

## CURRICULUM VITAE

### PERSONAL DATA

Name: Wayne Thomas McCormack  
Date of Birth: September 30, 1958  
Place of Birth: Hopkinsville, Kentucky, USA  
Home Address: 2434 N.W. 15<sup>th</sup> Place  
Gainesville, FL 32605-5155  
Home Telephone: (352) 374-7123  
Work Address: Dept. of Pathology, Immunology & Laboratory Medicine  
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University of Florida College of Medicine  
Gainesville, Florida 32610-0275  
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### EDUCATION

High School: Bellevue High School, Bellevue, Nebraska, 1976  
Undergraduate: Creighton University, Omaha, Nebraska  
B.S. (Biology), December 15, 1979  
Graduate: Florida State University, Tallahassee, Florida  
M.S. (Genetics & Cell Biology), December 18, 1982  
Ph.D. (Genetics & Cell Biology), December 12, 1987

### POSTDOCTORAL TRAINING

Research Associate, Howard Hughes Medical Institute, University of Michigan Medical School, Ann Arbor, Michigan. November 1987 - February 1989  
Postdoctoral Fellow, Dept. of Internal Medicine, University of Michigan Medical School, Ann Arbor, Michigan. March 1989 - August 1991  
Master Educators of Medical Education, University of Florida College of Medicine. January 2001 - June 2002

### ACADEMIC POSITIONS

Associate Dean for Graduate Education, Univ. Florida College of Medicine, Sept. 2001 - present  
Associate Professor, Dept. of Pathology, Immunology and Laboratory Medicine, Center for Mammalian Genetics, Univ. Florida College of Medicine, July 1997 - present  
Assistant Professor, Dept. of Pathology, Immunology and Laboratory Medicine, Center for Mammalian Genetics, Univ. Florida College of Medicine, August 1991 - June 1997

**HONORS AND AWARDS**

Academic Scholarships, Creighton University	1976-1979
Sigma Xi Grant-in-Aid of Research	1985
AAI Travel Award, 7th Int'l Congress of Immunology	1989
New Faculty Award, UF Division of Sponsored Research	1992
Research Development Award, UF Division of Sponsored Research	1992
“Golden Apple” Department Teaching Award, Best Basic Science Course (Co-Director, General Pathology & Immunology)	2001, 2005, 2006
Innovation & Research in Medical Education Award, UF College of Medicine Medical Education Week	2002
Society of Teaching Scholars, UF College of Medicine	2003
Gold Humanism Honor Society	2004
Outstanding Presentation Award Finalist, International Association of Medical Science Educators, 12 <sup>th</sup> Annual Meeting	2008

**PROFESSIONAL SOCIETIES**

American Association for the Advancement of Science	1986 - present
American Association of Immunologists	1989 - present
American Society for Microbiology	1993 - 1994
International Society of Developmental and Comparative Immunology	1994 - 2000
Society for Mucosal Immunology	1995 - 1998
Pan-American Society for Pigment Cell Research	2000 - 2003
American Association of Medical Colleges (AAMC)	2001 - present
AAMC Graduate Research, Education, and Training (GREAT) Group	2001 - present
AAMC Group on Educational Affairs (GEA)	2001 - present
International Association of Medical Science Educators (IAMSE)	2008 - present

**COMMITTEES AND REVIEWERSHIPS**Manuscript Reviewerships:

Archives of Dermatological Research	Journal of Investigative Dermatology
Immunogenetics	Laboratory Investigation
International Immunology	Medical Education
Journal of Immunology	Nucleic Acids Research

Grant Reviewerships:

NIH Allergy and Immunology Study Section ( <i>ad hoc</i> )	1994
USDA Natl Research Initiative Competitive Grants Program ( <i>ad hoc</i> )	1994-1999
NSF Integrative Animal Biology Program ( <i>ad hoc</i> )	1995
NSF Signal Transduction & Regulation Program ( <i>ad hoc</i> )	1997
NIH Centers of Biomedical Research Excellence (COBRE) Panel	2003-2004
Southern Group on Educational Affairs	2006, 2008

National and State Committees:

AAMC GREAT Group Annual Conference, Program Committee, “GREAT Visions of the Future of Biomedical Research Education and Training”, April 2003, Montreal, Quebec, Canada
Gold Humanism Honor Society (GHHS), Executive Committee Member, Advisory Council Member, Research Committee Co-Chair, November 2003 - present

AAMC GREAT Group Annual Conference, Program Committee, “Implementing a GREAT Vision for Biomedical Education”, April 2004, Austin, TX  
GHHS, Planning Committee, First Biennial Meeting, Oct. 2004, Chicago, IL  
GHHS, Planning Committee, Second Biennial Meeting, October 2006, Chicago, IL  
AAMC GREAT Group Annual Conference, Program Committee, October 2007; Providence, RI  
AAMC GREAT Group, Careers in Biomedical Science Committee, May 2008 - present  
Medicine Discipline Coordinator, State Course Numbering System, Florida Department of Education, June 2008 - present  
GHHS, Planning Committee, Third Biennial Meeting, October 2008, Chicago, IL

College and University Committees:

Current

Chair, Graduate Program Committee, Dept. of Pathology, Immunology & Laboratory Medicine, August 1997 - present  
Member, Council of Graduate Deans, Univ. Florida, Sept. 2001 - present  
Chair, Graduate Education Advisory Council, College of Medicine, Sept. 2001 - present  
Chair, Interdisciplinary Program in Biomedical Sciences Advisory Board, College of Medicine, Sept. 2001 - present  
Member, Interdisciplinary Program in Biomedical Sciences Admissions Committee, College of Medicine, August 2002 - present  
Member, UF University Curriculum Committee, July 2008 - present

Past

Member, UF Graduate School Curriculum Committee, August 2003 - July 2006  
Member, Provost Task Force on Tuition Remission, Dec. 2002 - March 2003  
Member, University Faculty Senate, August 2002 - July 2005  
Member, Curriculum Review Committee, Interdisciplinary Program in Biomedical Sciences, College of Medicine, April 1999 - August 2001  
Chair, Recruiting & Admissions Committee, Interdisciplinary Program in Biomedical Sciences, College of Medicine, September 1997 - August 2002  
Member, Advisory Board, Interdisciplinary Program in Biomedical Sciences, Office of the Dean, College of Medicine, August 1996 - August 2001  
Center for Immunology and Transplantation Committee, Dept. of Pathology, Immunology & Laboratory Medicine, August 1996 - August 2001  
Computer Operations Committee, Dept. of Pathology, Immunology & Laboratory Medicine, August 1996 - August 2001  
Graduate Coordinators Committee, College of Medicine, January 1993 - August 1994  
Graduate Program Committee Member, Graduate Program in Immunology & Molecular Pathology, Dept. of Pathology, Immunology & Laboratory Medicine, August 1992 - July 1997  
Interdisciplinary Graduate Program in Biomedical Science Advisory Board and Core Curriculum Focus Group, Office of the Dean, College of Medicine, August 1995 - August 1996  
Center for Study of Host Inflammatory Disease and Tissue Injury Committee, Dept. of Pathology, Immunology & Laboratory Medicine, July 1994 - August 1996  
Judge, 1993 Graduate Student Forum poster session, U.F. Graduate Student Council  
Graduate Coordinator, Graduate Program in Mammalian Genetics, Center for Mammalian Genetics, January 1993 - August 1994  
Graduate Studies Committee and Curriculum Committee, Center for Mammalian Genetics, January 1993 - April 1996

- Advisory Boards: Children's Tumor Foundation (formerly the National Neurofibromatosis Foundation, Inc.), Florida Chapter  
Board of Directors, July 1994 - October 2006  
Treasurer, October 1994 - July 1998  
Vice-President, October 1997 - October 1999  
Newsletter Editor, October 2001 - present  
American Vitiligo Research Foundation  
Medical Advisory Board, May 2003 - present
- Community Service: University Park Neighborhood Association, Gainesville, FL  
Member, October 1992 - October 1997  
Board of Directors, October 1992 - January 1995  
Raintree Neighborhood Association, Gainesville, FL  
Member, April 1998 - present  
Boy Scouts of America, North Florida Council, Alachua District  
Cub Scout Pack 127, September 2003 - present  
Boy Scout Troop 125, Assistant Scoutmaster, February 2006 - present  
Alachua District Training Committee, August 2004 - present  
North Florida Council Training Committee, January 2006 - present  
District Training Chair, January 2006 - August 2008

## TEACHING ACTIVITIES

- 1980-1987: Graduate Teaching Assistantships (Florida State University) for Laboratory Courses in: General Biology (1 term); Genetics of Higher Organisms (2 terms); General Physiology (1 term); and Immunology (4 terms)
- Fall 1991: Lecturer, Principles of Immunology (BMS 6314)
- Spring 1992: Lecturer, Advanced Topics in Immunology (GMS 6382)  
Lecturer, Mammalian Genetics (GMS 6333)
- Fall 1992: Discussion Group Leader, Medical Microbiology & Infectious Disease - Immunology (BMS 5300C)  
Co-Director and Lecturer, Principles of Immunology (GMS 6140/7934)
- Spring 1993: Lecturer, Advanced Topics in Immunology (GMS 6382)  
Lecturer, Mammalian Genetics (GMS 6333)  
Lecturer and Discussion Group Leader, Medical Aspects in Human Genetics (BMS 5202)
- Fall 1993: Discussion Group Leader, Medical Microbiology & Infectious Disease - Immunology (BMS 5300C)
- Spring 1994: Director and Lecturer, Principles of Immunology (GMS 6140/7934)  
Lecturer, Mammalian Genetics (GMS 6333)  
Lecturer, Medical Aspects in Human Genetics (BMS 5202)
- Fall 1994: Lecturer and Discussion Group Leader, Medical Microbiology & Infectious Disease - Immunology (BMS 5300C)  
Lecturer, Advanced Topics in Immunology (GMS 6382)
- Spring 1995: Director and Lecturer, Principles of Immunology (GMS 6140/7934)  
Lecturer, Mammalian Genetics (GMS 6333)  
Lecturer, Medical Aspects in Human Genetics (BMS 5202)
- Spring 1996: Director and Lecturer, Principles of Immunology (GMS 6140/7934)  
Lecturer, Mammalian Genetics (GMS 6333)  
Lecturer, Medical Aspects in Human Genetics (BMS 5202)
- Fall 1996: Lecturer and Discussion Group Leader, General Pathology and Immunology

- (Immunology Section) (BMS 5608)  
Lecturer, Special Topics in Immunology (GMS 6382)  
Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences I (GMS 6001)
- Spring 1997: Co-Director, Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences II (GMS 6002)  
Lecturer, Mammalian Genetics (GMS 6333)  
Lecturer, Medical Aspects in Human Genetics (BMS 5202)
- Fall 1997: Co-Director, Lecturer and Discussion Group Leader, General Pathology and Immunology, (Immunology Section) (BMS 5608)  
Director and Lecturer, Molecular Immunology (GMS 6031)  
Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences I (GMS 6001)  
Lecturer, Avian Diseases (VME 5162)
- Spring 1998: Co-Director, Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences II (GMS 6002)  
Director and Lecturer, Principles of Immunology (GMS 6140)
- Fall 1998: Co-Director, Lecturer and Discussion Group Leader, General Pathology and Immunology, (Immunology Section) (BMS 5608)  
Lecturer, Molecular Immunology (GMS 6031)  
Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences I (GMS 6001)
- Spring 1999: Co-Director, Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences II (GMS 6002)  
Director and Lecturer, Principles of Immunology (GMS 6140)
- Fall 1999: Co-Director, Lecturer and Discussion Group Leader, General Pathology and Immunology, (Immunology Section) (BMS 5608)  
Director, Autoimmunity (GMS 6030)  
Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences I (GMS 6001)
- Spring 2000: Co-Director, Lecturer and Discussion Group Leader, Fundamentals of Biomedical Sciences II (GMS 6002)  
Director and Lecturer, Principles of Immunology (GMS 6140)
- Fall 2000: Co-Director, General Pathology and Immunology, Immunology Section (BMS 5608), Director, Patient-Oriented Problem-Solving (POPS) sessions  
Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033)  
Lecturer, Fundamentals of Biomedical Sciences I (GMS 6001)
- Spring 2001: Lecturer, Fundamentals of Biomedical Sciences II (GMS 6002), Fundamentals of Immunology & Microbiology (GMS 6006)
- Fall 2001: Co-Director, General Pathology and Immunology, Immunology Section (BMS 5608); Director, Patient-Oriented Problem-Solving (POPS) sessions  
Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033)  
Lecturer, Fundamentals of Biomedical Sciences I (GMS 6001)
- Spring 2002: Director and Lecturer, Fundamentals of Biomedical Sciences II (GMS 6002)  
Lecturer, Fundamentals of Immunology & Microbiology (GMS 6006)
- Fall 2002: Co-Director, General Pathology and Immunology, Immunology Section (BMS 5608);

- Director, Patient-Oriented Problem-Solving (POPS) sessions  
Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033)  
Lecturer, Fundamentals of Biomedical Sciences I (GMS 6001)
- Spring 2003: Director and Lecturer, Fundamentals of Biomedical Sciences II (GMS 6002)  
Lecturer, Fundamentals of Immunology & Microbiology (GMS 6006)
- Fall 2003: Co-Director, General Pathology and Immunology, Immunology Section (BMS 5608);  
Director, Patient-Oriented Problem-Solving (POPS) sessions  
Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033)  
Lecturer, Fundamentals of Biomedical Sciences I (GMS 6001)
- Spring 2004: Lecturer, Fundamentals of Immunology & Microbiology (GMS 6006)
- Summer 2004: Director, Bioethics & Research Integrity (GMS 6931)
- Fall 2004: Co-Director, General Pathology and Immunology, Immunology Section (BMS 5608);  
Director, Patient-Oriented Problem-Solving (POPS) sessions  
Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033)
- Spring 2005: Director & Lecturer, Special Topics in Biomedical Sciences - Fundamentals of Biomedical Science Education (GMS 5905); Lecturer, Fundamentals of Immunology & Microbiology (GMS 6006)
- Summer 2005: Director, Responsible Conduct of Biomedical Research (GMS 6931)
- Fall 2005: Co-Director, General Pathology and Immunology, Immunology Section (BMS 5608);  
Director, Patient-Oriented Problem-Solving (POPS) sessions  
Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033)
- Spring 2006: Director & Lecturer, Special Topics in Biomedical Sciences - Fundamentals of Biomedical Science Education (GMS 5905); Lecturer, Fundamentals of Immunology & Microbiology (GMS 6006)
- Summer 2006: Director, Responsible Conduct of Biomedical Research (GMS 7003)
- Fall 2006: Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033); Director and Lecturer, Fundamentals of Biomedical Science (GMS 6001); Director, Seminar in Biology of Disease (GMS 6901)
- Spring 2007: Director & Lecturer, Fundamentals of Biomedical Science Education (GMS 7001);  
Lecturer, Fundamentals of Immunology & Microbiology (GMS 6006); Director, Seminar in Biology of Disease (GMS 6901)
- Summer 2007: Director, Responsible Conduct of Biomedical Research (GMS 7003)
- Fall 2007: Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology (GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033); Director and Lecturer, Fundamentals of Biomedical Science (GMS 6001); Director, Seminar in Biology of Disease (GMS 6901)
- Spring 2008: Director & Lecturer, Fundamentals of Biomedical Science Education (GMS 7001);  
Lecturer, Fundamentals of Immunology & Microbiology (GMS 6006); Director, Seminar in Biology of Disease (GMS 6901)
- Summer 2008: Director, Responsible Conduct of Biomedical Research (GMS 7003)
- Fall 2008: Director and Lecturer, Principles of Immunology (GMS 6140), Molecular Immunology

(GMS 6031), Mechanisms of Host Defense (GMS 6032), Immunity in Health & Disease (GMS 6033); Director and Lecturer, Fundamentals of Biomedical Science (GMS 6001); Director and Lecturer, Essentials in Graduate Research & Professional Development (GMS 6003)

## **TRAINEES**

Graduate Students: Deborah M. Herbstman, Ph.D. Candidate, September 2005 - present  
Courtney B. Casp, Ph.D., May 1999 - December 2003  
Deborah Kristensen, M.S., May 1999 - May 2000  
Edmund C. Leung, Ph.D., August 1992 - May 1998  
Walter W. Aller, Jr., Ph.D., July 1994 - January 1997

Postdoctoral Fellows: Kasinathan Muralidharan, Ph.D., January - August 1993  
F. Javier Sanchez-Garcia, Ph.D., September 1994 - February 1997

Undergraduates: Shane Perkins, B.S. (Honors Thesis), Jan. - Dec. 1998  
Bryan Riggeal, B.S. (University Scholar), May 2002 - May 2003

## **DISSERTATION/THESIS COMMITTEES**

Walter W. Aller, Ph.D., Molecular Genetics & Microbiology, Jan. 1995 - Jan. 1997  
Jonathan Blake, M.S., Pathobiology, College of Vet. Med., Aug. 1996 - Apr. 1997  
Maria Elena Bottazzi, Ph.D., Pathology, Immunology, & Lab. Medicine, June 1994 - Aug. 1995  
Michael A. Brooks, M.D./Ph.D. Candidate, Mol. Genetics & Microbiology, Oct. 1992 - Oct. 1995  
Courtney B. Casp, Ph.D., Medical Sciences (Immunology & Microbiology), May 1999 - Dec. 2003  
Chris Detter, Ph.D. Candidate, Mol. Genetics & Microbiology, Oct. 1996 - Aug. 1999  
John Elyar, Ph.D. Candidate, Veterinary Medical Sciences, Jan. 2000 - May 2005  
Juehua Gao, Ph.D., Medical Sciences (Immunology & Microbiology), Sep. 2003 - Dec. 2004  
Jayashree A. Gokhale, Ph.D., Pathology, Immunology, & Lab. Medicine, Dec. 1992 - Aug. 1995  
Eric A. Heskett, Ph.D., Large Animal Clin. Med., Coll. Vet. Med., May 1999 - May 2003  
Diane Hulse, Ph.D. Candidate, Veterinary Medical Sciences, Jan. 2000 - December 2002  
Karen Jackson, Ph.D., Pathology, Immunology, & Lab. Medicine, Dec. 1992 - Aug. 1995  
Deborah Kristensen, M.S., Pathology (Clinical Chemistry), May 1999 - May 2000  
Edmund C. Leung, Ph.D., Pathology, Immunology, & Lab. Med., Mar. 1993 - May 1998  
Kui Liu, Ph.D., Pathology, Immunology, & Lab. Med., July 1994 - Dec. 1998  
Amelia Luengo, Ph.D., Dairy & Poultry Science, College of Agric., Aug. 1996 - May 1998  
Clark MacCullough, M.S., Dairy & Poultry Sci., College of Agric., Aug. 1998 - Dec. 1999  
Patrick Meeus, Ph.D. Candidate, Pathobiology, Coll. Vet. Med., May 1999 - December 2002  
Anuradha Menon, M.S., Molecular Genetics & Microbiology, Dec. 1993 - Dec. 1995  
Jennifer Moore, Ph.D., Food Science & Human Nutrition, Aug. 1998 - December 2002  
Christy Myrick, Ph.D., Pathology, Immunology, & Lab. Med., Sep. 1993 - Aug. 1996  
Traci Ness, Ph.D., Molecular Genetics & Microbiology, Oct. 1996 - April 2001  
Faruk Pehlivanoglu, Ph.D., Dairy & Poultry Science, Coll. Agric., May 1999 - Dec. 2002  
Morgan Peltier, Ph.D., Dairy & Poultry Science, College of Agric., July 1997 - Dec. 1999  
Elena Perez, M.D./Ph.D., Pathology, Immunology, & Lab. Med., Aug. 1995 - May 1998  
Qingguo Ruan, Ph.D., Medical Sciences (Genetics), Aug. 2000 - Aug. 2004  
Ramelle Ruff, M.S., Pathology, Immunology, & Lab. Medicine, Apr. 1994 - Dec. 1995  
Baodong Sheng, Ph.D., Pathology, Immunology, & Lab. Medicine, July 1992 - Dec. 1995  
Patricia R. Slev, Ph.D., Pathology, Immunology, & Lab. Med., Mar. 1994 - Dec. 1996

Saban Tekin, Ph.D., Dairy & Poultry Science, College of Agric., Jan. 1998 - May 2002

Michael Wiggins, M.S., Pathology, Immunology, & Lab. Med., July 1996 - Aug. 1998

## PEER REVIEWED PUBLICATIONS

1. McCormack, W.T. & K.H. Roux. 1982. Monoclonal antibodies specific for the b5 allotype of rabbit kappa light chains. *Hybridoma* 2:97-107.
2. Roux, K.H., W.T. McCormack & P. Dhanarajan. 1985. A reevaluation of rabbit anti-allotype antibody for the presence of cross-reactive idiotypes. I. A species-specific idiootype on rabbit anti-a1 antibody is recognized by guinea pig anti-IdX antibody. *J. Immunol.* 135:1961-1966.
3. Roux, K.H., W.T. McCormack & P. Dhanarajan. 1985. A reevaluation of rabbit anti-allotype antibody for the presence of cross-reactive idiotypes. II. Expression of rabbit a1-like images on goat antibody after immunization with anti-a1 antibody. *J. Immunol.* 135:1967-1974.
4. McCormack, W.T., S.M. Laster, W.F. Marzluff & K.H. Roux. 1985. Dynamic gene interactions in the evolution of rabbit VH genes: a four codon duplication and block homologies provide evidence for intergenic exchange. *Nucleic Acids Res.* 13:7041-7054.
5. McCormack, W.T., P. Dhanarajan & Roux, K.H. 1988. Comparison of latent and nominal rabbit Ig VHa1 allotype cDNA sequences. *J. Immunol.* 141:2063-2071.
6. McCormack, W.T., L.W. Tjoelker, L.M. Carlson, B. Petryniak, C.F. Barth, E.H. Humphries & C.B. Thompson. 1989. Chicken IgL gene rearrangement involves deletion of a circular episome and addition of single nonrandom nucleotides to both coding ends. *Cell* 56:785-791.
7. McCormack, W.T., L.W. Tjoelker, C.F. Barth, L.M. Carlson, B. Petryniak, E.H. Humphries & C.B. Thompson. 1989. Selection for B cells with productive IgL gene rearrangements occurs in the bursa of Fabricius during chicken embryonic development. *Genes Dev.* 3:838-847.
8. McCormack, W.T., L.M. Carlson, L.W. Tjoelker & C.B. Thompson. 1989. Evolutionary comparison of the avian IgL locus: Combinatorial diversity plays a role in the generation of the antibody repertoire in some avian species. *Internatl. Immunol.* 1:332-341.
9. Petryniak, B., L.M. Staudt, C.E. Postema, W.T. McCormack & C.B. Thompson. 1990. Characterization of chicken octamer-binding proteins demonstrates that POU-containing homeotic transcription factors have been highly conserved during vertebrate evolution. *Proc. Natl. Acad. Sci. USA* 87: 1099-1103.
10. Carlson, L.M., W.T. McCormack, C.E. Postema, C.F. Barth, E.H. Humphries & C.B. Thompson. 1990. Templated insertions in the rearranged chicken IgL V gene segment arise by intrachromosomal gene conversion. *Genes Dev.* 4:536-547.
11. McCormack, W.T. & C.B. Thompson. 1990. Chicken IgL variable region gene conversions display pseudogene donor preference and 5' to 3' polarity. *Genes Dev.* 4:548-558.
12. Tjoelker, L.W., L.M. Carlson, K. Lee, J. Lahti, W.T. McCormack, J.M. Leiden, C.H. Chen, M.D. Cooper & C.B. Thompson. 1990. Evolutionary conservation of antigen recognition: The chicken T cell receptor  $\beta$  chain. *Proc. Natl. Acad. Sci. USA* 87: 7856-7860.
13. Roux, K.H., P. Dhanarajan, V. Gottschalk, W.T. McCormack & R. Renshaw. 1991. Latent a1 VH germline genes in an a2a2 rabbit: Evidence for gene conversion at both the germline and somatic levels. *J. Immunol.* 146:2027-2036.
14. Carlson, L.M., M.A. Oettinger, D.C. Schatz, E.L. Masteller, E.A. Hurley, W.T. McCormack, D. Baltimore & C.B. Thompson. 1991. Selective expression of RAG-2 in chicken B cells undergoing immunoglobulin gene conversion. *Cell* 64:201-208.
15. Turka, L.A., D.G. Schatz, M.A. Oettinger, J.J.M. Chun, C. Gorka, K. Lee, W.T. McCormack & C.B. Thompson. 1991. Thymocyte expression of RAG-1 and RAG-2: Termination by T cell receptor cross-linking. *Science* 253:778-781.
16. McCormack, W.T., L.W. Tjoelker, G. Stella, C.E. Postema & C.B. Thompson. 1991. Chicken

- T-cell receptor  $\beta$ -chain diversity: An evolutionarily conserved D $\beta$ -encoded glycine turn within the hypervariable CDR3 domain. Proc. Natl. Acad. Sci. USA 88:7699-7703.
17. McCormack, W.T., E.A. Hurley & C.B. Thompson. 1993. Germline maintenance of the pseudogene donor pool for somatic immunoglobulin gene conversion in chickens. Mol. Cell. Biol. 13:821-830.
  18. Fuschioti, P., N. Harindranath, R.G. Mage, W.T. McCormack, P. Dhanarajan, & K.H. Roux. 1993. Recombination activating genes-1 and -2 of the rabbit: Cloning and characterization of germline and expressed genes. Mol. Immunol. 30:1021-1032.
  19. McCormack, W.T., M. Liu, C. Postema, C.B. Thompson & L.A. Turka. 1993. Excision products of TCR V $\alpha$  recombination contain in-frame rearrangements: Evidence for continued V(D)J recombination in TCR<sup>+</sup> thymocytes. Internatl. Immunol. 5:801-804.
  20. Pickel, J.M., W.T. McCormack, C.H. Chen, M.D. Cooper, & C.B. Thompson. 1993. Differential regulation of V(D)J recombination during development of avian B and T cells. Internatl. Immunol. 5:919-927.
  21. Six, A., J.P. Rast, W.T. McCormack, D. Dunon, D. Courtois, Y. Li, C.H. Chen, & M.D. Cooper. 1996. Characterization of avian T cell receptor  $\gamma$  genes. Proc. Natl. Acad. Sci. USA 93:15329-15334.
  22. Sanchez-Garcia, F.J., W.W. Aller, & W.T. McCormack. 1997. Impaired calcium mobilization and differential tyrosine phosphorylation in intestinal intraepithelial lymphocytes. Immunology 91:81-87.
  23. Davis, J.A., E. Peen, R.C. Williams, Jr., S. Perkins, C.C. Malone, W.T. McCormack, E. Csernok, W.L. Gross, A.S. Kolaskar, & U. Kulkarni-Kale. 1998. Determination of primary amino acid sequence and unique three dimensional structure of WGH1, a monoclonal human IgM antibody with anti-PR3 specificity. Clin. Immunol. Immunopathol. 89:35-43.
  24. Rossi, D., J. Sanchez-Garcia, W.T. McCormack, J.F. Bazan, & A. Zlotnik. 1999. Identification of a chicken "C" chemokine related to lymphotactin. J. Leukocyte Biol. 65:87-93.
  25. Sheng, B., W.T. McCormack, & R.T. Smith. 1999. Purified donor T cells alone activate transplantation immunity to the male antigen but induce tolerance in combination with Mac-1<sup>+</sup> donor cells. Transplantation 68:1024-1029.
  26. Khan, S.R., K.A. Byer, S. Thamilselvan, R.L. Hackett, W.T. McCormack, N.A. Benson, K.L. Vaughn, & G.N. Erdos. 1999. Crystal-cell interaction and apoptosis in oxalate-associated injury of renal epithelial cells. J. Am. Soc. Nephrology 10:S457-463.
  27. Kou, Z.C., J.S. Puhr, M. Rojas, W.T. McCormack, M.M. Goodenow, & J.W. Sleasman. 2000. T-cell receptor V $\beta$  repertoire CDR3 length diversity differs within CD45RA and CD45RO T-cell subsets in healthy and human immunodeficiency virus-infected children. Clin. Diag. Lab. Immunol. 7:953-959.
  28. Moore, J.B., R.K. Blanchard, W.T. McCormack, & R.J. Cousins. 2002. Moderate murine zinc deficiency alters specific mRNA abundances in the thymus prior to changes in CD4/CD8/CD3 T-lymphocyte populations. J. Nutrition 131:3189-3196.
  29. Casp, C.B., J.X. She, & W.T. McCormack. 2002. Genetic association of the catalase gene (*CAT*) with vitiligo susceptibility. Pigment Cell Res. 15:62-66.
  30. Casp, C.B., J.X. She & W.T. McCormack. 2003. Genes of the *TAP/LMP* cluster are associated with the human autoimmune disease vitiligo. Genes & Immunity 4:492-499
  31. McCormack, W.T., C. Lazarus, D. Stern, C.B. Stevens, P.A. Small, Jr. 2007. Peer nomination identifies medical student exemplars in clinical competence and caring at three medical schools. Academic Medicine 82(11):1033-9.

**BOOK CHAPTERS AND MONOGRAPHS**

1. McCormack, W.T. & C.B. Thompson. 1990. Somatic diversification of the chicken immunoglobulin light chain gene. Immunol. Rev. 48:41-67.
2. McCormack, W.T., L.W. Tjoelker & C.B. Thompson. 1991. Avian B cell development: Generation of an immunoglobulin repertoire by gene conversion. Annu. Rev. Immunol. 9:219-241.
3. McCormack, W.T., L.W. Tjoelker & C.B. Thompson. 1993. Immunoglobulin gene diversification by gene conversion. Prog. Nucl. Acids Res. Mol. Biol. 45:27-45.
4. McCormack, W.T. & C.B. Thompson. 1993. Special features of the development of the chicken humoral immune system. Res. Immunol. 144:467-476.
5. Sanchez-Garcia, F.J. & W.T. McCormack. 1995. Chicken  $\gamma\delta$  T cells. Curr. Topics Microbiol. Immunol. 212:53-67.
6. McCormack, W.T. 1998. Avian Immunology - T Cell Receptors. In: Vertebrate Immunology, Eds. P. Pastoret, H. Bazin, A. Govaerts, P. Griebel, Academic Press Limited, London, pp. 73-136.

**MANUSCRIPTS SUBMITTED OR IN PREPARATION**

1. McCormack, W.T., C. Garvan. Use of team-based learning in biomedical science graduate education improves student engagement and performance. (in preparation)
2. McCormack, W.T., C. Garvan. Use of team-based learning in teaching responsible conduct of research to first-year biomedical science graduate students. (in preparation)

**PUBLISHED ABSTRACTS AND SHORT REPORTS**

1. McCormack, W.T. & K.H. Roux. 1982. Monoclonal antibodies specific for rabbit light chains bearing the b5 allotype. Fed. Proc. 41:595.
2. McCormack, W.T. & K.H. Roux. 1984. Analysis of the rabbit anti-a1 IdX using heterologous anti-Id antibodies. Fed. Proc. 43:1742.
3. Laster, S.M., W.T. McCormack, W.F. Marzluff & K.H. Roux. 1985. Nucleotide sequence analysis and evolutionary significance of VH genes of the rabbit VHIII subgroup. ICSU Short Reports - Adv. Gene Technol. 2:219-220.
4. Roux, K.H., W.T. McCormack & P. Dhanarajan. 1985. Unexpected species-specific differences in the immune response to the cross-reactive idiotype on rabbit anti-allotype antibody. ICSU Short Reports - Adv. Gene Technol. 2:279-280.
5. McCormack, W.T., K.H. Roux & P. Dhanarajan. 1987. Limited polymorphism of rabbit VH genes detected with mouse VH subgroup probes. Fed Proc. 46:489.
6. McCormack, W.T. & K.H. Roux. 1988. Rabbit latent VH $\alpha$ 1 allotype sequences: Comparison of amino acid and cDNA sequences. J. Cell. Biochem. suppl. 12B:99.
7. McCormack, W.T., L.M. Carlson, L.W. Tjoelker & C.B. Thompson. 1989. Avian immunoglobulin light chain gene organization and rearrangement in the bursa. J. Cell. Biochem. suppl. 13C:71.
8. Tjoelker, L.W., W.T. McCormack, L.M. Carlson & C.B. Thompson. 1989. Evolutionary comparison of the avian IgL locus. Abstracts/7th Intl. Congress of Immunol.: Berlin (West). Gustav Fischer Verlag, Stuttgart. p. 13.
9. McCormack, W.T., L.W. Tjoelker, L.M. Carlson, B. Petryniak & C.B. Thompson. 1989. Bursal selection of the productively rearranged IgL genes during chicken development.

- Abstracts / 7th Intl. Congress of Immunology: Berlin (West). Gustav Fischer Verlag, Stuttgart. p. 186.
10. McCormack, W.T., L.M. Carlson, C.E. Postema, C.F. Barth, E.H. Humphries & C.B. Thompson. 1990. Somatic hyperconversion of the chicken immunoglobulin VL gene segment in the bursa of Fabricius occurs by intrachromosomal gene conversion. ICSU Short Reports - Adv. Gene Technol. 10:15.
  11. McCormack, W.T. & C.B. Thompson. 1990. Generation of diversity in the chicken IgL variable region by gene conversion - A molecular model. J. Cell. Biochem. suppl. 14D:242.
  12. Tjoelker, L.W., L.M. Carlson, W.T. McCormack & C.B. Thompson. 1990. Cloning and characterization of the avian T cell receptor  $\beta$  gene locus. FASEB J. 4:231.
  13. McCormack, W.T. & C.B. Thompson. 1991. Meiotic gene conversion in chickens and its implications for the introduction of foreign DNA into the avian germline by homologous recombination. J. Cell. Biochem. suppl. 15E:207.
  14. Pickel, J.M., W.T. McCormack, C.H. Chen, C.B. Thompson & M.D. Cooper. 1991. Immunoglobulin gene rearrangement and B lineage marker expression in avian embryos. FASEB J. 5(4): A604.
  15. Masteller, E.L., M.A. Oettinger, D.G. Schatz, L.M. Carlson, E.A. Hurley, W.T. McCormack, D. Baltimore & C.B. Thompson. 1991. Expression of the recombination activating genes RAG-1 and RAG-2 during avian B cell development. FASEB J. 5(5):A1380.
  16. Roux, K.H., G. Ray, & W.T. McCormack. 1993. Expression of RAG-1 and RAG-2 mRNA in rabbit lymphoid tissue. J. Cell. Biochem. suppl. 17B:234.
  17. Sanchez-Garcia, F.J., Six, A., Jacono, C.C., Aller, W.W., Cooper, M.D., Chen, C.H., & McCormack, W.T. 1995. Repertoire analysis of chicken gamma/delta (TCR1) T cells. 9th Int'l Congress of Immunology. Abstr. 1481.
  18. McCormack, W.T. & F.J. Sanchez-Garcia. 1996. Calcium mobilization and tyrosine phosphorylation in intestinal intraepithelial lymphocytes. Abstracts - Keystone Symposia - Lymphocyte Activation, Abstr. 1071, p. 53.
  19. Aller, W., F.J. Sanchez-Garcia, & W.T. McCormack. 1996. Calcium mobilization and tyrosine phosphorylation in avian & murine intestinal intraepithelial lymphocytes. FASEB J. 10(6):A1448.
  20. Leung, E., L. Utley, V. Ramiya, J.R. Smyth, Jr., & W.T. McCormack. 1996. Molecular pathogenesis of amelanosis in the Smyth line chicken, a model of human vitiligo. FASEB J. 10(6):A1316.
  21. Sanchez-Garcia, F.J., W. Aller, & W.T. McCormack. 1996. Rescue from apoptosis in bursa B cells by soluble T cell factor(s). FASEB J. 10(6):A1207.
  22. Kristensen, D., C.A. Bradley, M. Hao, S. Perkins, W.T. McCormack. 2000. Case/control association study of candidate genes for vitiligo susceptibility: tyrosine metabolism and immune response genes. 52<sup>nd</sup> Annual Meeting & Clin. Lab. Expo., Amer. Acad. Clin. Chem.
  23. Bradley, C.A., D. Kristensen, M. Hao, S. Perkins, M. Marron, J.X. She, W.T. McCormack. Case/control association study of immune response genes and vitiligo susceptibility. 2000. FASEB J. 14(6):A1109.
  24. Bradley, C.A., D. Kristensen, J.X. She, W.T. McCormack. 2001. Genetic association studies of immune response genes and vitiligo susceptibility. FASEB J. 15(4):A323.
  25. McCormack, W.T., Bradley, C.A., D. Kristensen, J.X. She. 2001. Genetics of vitiligo susceptibility: Association studies of immune response genes. Pigment Cell Res. 14(3):231.
  26. Casp, C.B., S.A. Litherland, J.-X. She, W.T. McCormack. 2002. Antigen processing and presentation genes in vitiligo susceptibility. FASEB J. 16(5):A1219.

## INVITED LECTURES AND PRESENTATIONS

- Cold Spring Harbor Laboratory Meeting: Intermediates in Genetic Recombination. "Ig $\lambda$  V-J gene rearrangement in chicken bursal lymphocytes." September 1988.
- 7th International Congress of Immunology Workshop: Microenvironments and Cell Interactions in the Ontogeny of B Cells. "Bursal selection of productively rearranged IgL genes during chicken development." August 1989.
- University of Toronto Immunology Department Seminar. "The mechanism of somatic diversification of the chicken immunoglobulin light chain gene is intrachromosomal gene conversion." November 1989.
- Florida State University Department of Biological Science, Genetics and Cell Biology Seminar. "Somatic diversification of chicken immunoglobulin genes by gene conversion." January 1990.
- National Institutes of Health, National Institute of Allergy & Infectious Diseases, Bethesda, MD. "Generation of somatic antibody diversity by gene conversion." March 1991.
- U.S.D.A. Avian Disease and Oncology Laboratory, East Lansing, MI. "Generation of somatic diversity in chicken B cells." April 1991.
- U.F. Center for Mammalian Genetics, College of Medicine. "How do I find the chicken T-cell receptor gamma and delta genes?" November, 1991.
- U.F. Division of Clinical Immunology, Rheumatology & Allergy, Dept. of Medicine, College of Medicine. "Gene conversion in B lymphocytes." Spring, 1992.
- U.F. Center for Mammalian Genetics, College of Medicine. "Somatic gene conversion: regulation and function." April, 1994.
- U.F. Division of Clinical Immunology, Rheumatology & Allergy, Dept. of Medicine, College of Medicine. "Gamma/delta T cell function." Fall, 1994.
- International Workshop on Immunology & Developmental Biology of the Chicken, Basel Institute for Immunology, Basel, Switzerland. "Chicken gamma/delta T cells." December 1994. (was unable to attend due to family medical emergency)
- University of Alabama at Birmingham, Howard Hughes Medical Institute. "Chicken gamma/delta T cells." April 1995.
- U.F. Center for Mammalian Genetics, College of Medicine. "Genetics and function of  $\gamma\delta$  T cells." November, 1995.
- U.F. College of Agriculture, Institute for Food & Agricultural Science, Dept. of Dairy & Poultry Science. "The function of the bursa of Fabricius: A molecular immunologist's point of view." January 1996.
- U.F. Division of Clinical Immunology, Rheumatology & Allergy, Dept. of Medicine, College of Medicine. "Unique activation status of intraepithelial lymphocytes." October 1996.
- U.F. Center for Mammalian Genetics, College of Medicine. "Immunogenetics of vitiligo in the Smyth line chicken animal model." January, 1997.
- U.F. Division of Dermatology & Cutaneous Surgery, Dept. of Medicine, College of Medicine. "Immunogenetics of vitiligo." June 11, 1998.
- National Vitiligo Foundation Symposium 2000, San Francisco, CA. "Genetics of vitiligo susceptibility", March, 2000.
- American Vitiligo Research Foundation Symposium, Clearwater, FL. "Genetics of vitiligo susceptibility", April, 2001.
- AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, "Promoting Lifelong Learning From Ideas to Results", Charleston, SC. Poster Presentation "Simplifying Medical Student Summative Peer Evaluation of Clinical Competence", March, 2002.
- AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, "Promoting Lifelong Learning From Ideas to Results", Charleston, SC. Roundtable Discussion Organizer

- “Implementing Medical Student Peer Evaluation Programs”, March, 2002.
- American Vitiligo Research Foundation Symposium, Clearwater, FL. Invited Panel Discussion Member, April, 2002.
- The Gold Humanism Honor Society Workshop, New York, NY. “Peer review process - School-wide process and its use in selecting candidates for the GHHS chapter”, July 2002.
- AAMC Annual Meeting, Small Group Discussant, San Francisco, CA . “Peer Assessment In Undergraduate Medical Education: An Interesting Challenge”, November 2002.
- Arnold P. Gold Foundation Barriers Conference, New York, NY. “Can Peer Assessment Serve as a Tool to Provide Consistent Measures of Humanistic Qualities?”, January 2003.
- AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Competencies Across the Curricular Continuum”, Miami, FL. Poster Presentation “Use Of Peer Evaluation To Identify Exemplars Of Humanistic Behavior”, April 2003.
- American Vitiligo Research Foundation Symposium, Clearwater, FL. Invited Speaker and Panel Discussion Member, July, 2003.
- AAMC Annual Meeting, Washington, DC. Small Group Discussant, “Initiating A Humanism In Medicine Honor Society: Opportunity And Challenge”, November 2003.
- American Vitiligo Research Foundation Symposium, Clearwater, FL. Invited Speaker and Panel Discussion Member, “Vitiligo 101: What We Know & What We Don’t Know About the Causes of Vitiligo”, August, 2004.
- AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Closing the Loop: Integrating Curriculum, Competence and Feedback”, Winston-Salem, NC, Small Group Discussant, “Initiating a Humanism in Medicine Honor Society: Opportunity and Challenge”, April 2004.
- Office of Research Integrity Research Conference on Research Integrity, Tampa, FL, Invited Poster and Session Chair, “Use of Team-Based Learning in Teaching Responsible Conduct of Research to First-Year Biomedical Science Graduate Students”, December 2006.
- AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Launching Changes in Medical Education”, Louisville, KY. Poster Presentation “Use of Team-Based Learning in Graduate Education for Ph.D. Students in the Biomedical Sciences”, April 2007.
- American Vitiligo Research Foundation Symposium, Clearwater, FL. Invited Speaker and Facilitator, “Envisioning the Future of the American Vitiligo Research Foundation”, June 2007.
- AAMC Graduate Research, Education and Training (GREAT) Group Annual Meeting, Providence, RI, Platform Presentation, “Interdisciplinary Program (IDP) in Biomedical Sciences”, 5-Minute Talk, “Use of Team-Based Learning in Graduate Education for Ph.D. Students in the Biomedical Sciences”, Breakout Session Organizer, October 2007.
- AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Medical Education: Balancing Learning Strategies and Technologies”, Nashville, TN. Workshop Presentation “Peer Review of Teaching Study: Designing, Implementing, and Evaluating a National Faculty Development Program to Peer Review Teaching Based on an Observation and Feedback Process”, April 2008.
- International Association of Medical Science Educators (IAMSE) Annual Meeting, Salt Lake City, UT, "Use of Team-Based Learning in Graduate Education in the Biomedical Sciences", Poster and Workshop presentation, July 2008.

## **OTHER MEDICAL EDUCATION ACTIVITIES**

- AAMC GREAT Group Annual Conference, “The Biomedical PhD: Taking Stock of the Degree and the Profession”, October 2000, Savannah, GA
- AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Promoting Lifelong

Learning From Ideas to Results”, March 2002, Charleston, SC (Poster Presentation, Roundtable Discussion Organizer)

AAMC GREAT Group Annual Conference, “The Interdisciplinary Nature of the Biomedical Sciences”, April 2002, Westminster, CO

AAMC Annual Meeting, November 2002, San Francisco, CA (Small Group Discussant)

AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Competencies Across the Curricular Continuum”, April 2003, Miami, FL (Poster Presentation)

AAMC GREAT Group Annual Conference, “GREAT Visions of the Future of Biomedical Research Education and Training”, April 2003, Montreal, Quebec, Canada (Program Committee, Attendee)

AAMC Annual Meeting, November 2003, Washington, DC (Small Group Discussant)

AAMC GREAT Group Annual Conference, “Implementing a GREAT Vision for Biomedical Education”, April 2004, Austin, TX (Program Committee, Panel Discussion)

AAMC Annual Meeting, November 2004, Boston, MA

AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Closing the Loop: Integrating Curriculum, Competence and Feedback”, April 2004, Winston-Salem, NC (Small Group Discussant)

AAMC GREAT Group Annual Conference, “The Future of the Biomedical Science Workforce”, October 2005, Ft. Myers, FL

AAMC Annual Meeting, November 2005, Washington, DC

AAMC GREAT Group Annual Conference, “Redefining Research Training”, October 2006, Tucson, AZ (Attendee)

AAMC Annual Meeting, November 2006, Seattle, WA

AAMC GREAT Group Annual Conference, “Meeting the Challenge”, October 2007, Providence, RI (Program Committee, Presenter, Panel Discussion)

AAMC Annual Meeting, November 2007, Washington, DC

AAMC Southern Group on Educational Affairs (SGEA) Annual Meeting, “Medical Education: Balancing Learning Strategies and Technologies”, Nashville, TN, April 2008.

International Association of Medical Science Educators Annual Meeting, Salt Lake City, UT, July 2008.

## **CURRENT GRANT SUPPORT**

American Vitiligo Research Foundation, 6/1/07 - 5/31/09, \$100,000. “The Role of Genetics in Vitiligo Susceptibility” Role: Co-P.I. (P.I.: Margaret R. Wallace, Ph.D.)

## **PAST GRANT SUPPORT**

American Cancer Society, Florida Division, Inc., Knute Swanson Research Grant (No. F92UF-1), 6/1/92 - 12/31/93, \$20,000. “Gene conversion in B cell lymphomas”

University of Florida Division of Sponsored Research, Research Development Award (No. RDA 1-47 91-92), 5/1/92 - 4/31/94, \$20,000. “Generation of immunoglobulin gene diversity by somatic gene conversion”

University of Florida Division of Sponsored Research, New Faculty Award (No. DSR-D-18 91-92), 6/2/92 - 6/1/94, \$10,000. “Molecular genetics of chicken  $\gamma\delta$  T cells - Preliminary data”

U.S.D.A. National Research Initiative Competitive Grants Program (No. 92-37204-7835), 9/1/92 - 8/31/96, \$200,000 (\$175,439 direct costs). “Chicken T cell receptor  $\beta$  genes and disease

resistance”

- National Vitiligo Foundation, Inc., 1/1/98 - 12/31/98, \$30,000. “Genetics of vitiligo susceptibility in humans and the Smyth line chicken” (Role: P.I.)
- U.S. Poultry and Egg Association, 11/1/97 - 10/31/99, \$32,000. “Dietary fatty acids and chick quality” (Role: Investigator; PI: Richard D. Miles, Ph.D., Dept. of Dairy & Poultry Science)
- National Institutes of Health (R29), 12/1/93 - 11/30/99, \$507,339 (\$349,889 direct costs). “Gamma/delta T cells in intestine & skin immunity” (Role: P.I.)
- National Vitiligo Foundation, 1/1/99 - 12/31/99, \$30,000. “Genetics of vitiligo susceptibility” (Role: P.I.)
- National Vitiligo Foundation, 1/1/00 - 12/31/00, \$30,000. “Differential Gene Expression in Vitiligo Melanocytes and Lymphocytes” (Role: P.I.)
- National Vitiligo Foundation, 1/1/01 - 12/31/01, \$30,000. “The Role of LMP7 and Antigen Processing in Vitiligo Susceptibility” (Role: P.I.)
- Howard Hughes Medical Institute, 1/1/01 - 12/31/03, \$18,000. “Visiting Scholars Program” (Role: P.I.)
- American Vitiligo Research Foundation, 4/1/02 - 3/31/03, \$10,000. “The Role of the CAT Gene in Vitiligo Susceptibility” (Role: P.I.)
- Arnold P. Gold Foundation, 2/1/03 – 7/30/03, \$3,000. “Chapman Chapter of the Gold Humanism Honor Society” (Role: P.I.)
- American Vitiligo Research Foundation, 3/1/03 - 2/28/04, \$17,000. “The Role of the CAT Gene in Vitiligo Susceptibility” (Role: P.I.)
- Arnold P. Gold Foundation, 1/6/04 – 4/30/04, \$1,700. “Bridging the Health Care Divide through the History of the Patient-Physician Relationship” (Role: Co-P.I.)
- National Board of Medical Examiners, 6/1/04 - 5/31/05. “Towards Assessing Professional Behaviors of Medical Students through Peer Observations: A Multi-institutional Study”. Role: Investigator. (P.I: Louise Arnold, Ph.D., Univ. Missouri at Kansas City)
- American Vitiligo Research Foundation, 6/1/06 - 5/31/07, \$50,000. “The Role of Genetics in Vitiligo Susceptibility” Role: Co-P.I. (P.I.: Margaret R. Wallace, Ph.D.)
- Arnold P. Gold Foundation, 7/1/01 – 6/30/08, \$5,000. “Evaluation of Peer Rankings of Professional Competence by UF Medical Students”. Role: P.I.

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