

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Maier, Tamara M	POSITION TITLE Postdoctoral Fellow		
eRA COMMONS USER NAME			
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
Ripon College, Ripon, WI	B.A.	1998	Biology, Chemistry
Medical College of Wisconsin, Milwaukee, WI	Ph.D.	2003	Pharmacology and Toxicology
Medical College of Wisconsin, Milwaukee, WI		2003	Bacterial Pathogenesis

Please refer to the application instructions in order to complete sections A, B, and C of the Biographical Sketch.

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

- 1998-2002      Research assistant (graduate student), Dept. of Pharmacology and Toxicology, Medical College of Wisconsin, Milwaukee, WI
- 2001            Adjunct Instructor, Pharmacology, Marquette University, Milwaukee, WI
- 2001-2002     Adjunct Instructor, Pharmacology, Carroll College, Waukesha, WI
- 2003-present   Postdoctoral fellow, Dept. of Microbiology and Molecular Genetics, Medical College of Wisconsin, Milwaukee, WI

**Other Experience and Professional Memberships**

- 2006            Cognitive and Practical Biosafety Training for Host-Pathogen Research (BSL3 laboratory practices)
- 2000-present   Member, American Society for Microbiology
- 1998-present   Phi Beta Kappa
- 1998-present   Laurel Society
- 1998-present   Beta Beta Beta Biological Society
- 1998-present   Eka Francian Honor Society in Chemistry

**Honors**

- 1998 Forest Stearns Award for Outstanding Student Presentation in the Sciences, Wisconsin Academy of Sciences, Arts, and Letters
- 2001 Outstanding Poster Presentation Award from the 11<sup>th</sup> Annual Graduate and Medical Student Research Poster Presentations, Medical College of Wisconsin

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

1. Light, D. B., **T. M. Mertins**, J. A. Belongia, and C. A. Witt. 1997. 5-lipoxygenase metabolites of arachidonic acid regulate volume decrease by mudpuppy red blood cells. *J. Membrane Biol.* 158:229–239.
2. **Maier, T. M.** and C. R. Myers. 2001. Isolation and characterization of a *Shewanella putrefaciens* MR-1 electron transport regulator *etrA* mutant: Reassessment of the role of EtrA. *J. Bacteriol.* 183:4918–4926.
3. **Maier, T. M.**, J. M. Myers, and C. R. Myers. 2003. Identification of the gene encoding the sole physiological fumarate reductase in *Shewanella oneidensis* MR-1. *J. Basic Microbiol.* 43:312–327.
4. **Maier, T. M.** and C. R. Myers. 2004 The outer membrane protein Omp35 affects the reduction of Fe(III), nitrate, and fumarate by *Shewanella oneidensis* MR-1. *BMC Microbiol.* 4:23.
5. **Maier, T. M.**, A. Havig, M. Casey, F. E. Nano, D. W. Frank, and T. C. Zahrt. 2004. Construction and characterization of a highly efficient *Francisella* shuttle plasmid. *Appl. Environ. Microbiol.* 70:7511–7519.
6. **Maier, T. M.**, R. Pechous, M. Casey, T. C. Zahrt, and D. W. Frank. *In vivo Himar1*-based transposon mutagenesis of *F. tularensis* LVS. *Appl. Environ. Microbiol.* 72:1878–1885.
7. **Maier, T. M.**, M. Casey, C. W. Dorsey, R. H. Becker, T. C. Zahrt, and D. W. Frank. 2007. Analysis of *Francisella* transposon mutants defective for replication in macrophages. In preparation.

**C. Research Support.****Ongoing Research Support - Active**

None

**Completed within last three years:**

GLRCE Postdoctoral Training Program Fellowship (9/1/04 – 8/31/06)  
NIH/NIAID Region V Great Lakes Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research  
Development of genetic tools and identification of virulence genes in *Francisella*  
Role: P.I.