

Daniel R. McFarlin  
Madison, WI 53705  
Work: (608) 265-8612  
Home: (608) 277-7545  
drmcfarl@facstaff.wisc.edu

## EDUCATION

2002-2003: Computation and Informatics in Biology and Medicine Post-doctoral Fellowship.

1998-2001: US Army Material Command Pre-doctoral Fellowship

1996-1997: Molecular Biosciences Training Grant Pre-doctoral Fellowship

1994-2002: Molecular and Cellular Biology Ph.D. program at University of Wisconsin--Madison

1988-1992: B.S.--Molecular Biology, University of Wisconsin--Madison  
B.S.--Biochemistry, University of Wisconsin--Madison

## PUBLICATIONS

McFarlin D. R., and Gould, M. N. (2002) Rat mammary carcinogenesis induced by *in situ* expression of constitutive Raf kinase activity is prevented by tethering Raf to the plasma membrane. *Carcinogenesis*, In press.

McFarlin D. R., Lindstrom M. J., and Gould, M. N. (2002) Affinity with Raf is sufficient for Ras to efficiently induce rat mammary carcinomas. *Carcinogenesis*, In press.

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 - present: Associate researcher and CIBM Post-doctoral Fellow with C. David Page in Biostatistics and Medical Informatics, at University of Wisconsin--Madison.

**Responsibilities:** Computational analysis of Ras signaling pathways in cancer.

1994-2002: Awarded Ph.D. in 2002: research performed in Michael N. Gould's lab, Oncology department. Molecular and Cellular Biology Ph.D. program at University of Wisconsin--Madison.

**Responsibilities:** Design, construct, produce, concentrate & characterize numerous replication-defective retroviral expression vectors, mammalian retroviral cell culture, PCR, RT-PCR, RNA isolation, DNA sequencing, data analysis and presentation.

1995: Teaching Assistant/Project Assistant to Professor Bill Sugden and Professor Bill McClain for "General Virology--Multiplication Of Viruses," *Oncology/Bacteriology* 640.

**Responsibilities:** Lead review discussions, provide individual student assistance, and assist in grading exams.

1992-1994: Assistant Research Specialist to Dr. Miles Epstein at University of Wisconsin--Madison Medical School, Anatomy department.

**Responsibilities:** Lab manager, mammalian retroviral cell culture, cell line cryopreservation, retroviral concentration, micro-injection of retroviral concentrates, micro-dissection, RNA & DNA purification, cDNA library screening, DNA cloning, tissue embedding & sectioning, immuno-staining, data analysis, and maintaining supplies.

1988-1989: Lab assistant to Dr. Miles Epstein at University of Wisconsin--Madison Medical School, Anatomy department.

**Responsibilities:** Maintain stock solutions and tissue sectioning.