

BIOGRAPHICAL SKETCH

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NAME Wayne T. McCormack		POSITION TITLE	
eRA COMMONS USER NAME mccormac		Associate Dean for Graduate Education; Assoc. Prof. of Pathology, Immunology & Lab. Medicine	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Creighton Univ., Omaha, NE	B.S.	1976-1979	Biology
Florida State Univ., Tallahassee, FL	M.S., Ph.D.	1980-1987	Genetics & Cell Biology
Univ. Michigan, Ann Arbor, MI	Postdoc.	1987-1991	Immunogenetics

A. Positions and Honors.**Positions and Employment**

11/87-3/89 Research Associate, Howard Hughes Med. Inst., Univ. Michigan Medical School, Ann Arbor, MI
 3/89-7/91 Postdoctoral Fellow, Dept. Internal Medicine, Univ., Michigan Medical School, Ann Arbor, MI
 7/91-6/97 Assistant Professor, Dept. Pathology, Immunology & Lab. Med., Univ. Florida Coll. of Medicine
 6/97-date Associate Professor, Dept. Pathology, Immunology & Lab. Med., Univ. Florida Coll. of Medicine
 9/01-date Associate Dean for Graduate Education, Univ. Florida College of Medicine

Other Experience and Professional Memberships

1986-date American Association for the Advancement of Science
 1989-date American Association of Immunologists
 1993-date Ad hoc reviewer: Nucl. Acids Res., Int. Immunol., Immunogenetics, J. Invest. Dermatol., Arch. Dermatol. Res.
 1994-1999 Ad hoc reviewer: NIH Allergy & Immunology Study Section; USDA Natl. Res. Initiative; NSF Integrative Animal Biology Program; NSF Signal Transduction & Regulation Program
 1997-date Primary Reviewer Pool - Journal of Immunology
 2001-date American Association of Medical Colleges (AAMC): Graduate Research, Education, & Training (GREAT) Group and Group on Educational Affairs (GEA)
 2003-2004 Review Panel: NIH Centers of Biomedical Research Excellence (COBRE)

Honors

1976-1979 Academic Scholarships, Creighton University
 1985 Sigma Xi Grant-in-Aid of Research
 1989 Amer. Assoc. Immunologists Travel Award, 7th Int'l Congress of Immunology
 1992 New Faculty Award & Research Development Award, UF Division of Sponsored Research
 2001,2005 "Golden Apple" Department Medical Student Teaching Award
 2002 Innovation & Research in Medical Education Award, UF College of Medicine
 2003 Society of Teaching Scholars, UF College of Medicine

B. Selected peer-reviewed publications (in chronological order).

(Publications selected from 30 peer-reviewed publications)

- McCormack, W.T. & K.H. Roux. 1982. Monoclonal antibodies specific for the b5 allotype of rabbit kappa light chains. Hybridoma 2:97-107.
- 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.

3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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 β chain. *Proc. Natl. Acad. Sci. USA* 87: 7856-7860.
11. 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.
12. 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.
13. 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.
14. McCormack, W.T., L.W. Tjoelker, G. Stella, C.E. Postema & C.B. Thompson. 1991. Chicken T-cell receptor β -chain diversity: An evolutionarily conserved D β -encoded glycine turn within the hypervariable CDR3 domain. *Proc. Natl. Acad. Sci. USA* 88:7699-7703.
15. 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.
16. McCormack, W.T., M. Liu, C. Postema, C.B. Thompson & L.A. Turka. 1993. Excision products of TCR V α recombination contain in-frame rearrangements: Evidence for continued V(D)J recombination in TCR⁺ thymocytes. *Internatl. Immunol.* 5:801-804.
17. 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 γ genes. *Proc. Natl. Acad. Sci. USA* 93:15329-15334.
18. 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.
19. 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.
20. Kou, Z.C., J.S. Puhr, M. Rojas, W.T. McCormack, M.M. Goodenow, & J.W. Sleasman. 2000. T-cell receptor V β 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.
21. 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.
22. 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.

C. Research Support

Ongoing Research Support

Arnold P. Gold Foundation

7/1/01 – 6/30/06

Evaluation of Peer Rankings of Professional Competence by UF Medical Students

The goal of this project is to simplify methods used to analyze peer nomination data, and to develop a peer assessment tool to assess clinical competence, interpersonal skills, and humanism.

Role: Principal Investigator

Completed Research Support

Howard Hughes Medical Institute

1/1/01 - 12/31/03

Visiting Scholars Program

This project funded outside speakers for the research seminar program for our college's Ph.D. program, the Interdisciplinary Program (IDP) in Biomedical Sciences.

Role: Principal Investigator

American Vitiligo Research Foundation 4/1/02 - 2/28/04

The Role of the CAT Gene in Vitiligo Susceptibility

The goal of this project was to perform genetic association studies on the catalase gene to determine whether it is a susceptibility gene for vitiligo.

Role: Principal Investigator

Arnold P. Gold Foundation

2/1/03 – 7/30/03

Chapman Chapter of the Gold Humanism Honor Society

This project provided initial set-up expenses to initiate a chapter of the Gold Humanism Honor Society.

Role: Principal Investigator

Arnold P. Gold Foundation

1/6/04 – 4/30/04

Bridging the Health Care Divide through the History of the Patient-Physician Relationship

The pilot project covered expenses for a medical student service project for our chapter of the Gold Humanism Honor Society. The project involved high school students from under-represented groups who were interested in careers in medicine and/or biomedical science.

Role: Co-Principal Investigator

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

The goal of this project is to study attitudes of medical students towards the use of peer assessment during medical education.

Role: Investigator (P.I: Louise Arnold, Ph.D., Univ. Missouri at Kansas City)