Curriculum Vitae

Cameron Amadeus Myhrvold

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Education

2011: Princeton University, A.B. in Molecular Biology, *magna cum laude,* with a certificate in Quantitative and Computational Biology

Systems Biology PhD candidate, Harvard University, 2011-present

Hertz Graduate Fellow, 2011-present

Publications

Daniel, T.L., Dieudonne, A., Fox, J.L., Myhrvold, C.A., Sane, S.P., and Wark, B. (2008). Inertial guidance systems in insects: from the neurobiology to the structural of biological gyroscopes. J. Inst. Navigation. 55:235-240.

Presentations

Oral presentation: "Detecting Invasion of Pathogenic Bacteria" SynBERC retreat, March 2012

Oral presentation & published abstract: Myhrvold, C. A.; Fox, J. L.; Sane, S. P.; Daniel, T. L. "Strain patterns on an antenna: are moth antennae tuned?" SICB annual meeting, 2008

Published abstract: Geiger, M. J.; Fox, J. L.; Myhrvold, C. A.; Daniel, T. L. "Morphological and mechanical asymmetry in a biological gyroscope." SICB annual meeting, 2008

Published abstract: Fox, J. L.; Myhrvold, C. A.; Daniel, T. L. "Sensory Encoding in the Gyroscopic Halteres of the Crane Fly *Holorusia.*" SICB annual meeting, 2007

Oral presentation & published abstract: Myhrvold, C.; Sane, S.; Daniel, T. "The flexible halteres of the cranefly *Holorusia Rubiginosa*" at the Society for Integrative and Comparative Biology's annual meeting, 2006

Posters

Myhrvold, CA; Bassler, BL. "The evolution of quorum sensing in *Vibrio harveyi*", American Society for Microbiology General Meeting, 2011

Myhrvold, CA; Mena, JU. "*MSN2/4* Orthologs Regulate a Stress Response in *Saccharomyces bayanus*", Princeton Center for Quantitative Biology Retreat, 2010

Fox, JL; Myhrvold, CA; Howell, D; Daniel, TL. "Lateral asymmetry in the kinematics of halteres during maneuvering flight of crane flies." SICB annual meeting, 2010

Patents

United States Patent No. 7,548,168, Title: Wearable/portable protection for a body, issued June 16, 2009

United States Patent Application No. 20090076840, Title: Wireless ICU, filed September 18, 2007

United States Patent Application No. 20080055287, Title: Repeatably Displaceable Emanating Element Display, filed September 6, 2006

Technical Skills

Programming: C, Java, MATLAB, Python
Languages: Fluent in English and Spanish

Research Experience

Independent research in the Bassler Laboratory, Princeton University, Molecular Biology Department (2009-2011)

Independent research in the Daniel Laboratory (paid), University of Washington Biology Department (2008-9)

Independent research in the Daniel Laboratory (volunteer), University of Washington Biology Department (2005-8)

Other

Member, American Society for Microbiology
Member, Sigma Xi