

## Peer-reviewed publications

1. **Bartnikas TB**, Parker CC, Cheng R, Campagna DR, Lim JE, Palmer AA, Fleming MD. QTLs for murine red blood cell parameters in LG/J and SM/J F2 and advanced intercross lines. *Mamm Genome* 2012;23:356-66.
2. **Bartnikas TB**, Fleming MD. Hemojuvelin is essential for transferrin-dependent and – independent hepcidin expression in mice. *Haematologica* 2012;97:189-92.
3. Steinbicker AU, **Bartnikas TB**, Lohmeyer LK, Leyton P, Mayeur C, Kao SM, Pappas AE, Peterson RT, Bloch DB, Yu PB, Fleming MD, Bloch KD. Perturbation of hepcidin expression by BMP type I receptor deletion induces iron overload in mice. *Blood* 2011;118:4224-30.
4. **Bartnikas TB**, Andrews NC, Fleming MD. Transferrin is a major determinant of hepcidin expression in hypotransferrinemic mice. *Blood* 2011;117:630-7.
5. **Bartnikas TB**, Campagna DR, Antiochos B, Mulhern H, Pondarre C, Fleming MD. Characterization of mitochondrial ferritin-deficient mice. *Am J Hematol* 2010; 85:958-60.
6. Rooijackers SH, Rasmussen SL, McGillivray SM, **Bartnikas TB**, Mason AB, Friedlander AM, Nizet V. Human transferrin confers serum resistance against bacillus anthracis. *J Biol Chem* 2010; 285:27609-13.
7. Caruano-Yzermans AL, **Bartnikas TB**, Gitlin JD. Mechanisms of the copper-dependent turnover of the copper chaperone for superoxide dismutase. *J Biol Chem* 2006; 281:13581-7.
8. **Bartnikas TB**, Gitlin JD. Mechanisms of biosynthesis of mammalian copper/zinc superoxide dismutase. *J Biol Chem* 2003; 278:33602-8.
9. Subramaniam JR, Lyons WE, Liu J, **Bartnikas TB**, Rothstein J, Price DL, Cleveland DW, Gitlin JD, Wong PC. Mutant SOD1 causes motor neuron disease independent of copper chaperone-mediated copper loading. *Nat Neurosci* 2002; 5:301-7.
10. **Bartnikas TB**, Wang Y, Bobo T, Veselov A, Scholes CP, Shapleigh JP. Characterization of a member of the NnrR regulon in *Rhodobacter sphaeroides* 2.4.3 encoding a haem-copper protein. *Microbiology* 2002; 148:825-33.
11. McLoughlin DM, Standen CL, Lau KF, Ackerley S, **Bartnikas TB**, Gitlin JD, Miller CC. The neuronal adaptor protein X11alpha interacts with the copper chaperone for SOD1 and regulates SOD1 activity. *J Biol Chem* 2001; 276:9303-7.
12. **Bartnikas TB**, Waggoner DJ, Casareno RL, Gaedigk R, White RA, Gitlin JD. Chromosomal localization of CCS, the copper chaperone for Cu/Zn superoxide dismutase. *Mamm Genome* 2000; 11:409-11.
13. Waggoner DJ, Drisaldi B, **Bartnikas TB**, Casareno RL, Prohaska JR, Gitlin JD, Harris DA. Brain copper content and cuproenzyme activity do not vary with prion protein expression level. *J Biol Chem* 2000; 275:7455-8.
14. Wong PC, Waggoner D, Subramaniam JR, Tessarollo L, **Bartnikas TB**, Culotta VC, Price DL, Rothstein J, Gitlin JD. Copper chaperone for superoxide dismutase is essential to activate mammalian Cu/Zn superoxide dismutase. *Proc Natl Acad Sci USA* 2000; 97:2886-91.

15. **Bartnikas TB**, Tosques IE, Laratta WP, Shi J, Shapleigh JP. Characterization of the nitric oxide reductase-encoding region in *Rhodobacter sphaeroides* 2.4.3. *J Bacteriol* 1997; 179:3534-40.

#### **Non-peer-reviewed publications**

1. **Bartnikas TB**, Fleming MD, Schmidt PJ. Murine mutants in the study of systemic iron metabolism and its disorders: An update on recent advances. *Biochim Biophys Acta* 2012 Jan 28 (epub).
2. **Bartnikas TB**. Known and potential roles of transferrin in iron biology. *Biometals* 2012 Feb 1 (epub).
3. **Bartnikas TB**, Fleming MD. A tincture of hepcidin cures all: the potential for hepcidin therapeutics. *J Clin Invest* 2010; 120:4187-90.
4. **Bartnikas TB**, Gitlin JD. How to make a metalloprotein. *Nat Struct Biol* 2001; 8:733-4.
5. Waggoner DJ, **Bartnikas TB**, Gitlin JD. The role of copper in neurodegenerative disease. *Neurobiol Dis* 1999; 6:221-30.