Taught in lecture and laboratory sessions.
- Medical Microanatomy and Cell Biology: Meharry Mini-Academic Program for Success (MAPS) (Assistant Professor and Course Coordinator, Summers of 1995, 1996 and 1997). Taught in lecture and laboratory sessions.

Western University of Health Sciences, College of Osteopathic Medicine, Pomona, CA (Associate Professor) (2000-2005):

- Gross Anatomy for College of Osteopathic Medicine (2000 - 2005). Instructed lecture and laboratory sessions.
- Lectures and Labs in Cardiovascular Histology for Osteopathic College (September, 2002 - 2005).
- Neuroscience for College of Osteopathic Medicine (Spring 2001 - 2005). Instructed lecture and laboratory sessions.
- Intensive Summer Anatomy Course for Osteopathic College (ISAC; Summer 2001 - 2005). Instructed lecture and laboratory sessions.
- Structure and Function for Master of Science in Physician Assistant Program (September, 2002 – 2005, Course Coordinator and Instructor).
- Human Anatomy for Prerequisite of Master of Science Nursing Entry Program (August, 2004 – 2005, Course Developer/Coordinator and Instructor for new course).

Mt. San Antonio College, Walnut, CA (Adjunct Faculty) (2001-2005):

- Introductory Human Physiology (ANAT 10B), Spring 2001 and 2002. Lecture and laboratory sessions.
- Introductory Human Anatomy (ANAT 10A), Fall 2001 - 2004. Lecture and laboratory sessions.

- General Biology (BIOL 1), Spring 2002. Laboratory sessions only.
- Introductory Human Anatomy (ANAT 10A), Spring 2003 - 2005. Lecture and laboratory sessions.
- Human Anatomy (ANAT 35), Spring 2004

Chaffey College, Rancho Cucamonga, CA (Adjunct Faculty; Lecture and laboratories) (2001-2005):

- Introductory Human Anatomy (BIOL 20), Spring 2001 - 2005.
- Introductory Human Physiology (BIOL 22), Summer 2001 (Session I).
- Introductory Human Physiology (BIOL 22), Summer 2001 and 2002 (Session II).
- Introductory Human Anatomy (BIOL 20), Fall 2001 - 2004.
- Introductory Human Anatomy (BIOL 20), Summer 2002 (Session I).
- Introductory Human Anatomy (BIOL 20), Summer 2003 - 2005.
- Human Anatomy and Physiology (BIOL 424), Spring and Fall 2004 - 2005.

Victor Valley College, Victorville, CA (Adjunct Faculty; Lecture and laboratories) (2004-2005):

- Human Anatomy (BIOL 211), Spring and Fall 2004 and Spring 2005.

Pikeville College School of Osteopathic Medicine, Pikeville, KY (Associate Professor) (2005-2006):

- Gross Anatomy for College of Osteopathic Medicine (August, 2005 – January 2006). Instructor for lecture and laboratory sessions.
- Histology for College of Osteopathic Medicine (August – December 2005). Course Director and Instructor.
- Neuroscience for College of Osteopathic Medicine (January 2006- May 2006). Instructor for lecture and laboratory sessions.

Lincoln Memorial University-DeBusk College of Osteopathic Medicine (LMU-DCOM), Harrogate, TN (Associate Professor) (2006-present):

- Human Anatomy and Physiology (BIOL 261 and 262), Fall 2006 and Spring 2007.
- Gross Anatomy for College of Osteopathic Medicine (August, 2007 – December 2007). Instructor for lecture and laboratory sessions.
- Histology for Systems, College of Osteopathic Medicine (August, 2007 – current). Instructor.
- Structural Cell Biology and Embryology for MFM I course, College of Osteopathic Medicine (August, 2007 – December 2007). Instructor
- Neuroscience for College of Osteopathic Medicine (January 2008- May 2008). Instructor for lecture and laboratory sessions.

CONTINUING EDUCATION COURSES:

Certification Programs:

- Blackboard Basics (June-July 2006).
- Developing Interactive Web-Based Courses (June - August 2006).

STUDENT TRAINING:

Meharry Medical College, Nashville, TN:

Charles M. Holsey, Jr.: Summers of 1994 and 1995

Kenneth R. Collins: Summer Dental Student Research Fellowship, 1995

Reginald L. Fulford: Summer Dental Student Research Fellowship, 1995
Kenneth Neal: Summer Medical Student Research Fellowship, 1997
Cathy Long: Summer Medical Student Research Fellowship, 1997
Karen J. Gray: Summer Medical Student Research Fellowship, 1998 and 1999
Nikki C. Epps: Summer Medical Student Research Fellowship, 1998 and 1999
Taisha K. Walton: Summer Medical Student Research Fellowship, 1999 and 2000
Yolanda V. Lewis: Summer Medical Student Research Fellowship, 1999 and 2000
Amit Mittal: Summer Medical Student Research Fellowship, 1999
Taryll L. Jenkins: Summer Medical Student Research Fellowship, 1999 and 2000
Alicia T. Waits: Summer Medical Student Research Fellowship, 2000
La'Keitha Foster: Summer Medical Student Research Fellowship, 2000

Western University of Health Sciences, Pomona, CA:

John D. Gull: Summer Fellowship in Research, 2001
Daniel M. Sullivan: Summer Fellowship in Research, 2003
Joel Stillings: Summer Fellowship in Research, 2003

Pikeville College School of Osteopathic Medicine, Pikeville, KY:

Co-Director of "Undergraduate Fellowship in the Anatomical Sciences" for MSIII fellow: Michelle Weiss, 2005-2006

GRANT SUPPORT:

- Oakland University Undergraduate Research Grant (9/1/76 - 5/31/77); NIH Predoctoral Research Fellowship, Temple University (2/1/86 - 1/31/87).
- National Institute on Deafness and Other Communication Disorders (NIDCD), National Research Service Award, NIH T32-DC-00026-04, (7/1/91 - 6/31/94).
- National Science Foundation - Minority Research Center of Excellence in Cell and Molecular Biology (RCE - Developmental Seed Grant), "Characterization of S-100 in Vestibular End Organs", PI: James D. Foster, Ph.D., Direct Cost for First Year: \$10,000 (10/01/95 - 9/30/96).
- National Institutes of Health (NIH), National Institute of Mental Health (NIMH) - Minority Research Infrastructure Support Program (M-RISP), Individual Investigator Research Project, "Actions of S-100 in Vestibular End Organs", PI: James D. Foster, Ph.D., Direct Cost for First Year: \$49,998, Direct Cost for Entire Project (3 years): \$149,995 (5/1/97 - 9/30/2000).
- Western University Research Grant (Developmental Grant), "Steroidogenic Activity in the Mammalian Olfactory Mucosa", PI: James D. Foster, Ph.D., Direct Cost: \$4,000 (1/01/01 - 12/31/02).
- Western University Research Grant (Continuation of Grant), "Steroidogenic Activity in the Mammalian Olfactory Mucosa", PI: James D. Foster, Ph.D., Direct Cost: \$5,000 (10/01/02 - 06/31/03).
- Western University Research Grant (Continuation of Grant), "Steroidogenic Activity in the Mammalian Olfactory Mucosa", PI: James D. Foster, Ph.D., Direct Cost: \$5,000 (10/01/04 - 06/31/05).

MAJOR PROFESSIONAL SOCIETIES:

- Association for Chemoreception Sciences

- Association for Research in Otolaryngology

HONORS, AWARDS AND SCHOLARSHIPS:

- State of Michigan Competitive Scholarship Award (1972-1977).
- Graduate Teaching Assistantship, Oakland University (1977-1979).
- Predoctoral Research Assistantship, Temple University (1981-1986).
- Neuroscience Programs Travel Award, Wayne State University (Oct. 1992 and Nov. 1993).
- State of Tennessee, Governors Certificate of Appreciation for Work in Child Abuse Prevention, February 1997.

COMMITTEES AND SERVICE:

Community:

- *State of Tennessee:* Board of Directors, Child Abuse Prevention of Tennessee (June 1996 - June 1998; Vice President: July 1, 1997 - June 30, 1998)
- *Victorville First Assembly of God:* Volunteered to help build a church on Navajo Reservation, Fort Defiance, AZ (Aug 2003)
- *Victorville First Assembly of God:* Administrative Director, Kids Time Ministries (June 2003 – January 2004)
- *The Professional Education Preparation Program (PEPP) program:* Lecturer for High School Students on the Anatomical Sciences (June 2006)

Meharry Medical College

- School of Medicine, Surgery Department Internal Review Committee (1998)
- School of Medicine, Faculty Development Committee (December 1997-October 2000)
- School of Medicine, Student Advisory Committee (January 1998-October 2000)
- Faculty Senate Elections and Nominating Committee (1997 & 1998)
- Faculty Council School of Research and Graduate Studies, Secretary/Treasurer (1997-October 2000)
- School of Medicine Pathology Department Internal Review Committee, Chairman (1996)
- Faculty Senate Committee on Appointments, Promotion & Tenure (November 1995-October 2000)
- School of Medicine, First Year, Second Semester Curriculum Committee (January 1995-October 2000)
- Participant in School of Dentistry, National Board Review Program (Part I) (1995, 1996 & 1997)
- MRISP Research Seminar Committee (1997-October 2000; Chairman, 1997)
- Department of Anatomy and Physiology Graduate Studies Committee (1997-October 2000)
- School of Dentistry, Academic Evaluation, Honors & Award Committee (August 1995-August 1997)
- First and second Year Dental Student Academic Progress Committee (August 1994-August 1997)
- School of Medicine, Curriculum Committee (January 1995-October 2000)
- Faculty-Student Social Hour Committee (1996)
- School of Medicine, First Year Student Progress Committee (August 1994-December 1995)
- Meharry/Tennessee State University, RIMI Program Neuroscience Group (August 1996-October 2000)

Western University of Health Sciences

- College of Osteopathic Medicine, Question Development Committee for Clinical Performance Exam (CPE) (January 2001)
- College of Osteopathic Medicine, Instructional Technology Advisory Committee (2001)
- University Awards Committee (2003-2005)
- College of Osteopathic Medicine, Awards Sub-Committee (2003-2005), Chair
- College of Osteopathic Medicine, Basic Medical Sciences Faculty Search Committee (2003-2004)
- College of Osteopathic Medicine, DO Interviewer for Admissions (2003-2005)
- University Library Committee (2004-2005)
- Financial Aid Subcommittee for the D.O. Program (2005)
- Faculty Advisor for Western University's American Medical Student Association (AMSA) (2005)

Pikeville College School of Osteopathic Medicine

- College of Osteopathic Medicine, Admissions Committee (2005-present)
- College of Osteopathic Medicine, Research Committee (2005-present)
- College-wide, Special Program Committee (BS/DO Fast-track program) (2005-present)

Lincoln Memorial University-DeBusk College of Osteopathic Medicine (LMU-DCOM).

- College of Osteopathic Medicine, Learning Resources Committee (2006-present)
- College of Osteopathic Medicine, Interviewer for Admissions (2006-present)
- College of Osteopathic Medicine, Research Committee (2007-present)
- College of Osteopathic Medicine, Co-Coordinator of Reproductive System (2007-present)

TEXTBOOK REVIEWS:

- Essentials of Anatomy and Physiology, 5th Edition. R. Seeley, T. Stephens and P. Tate. McGraw-Hill (2005, Pre and Post-Publication Reviews).
- Histology: A Diagnostic Atlas, 1st edition. Tallitsch and Guastaferrri. McGraw-Hill (2004).

PUBLICATIONS:

Original observations in refereed journals

1. Nag, A. C. and J. D. Foster. Myogenesis in adult mammalian skeletal muscle *in vitro*. *J. Anat.* 132:1-18, 1981.
2. Foster, J. D., M. L. Getchell and T. V. Getchell. Identification of sugar residues in secretory glycoconjugates of olfactory mucosae using lectin histochemistry. *Anat. Rec.* 229:525-544, 1991.
3. Foster, J. D., M. L. Getchell and T. V. Getchell. Ultrastructural localization of sialylated glycoconjugates in cells of the salamander olfactory mucosa using lectinocytochemistry. *Cell Tiss. Res.* 267:113-124, 1992.

4. Foster, J. D., J. F. Strauss, III and L. G. Paavola. Cellular events involved in hormonal control of receptor-mediated endocytosis: regulation occurs at multiple sites in the LDL pathway, including steps beyond the receptor. *Endocrinology* 132:337-350, 1993.
5. Foster, J. D., M. J. Drescher, K. M. Khan and D. G. Drescher. Immunohistochemical localization of S-100 proteins in the saccule of the rainbow trout, (*Salmo gairdneri* R). *Hear. Res.* 68, 180-188, 1993.
6. Foster, J. D., M. J. Drescher, J. S. Hatfield and D.G. Drescher. Immunohistochemical localization of S-100 proteins in auditory and vestibular end organs of the mouse and hamster. *Hear. Res.* 74, 67-76, 1994.
7. Foster, J. D., M. J. Drescher and D. G. Drescher. Immunocytochemical localization of GABA_A receptors in the mammalian crista ampullaris. *Hear. Res.* 83: 203-208, 1995.
8. Kern, R. C., J. D. Foster and D. Z. Pitovski. Mineralocorticoid (Type I) receptors in the olfactory mucosa of the mammal: studies with tritiated [³H] aldosterone and the anti-mineralocorticoid spironolactone. *Chem. Senses.* 22:141-148, 1997.
9. Kern, R. C., J. D. Foster and D. Z. Pitovski. Glucocorticoid (Type II) receptors in the olfactory mucosa of the guinea-pig: RU 28362. *Chem. Senses.* 22:313-319, 1997.
10. Robinson, A. M., R. C. Kern, J. D. Foster, K. G. Fong and D. Z. Pitovski. Expression of glucocorticoid receptor messenger RNA and protein in the olfactory mucosa: Physiologic and pathophysiologic implications. *Laryngoscope.* 108:1238-1242, 1998.
11. Robinson, A. M., R. C. Kern, J. D. Foster, Z. S. Krozowski and D. Z. Pitovski. Mineralocorticoid receptors in the mammalian olfactory mucosa. *Ann Otol Rhinol Laryngol.* 108:974-81, 1999.
12. Fong, K. J., R. C. Kern, J. D. Foster, J. C. Zhao and D. Z. Pitovski. Olfactory secretion and sodium, potassium-adenosine triphosphatase: regulation by corticosteroids. *Laryngoscope.* 109:383-388, 1999.

Theses

Foster, J. D. (1980) M.S. Thesis. Oakland University, Myogenesis in adult mammalian skeletal muscle: the role of satellite cells. 65 pp.

Foster, J. D. (1987) Ph.D. Thesis. Temple University, Onset of lipoprotein-supported steroidogenesis in differentiating granulosa cells of rats: Cellular events involved in mediating FSH-enhanced uptake of low density lipoprotein. 122 pages.

Published Abstracts

1. Nag, A. C. and J. D. Foster. Myogenesis in the adult mammalian skeletal muscle: The role of satellite cells. *The American Society for Cell Biology, J. Cell Biol.* 79:322a, 1978.

2. Foster, J. D., L. G. Paavola and J. F. Strauss III. FSH up-regulates LDL binding sites in rat granulosa cells *in vitro*. American Association of Anatomists, *Anat. Rec.* 211:63A, 1985.
3. Foster, J. D., J. F. Strauss, III and L. G. Paavola. FSH regulates post-receptor events in receptor-mediated uptake of low density lipoproteins (LDL). The American Society for Cell Biology, *J. Cell Biol.* 103:57a, 1986.
4. Foster, J. D., M. L. Getchell and T. V. Getchell. Differences in distribution of sialylated glycoconjugates in secretory cells of the salamander olfactory mucosa. Association for Chemoreception Sciences XII, *Chem. Senses.* 15:575, 1990.
5. Foster, J. D., M. L. Getchell and T. V. Getchell. Glycoconjugate differences in secretory cells of mammalian olfactory mucosae. *Soc. Neurosci. Abstr.* 16:26, 1990.
6. Foster, J. D., M. L. Getchell and T. V. Getchell. Sub-cellular localization of sialylated glycoconjugates in secretory cells of the salamander olfactory mucosa. Association for Chemoreception Sciences XIII, *Chem. Senses.* 16:522, 1991.
7. Foster, J. D., M. J. Drescher, S. F. Myers and D. G. Drescher. Immunohistochemical localization of S-100 proteins in auditory and vestibular end organs of the mouse. *Soc. Neurosci. Abstr.* 18:1400, 1992.
8. Foster, J. D., M. J. Drescher and D. G. Drescher. Localization of GABA_A receptors-like immunoreactivity in mammalian vestibular end organs. *Soc. Neurosci. Abstr.* 19:1578, 1993.
9. Foster, J. D., R. C. Kern and D. Z. Pitovski. Immunohistochemical localization of mineralocorticoid (type I) receptors in the mammalian olfactory epithelium. *Assoc. Res. Otolaryngol. 17th Midwinter Meeting.*, 17:33, 1994.
10. Foster, J. D., R. C. Kern and D. Z. Pitovski. Mineralocorticoid (Type I) receptor-like immunoreactivity is associated with Bowman's glands in the mammalian olfactory mucosa. *Soc. Neurosci. Abstr.* 20:1473, 1994.
11. Foster, J. D., R. C. Kern and D. Z. Pitovski. Localization of Na, K, ATPase in the mammalian olfactory mucosa. *Assoc. Res. Otolaryngol. 18th Midwinter Meeting.* 18:650, 1995.
12. Kern, R. C., H. H. Salem, J. D. Foster and D. Z. Pitovski. Mineralocorticoid (Type I) receptors in the olfactory mucosa. *Assoc. Res. Otolaryngol. 18th Midwinter Meeting.* 18:649, 1995.
13. Foster, J. D., R. C. Kern and D. Z. Pitovski. Immunohistochemical localization of glucocorticoid (type II) receptors in the mammalian olfactory mucosa. *Soc. Neurosci. Abstr.* 21:1746, 1995.
14. Kern, R. C., J. D. Foster and D. Z. Pitovski. Glucocorticoid (type II) receptors in the mammalian olfactory mucosa: RU 28362 binding sites. *Soc. Neurosci. Abstr.* 21:1746, 1995.

15. Kern, R. C., J. D. Foster and D. Z. Pitovski. Cytochemical localization of 11 beta-hydroxysteroid dehydrogenase in the olfactory mucosa. *Assoc. Res. Otolaryngol. 19th Midwinter Meeting.* 19:282, 1996.
16. Foster, J. D., K. J. Gray and H. J. Wynder. Distribution of S-100 subunits in the mammalian vestibular end organs. *Assoc. Res. Otolaryngol. 22nd Midwinter Meeting.* 22:7, 1999.
17. Gull, J. and J. D. Foster. Immunocytochemical localization of cytochrome p450scc in the mammalian olfactory bulb. *J. Investig. Med.* 2002
18. Foster, J. D. and D. M. Sullivan. Immunocytochemical localization of 11 β -hydroxysteroid dehydrogenase in the mammalian olfactory mucosa. Association for Chemoreception Sciences XXVI, *Chem. Senses.* 29:383a, 2004.
19. Foster, J. D. Evidence for endogenous neurosteroid production in the mammalian olfactory mucosa: immunocytochemical localization of cytochrome p450scc. Association for Chemoreception Sciences XXVII, *Chem. Senses.* 30: 42a, 2005.

PRESENTATIONS:

Invited and/or Refereed Internationally or Nationally

1. "Myogenesis In Adult Mammalian Skeletal Muscle." Department of Biology, Oakland University, 9th Annual Conference of Student Research in the Biological Sciences, Rochester, Michigan, June 10, 1978.
2. "FSH Up-Regulates LDL Binding Sites in Rat Granulosa Cells *in vitro*." American Association of Anatomists, Toronto, Ontario, Canada, May 7, 1985.
3. "FSH Regulation of Receptor-Mediated Endocytosis of Low Density Lipoproteins by Rat Ovarian Granulosa Cells." Department of Cell Biology/Anatomy, Johns Hopkins University, Baltimore, Maryland, February, 7, 1986.
4. "FSH Regulation of Receptor-Mediated Endocytosis of Low Density Lipoproteins by Rat Ovarian Granulosa Cells." Department of Biochemistry, Medical College of Pennsylvania, Philadelphia, Pennsylvania, May 12, 1986.
5. "FSH Regulates Post-Receptor Events in Receptor-Mediated Uptake of Low Density Lipoproteins." Department of Obstetrics and Gynecology, University of Pennsylvania, Research Retreat, Philadelphia, Pennsylvania, November 12, 1986.
6. "FSH Regulates Post-Receptor Events in Receptor-Mediated Uptake of Low Density Lipoproteins (LDL)." The American Society for Cell Biology, Washington, DC, December 8, 1986.

7. "Differences in Distribution of Sialylated Glycoconjugates in Secretory Cells of the Salamander Olfactory Mucosa." Association for Chemoreception Sciences XII, Sarasota, Florida, April 20, 1990.
8. "Sub-Cellular Localization of Sialylated Glycoconjugates in Secretory Cells of the Salamander Olfactory Mucosa." Association for Chemoreception Sciences XIII, Sarasota, Florida, April 21, 1991.
9. "Distribution of Glycoconjugates in Cells of the Salamander and Mammalian Olfactory Mucosae." Department of Molecular Genetics/Biochemistry, University of Cincinnati, Cincinnati, Ohio, June 3, 1991.
10. "Immunocytochemical Localization of S-100 in Auditory and Vestibular End Organs." 10th Annual Otolaryngology Scientific Forum, Department of Otolaryngology, Wayne State University, Detroit, Michigan, March 21, 1992.
11. "Immunohistochemical Localization of S-100 Proteins in Auditory and Vestibular End Organs of the Mouse." Society for Neuroscience, Anaheim, California, October 29, 1992.
12. "Localization of GABA_A Receptors in Mammalian Labyrinthine Sense Organs." 11th Annual Otolaryngology Scientific Forum, Department of Otolaryngology, Wayne State University, Detroit, Michigan, April 3, 1993.
13. "Immunohistochemical Localization of Mineralocorticoid (Type I) Receptors in the Mammalian Olfactory Epithelium." Association for Research in Otolaryngology, St. Petersburg, Florida, February 6, 1994.
14. "Distribution of S-100 in Vestibular End Organs." 12th Annual Otolaryngology Scientific Forum, Department of Otolaryngology, Wayne State University, Detroit, Michigan, March 12, 1994.
15. "Mineralocorticoid (Type I) Receptor-Like Immunoreactivity is Associated with Bowman's Glands in the Mammalian Olfactory Mucosa." Society for Neuroscience, Miami, Florida, November 16, 1994.
16. "Localization of Na, K, ATPase in the Mammalian Olfactory Mucosa." Association for Research in Otolaryngology, St. Petersburg, Florida, February 8, 1995.
17. "Mineralocorticoid (Type I) Receptors in the Olfactory Mucosa." Association for Research in Otolaryngology, St. Petersburg, Florida, February 8, 1995.
18. "Immunohistochemical Localization of Glucocorticoid (Type II) Receptors in the Mammalian Olfactory Mucosa." Society for Neuroscience, San Diego, California, November 13, 1995.
19. "Identification and Characterization of Mineralocorticoid (Type I) Receptors in the Mammalian Olfactory Mucosa." Tennessee State University (MARCS Program), Department of Biology, Nashville, Tennessee, October 20, 1996.

20. "Cytochemical Localization of 11 Beta-Hydroxysteroid Dehydrogenase in the Olfactory Mucosa." Association for Research in Otolaryngology, St. Petersburg, Florida, February 12, 1996.
21. "Immunohistochemical Localization of S-100 Subunits in Vestibular End Organs." Tennessee State University (MARCS Program), Department of Biology, Nashville, Tennessee, September 11, 1998.
22. "Distribution of S-100 Subunits in the Mammalian Vestibular End Organs." Association for Research in Otolaryngology, St. Petersburg, Florida, February 14, 1999.
23. "Histology of the Ear." Western University of Health Sciences, Basic Sciences Department, Pomona, California, March 19, 2000.
24. "Immunocytochemical Localization of 11 β -Hydroxysteroid Dehydrogenase in the Mammalian Olfactory Mucosa." Association for Chemoreception Sciences XXVI, Sarasota, Florida, April 2004.
25. "Detection of Steroid-Synthesizing and Metabolizing Enzymes in the Mammalian Olfactory System." Western University of Health Sciences, Pomona, California, November 2004.
26. "Neurosteroids in the Olfactory Mucosa: Detection of Steroid-Synthesizing and Metabolizing Enzymes in the Mammalian Olfactory System." Pikeville College, School of Osteopathic Medicine, Pikeville, Kentucky, February 2005.
27. "Evidence for Endogenous Neurosteroid Production in the Mammalian Olfactory Mucosa: Immunocytochemical Localization of Cytochrome P450_{scc}." Association for Chemoreception Sciences XXVII, Sarasota, Florida, April 2005.

Student Research Presentations

1. "Immunocytochemical Localization of S100 Subunits in the Mammalian Vestibular End Organs." Presented by K. J. Gray. Meharry Medical College Summer Student Research Forum, Nashville, Tennessee, April 3, 1999
2. "Immunocytochemical Localization of Cytochrome P450_{scc} in the Mammalian Olfactory Mucosa." Presented by N. C. Epps. Meharry Medical College Summer Student Research Forum, Nashville, Tennessee, April 3, 1999.
3. "Immunocytochemical Localization of Cytochrome P450_{scc} in the Mammalian Olfactory Bulb." Presented by J. Gull. *Western Student Medical Research Forum*, , Monterey, California, January 2002
4. "Immunocytochemical Localization of 11 β -Hydroxysteroid Dehydrogenase in the Mammalian Olfactory Mucosa." Presented by D. M. Sullivan. *Western Student Medical Research Forum*, Monterey, California, January 31, 2004.