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EDUCATION

- 2003-2004: Bioinformatics Capstone Certificate Program at University of Wisconsin--Madison
- 1994-2002: Ph.D.--Molecular and Cellular Biology program at University of Wisconsin—Madison
“Characterizing oncogenic Ras effectors in a rat mammary gland model.” © Daniel R. McFarlin 2002.
- 1988-1992: B.S.--Molecular Biology, University of Wisconsin--Madison
B.S.--Biochemistry, University of Wisconsin--Madison

FELLOWSHIPS

- 2004-2005: Genomic Science Training Grant Post-doctoral Fellowship
- 2002-2004: Computation and Informatics in Biology and Medicine Training Grant Post-doctoral Fellowship
- 1998-2001: US Army Material Command Breast Cancer Research Project Pre-doctoral Fellowship
- 1996-1997: Molecular Biosciences Training Grant Pre-doctoral Fellowship

PUBLICATIONS (Reviewed/Refereed)

- McFarlin, D. R. and Gould, M. N. (2003) Rat mammary carcinogenesis induced by *in situ* expression of constitutive Raf kinase activity is prevented by tethering Raf to the plasma membrane. *Carcinogenesis*, 24(6):1149-53. Epub 2003 Mar 28.
- McFarlin, D. R., Lindstrom M. J., Gould M. N. (2003) Affinity with Raf is sufficient for Ras to efficiently induce rat mammary carcinomas. *Carcinogenesis*, 24(1):99-105.
- McFarlin, D. R., Lehn, D. A., Moran, S. M., MacDonald, M. J., and Epstein, M. L. (1995) Sequence of a cDNA encoding chicken vasoactive intestinal peptide (VIP). *Gene*, 154: 211-213.
- Epstein, M. L., Mikawa, T., Brown, A. M. C., and McFarlin, D. R. (1994) Mapping the origin of the avian enteric nervous system with a retroviral marker. *Developmental Dynamics*, 201: 236-244.

EMPLOYMENT HISTORY

- 2002-current: Associate Research Specialist with Dr. C. David Page at University of Wisconsin--Madison Medical School, Biostatistics and Medical Informatics department.
- 1994-2002: Research Assistant earning a Ph.D. in 2002, Molecular and Cellular Biology Ph.D. program. Research performed in Michael N. Gould's lab at University of Wisconsin--Madison, Oncology department.
- 1995: Teaching Assistant/Project Assistant to Professor Bill Sugden and Professor Bill McClain for "General Virology--Multiplication Of Viruses," Oncology/Bacteriology 640, at University of Wisconsin--Madison.
- 1992-1994: Assistant Research Specialist to Dr. Miles Epstein at University of Wisconsin--Madison Medical School, Anatomy department.
- 1988-1989: Lab assistant to Dr. Miles Epstein at University of Wisconsin--Madison Medical School, Anatomy department.

ADDITIONAL PUBLICATIONS

- McFarlin, D.R., (2003) "A Mathematical Model of Ras Protein Signal Transduction Suggests Maximum Ras Activation Occurs After the Concentration of Guanine Nucleotide Dissociation Stimulator (SOS) Starts To Decline." Presented abstract at *Computation and Informatics in Biology and Medicine Training Program Retreat*.
- McFarlin, D.R., (2002) "Knowledge-Based Potential assessments of Ras proteins suggest Ras effector region peptides have limited potential for inhibiting Ras induced carcinogenesis." Presented abstract at *Computation and Informatics in Biology and Medicine Training Program Retreat*.
- McFarlin, D.R., Kennan, W.S. and Gould M.N., (2000) "Rapid transformation of *in situ* mammary epithelial cells by Ras requires affinity for Raf." Presented abstract at *Era of Hope, Department of Defense Breast Cancer Research Program*, p.103.
- McFarlin, D.R., Kennan, W.S. and Gould M.N., (1999) "Ras signaling through Raf is more tumorigenic in rat mammary gland than Ras signaling through PI3K or RalGDS." Presented abstract at "*Genetics, Genomes, and Molecules*" symposium on the University of Wisconsin—Madison campus.
- McFarlin, D.R., Kennan, W.S. and Gould M.N., (1999) "Ras signaling through Raf is more tumorigenic in rat mammary gland than Ras signaling through PI3K or RalGDS." Presented abstract #2475 in *Proceedings of the American Association for Cancer Research*, vol.40, p.374.
- McFarlin, D.R., Thompson, T. A., and Gould M.N., (1998) "Ras signaling through Raf alone is not sufficient for mammary carcinogenesis." Presented abstract #254 in *Proceedings of the American Association for Cancer Research*, vol.39.
- Epstein, M. L., McFarlin, D. R., Mikawa, T., and Brown, A. M. C. (1993) Mapping the origin of enteric precursors with a recombinant retrovirus. Presented abstract at 23rd annual meeting of the *Society for Neuroscience*.