Christopher K. Black

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Objective

Full-time research in the biological sciences. Particular interest in plant and plant-microbe trophic interactions.

Education

Reed College, BA Biology 2008. Coursework in plant physiology and ecology, microbiology, genetics, vertebrate reproduction, biochemistry, statistics. Strong experimental emphasis; independently designed, performed and analyzed data from four six-week research projects and year-long thesis research.

Research Skills

Lab: Experience with PCR, bacterial cloning, spectrophotometry, IRGA, gas and liquid chromatography, Northern blotting, DNA extraction, phage isolation, sterile plant and bacterial culture, *Arabidopsis* and legume growth.
Field: Experience with plant identification, survey methods, breeding techniques, tree climbing, working outdoors in all weathers. Background in gardening, arboriculture, camping, climbing, construction.
Computer: Proficient Mac OS X and Linux systems administrator. Experience with LaTeX, R, BLAST, ImageJ, Excel, Photoshop, Illustrator, Python, PHP, C, Scheme, SQL.

Selected Employment History

NSF Plant Genomics Research Intern, Boyce Thompson Institute.
Ithaca, NY. Summer 2007.

Faculty Multimedia Lab Assistant, Reed College.
Portland, OR. October 2004 – January 2007.

Landscape Maintenance Crewman, Ascent Tree and Yard Care.
Portland, OR. April 2003 – June 2004 and summer 2005.

Water-pumping Windmill Repairman, LoTec Windmill Service.
Arkansaw, WI. 1989 – 2002 and summer 2004.

Historical Carpentry Intern, George Washington's Mount Vernon.
Mt. Vernon, VA. Summer 2001.

Papers

Black, C. 2008. *Associative Nitrogen Fixation Ability Does Not Predict Symbiotic Nodulation Ability in* Burkholderia tropica. Reed College thesis.

Lin, R., Teng, Y., Park, H.J., Ding, L., **Black, C.**, Fang, P., Wang, H. Discrete and Essential Roles of the Multiple Domains of Arabidopsis FHY3 in Mediating Phytochrome A Signal Transduction. Submitted to *Plant Physiology.*

References

Dr. David A. Dalton, Thesis Advisor: (503) 517–7473, david.dalton@reed.edu
Dr. Steven D. Black, Academic Advisor: (503) 517–7644, steven.black@reed.edu
Dr. Haiyang Wang, PI for NSF internship: (607) 254–7476, hw75@cornell.edu