

Osvaldo Jhonatan Sepulveda Villet

Great Lakes Genetics Lab

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PROFESSIONAL PREPARATION

Ph.D. University of Toledo, Biology (Ecology track); 2005-present

M.S. Central Michigan University, Biology; 2002

B.S. Universidad Autonoma de Guadalajara. Guadalajara, Mexico, Aquacultural Engineering; 1999

APPOINTMENTS

2005- present Research assistant, Lake Erie Center, University of Toledo

2005, 2007 Teaching assistant, University of Toledo

1999-2002 Research assistant, Central Michigan University

PUBLICATIONS

Sepulveda Villet, O.J., Ford, A.M., and Stepien, C.A. 2008. A landscape genetic analysis of Great Lakes Yellow Perch populations in relation to their variation across North America. Ohio Academy of Sciences, Toledo, OH.

Sepulveda Villet, O.J., Ford, A.M., and Stepien, C.A. Genetic and biogeographic structure of the Yellow Perch (*Perca flavescens*): Divergence between Great Lakes versus Atlantic and Gulf coastal populations. Journal of Great Lakes Research. In press.

Grzybowski, M., **Sepulveda-Villet, O.J.**, Stepien, C.A., Rosauer, D., Binkowski, F., Klaper, R., Shepherd, B., Goetz, F. Genetic variation of 17 wild populations of Yellow Perch from the Midwest and East coast United States using microsatellites Transactions of the American Fisheries Society. In press.

Parker, A.D., Uzarski, D.G., **Sepulveda-Villet, O.J.**, Stepien, C.A., Ruehl, C.B., Burton, T.M. Phenotypic Plasticity of Age-1 Great Lakes Yellow Perch Inhabiting Wetland and Nearshore Habitats. Transactions of the American Fisheries Society. In press.

Bandow, J.E., Baker, J.D., Berth, M., Painter, C., **Sepulveda Villet, O.J.**, Clark, K.A., Kilty, I., VanBogelen, R.A. New image analysis workflow for 2D gels enables large-scale 2D gel-based proteomics studies – Example: COPD biomarker discovery study. Applied Microbiology and Biotechnology. In press.

PRESENTATIONS (5 most recent)

2008 Sepulveda Villet, O.J. and Stepien, C.A. Assessing genetic diversity and divergence levels of wild Yellow Perch and Walleye populations and applications to improving broodstock. AFS Fisheries Genetics Symposium, Ottawa, Canada.

2008 Sepulveda Villet, O.J., Ford, A.M., and Stepien, C.A. A landscape genetic analysis of great lakes yellow perch populations in relation to their variation across north america. Ohio Academy of Sciences, Toledo, OH.

2007 Sepulveda Villet, O.J. and Stepien, C.A. A Landscape Genetic Analysis of Great Lakes Yellow Perch Populations in Relation to their Variation Across North America. IAGLR 2007, College Station, PA.

2007 Sepulveda Villet, O.J. and Stepien, C.A. Genetic structure of Lake Erie yellow perch populations as discerned by microsatellite DNA. OFWMA 2007, Columbus, OH.

2006 Sepulveda Villet, O.J., Ford, A.M., and Stepien, C.A. Genetic structure of Lake Erie Yellow Perch populations: a comparison of two molecular tools. IAGLR 2006, Windsor, Canada.

AWARDS

2008 Finalist, Best student presentation, AFS.
2008 NSF STEM fellow.
2007 IAGLR scholarship.
2007 IAGLR student travel award.
2006 IAGLR student travel award.
2005 ASIH student travel award.
2001 WAS student travel award.
2001 CST Dean student research award, Central Michigan University.
2001 CST Dean student presentation award, Central Michigan University.
1999-2001 College of Graduate Studies SRCE award. Central Michigan U.

GRADUATE ADVISOR

Dr. Carol Stepien

PROFESSIONAL MEMBERSHIPS

American Society of Ichthyologists and Herpetologists
International Association of Great Lakes Research
Ohio Academy of Sciences
American Fisheries Society
Ohio of Fish and Wildlife Managers Association

SYNERGISTIC ACTIVITIES

Member, information technology and corporate branding organizing committees for IAGLR 2009 annual meeting.
Secretary, NSF GK-12 STEM program, University of Toledo.
Reviewer for Journals: Transactions of American Fisheries Society, Journal of Great Lakes Research.
Faculty search committee member, Department of Environmental Sciences, University of Toledo.
Staff search committee member, Lake Erie Center, University of Toledo.
Fassett Middle School Career Day presenter, 2006.
Montessori Middle School Career Week field mentor, 2006.
Mentor, NSF REU program, University of Toledo, 2007.