

Central Washington University
Science Honors Program

Peer Reviewed Publications

Papers in press or published:

Skip R McCoy, Jennifer V Kuehl, Jeffrey L Boore and **Linda A Raubeson**. The complete plastid genome sequence of *Welwitschia mirabilis*: an unusually compact plastome with accelerated divergence rates. *BMC Evolutionary Biology* **2008**, 8:130, doi:10.1186/1471-2148-8-130.

Levente Fabry-Asztalos, Razvan Andonie, Catharine J. Collar, Sarah Abdul-Wahid, **Nicholas Salim**. "A Genetic Algorithm Optimized Fuzzy Neural Network Analysis of the Affinity of Inhibitors for HIV-1 Protease", *Bioorganic & Medicinal Chemistry*, **2008**, 2903-2911.

Ryan Atkins and **Anthony L. Diaz**. "Investigation of host-to-activator energy transfer and surface losses in SrY₂O₄:Eu³⁺ under VUV excitation" *Journal of Luminescence* 128 (**2008**) 1463 – 1470.

Andonie, R.; **Fabry-Asztalos, L.**; Abdul-Wahid, S.; Collar, C. J.; **Salim, N.** "An Integrated Soft Computing Approach for Predicting Biological Activity of Potential HIV-1 Protease Inhibitors", *Proceedings of the IEEE International Joint Conference on Neural Networks*, **2006**, 7495-7502.

Andonie, R.; **Fabry-Asztalos, L.**; Collar, C. J.; Abdul-Wahid, S.; **Salim, N.** "Neuro-fuzzy Prediction of Biological Activity and Rule Extraction for HIV-1 Protease Inhibitors", *Proceedings of the IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology*, San Diego, **2005**, 113-120.

Tom R. Cottrell, Paul F. Hessburg, **Jonathan A. Betz**, "Seed Invasion Filters and Forest Fire Intensity", *Fire Ecology*, **in press**.

Papers accepted with revisions:

Barton, B. and **Cearley, S.**, Paleontological Investigations at the Pratum-Rutschman/Qualey Mammoth Site, Marion County, Oregon. *Current Research in the Pleistocene*, vol. 25, 2008. In review and tentatively accepted, pending minor revisions.

Papers in preparation or submitted:

Razvan Andonie, **Levente Fabry-Asztalos**, **Christopher B. Abdul-Wahid**, Grant I. Barker, Lukas Magill, Sarah Abdul-Wahid, "A Quantitative Structure-Activity Relationship Study of HIV-1 Protease Inhibitors Using a Small Molecular Dataset", *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, submitted, 2008.

David Gee and **Jessica Nye**, "Validation of a Bioelectrical Impedance Analysis Equation Predicting Body Composition Using Conductor Length Instead of Height", *International Journal of Sport Nutrition and Exercise Metabolism*. In preparation, 2008.

Carin Thomas, Justin Johnston[#], Stephanie L. Bryner*, Drake Mitchell, Anne Johansen and **Josie Wells**. Effects of atmospheric ultrafine particles on mitochondrial membranes. *Toxicological Sciences*. In preparation, 2008.

Carin Thomas and Andrew Piacsek. Elements of a science honors research program for upper division undergraduates. *CUR Quarterly*. In preparation, 2008.