










Current Graduate Students: University of Illinois at Springfield - Department of Biology

Name		
Doyn Kellerhals	<p>Topic: Microbial community succession on decaying leaves on the Illinois River floodplain.</p> <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • UIS Science Symposium • American Society for Microbiology • Ecological Society of America 	
Mike Rossetto	<p>Topic: Culturability and sequencing of aquatic bacteria.</p> <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • American Society for Microbiology • UIS Science Symposium 	
Matt Cochran	<p>Topic: Distribution of Asian carp.</p> <p>Presentation: UIS Science Symposium</p>	
<p>Joseph Bartletti Illinois Lake Management Association Student Grant</p>	<p>Topic: Nitrification and denitrification in the LaGrange floodplain</p> <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • UIS Science Symposium • Illinois Lake Management Association • North American Benthological Society 	
Ryan Roy		







Past M.S. Students


Russell Tanton (2005)	<p>Topic: A model of nutrient mitigation in small-scale restored wetlands.</p> <p>Abstract - Presentation: UIS Science Symposium</p> <p>Manuscript: Restoration Ecology (submitted)</p>	
Mandy Cook (2004)	<p>Topic: Chemotaxis of bacterial species to phosphate and ammonium.</p> <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • UIS Science Symposium • American Society for Microbiology 	

		
<p>Tracy DiMezzo (2004)</p> <ul style="list-style-type: none"> • 2004. Sigma Xi Grant • 2004. Most outstanding M.S. thesis University of Illinois at Springfield. • 2005. Midwest Association of Graduate Studies- Outstanding thesis award. 	<p>Topic: Uptake analysis of fluorescently-labeled hydrophobic organic phosphate substrates by aquatic hydrophobic bacteria</p> <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • UIS Science Symposium • American Society for Microbiology 	
Linda Gerhinger (2004)	Laboratory Experiments in Microbial Ecology.	
<p>Tim Goode (2004)</p> <p>2004. Sigma Xi Grant</p>	<p>Topic: Bacteria of the Illinois River floodplain: a study of number and function.</p> <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • UIS Science Symposium • North American Benthological Society 	
<p>Kurt Jerke (1999 - Pace University)</p> <p>Hudson River Foundation Polgar Fellowship</p>	<p>Topic: The effect of methanogenic Archaea and vascular plants on the degradation of PCBs in the lower Hudson River; matriculated to Purdue University.</p>	

Undergraduates - University of Illinois at Springfield

Sara Paver (2003-	Topics	
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<p>06) * American Society for Microbiology Fellowship Winner</p>	<ul style="list-style-type: none"> • Characterization of the Bacterial Community at the Air-Water Interface of a Freshwater Lake with Special Attention to Hydrophobic Phosphate Nutrient Cycling • Bacterial systematics in cryogenetically stored samples • <i>Archaea</i> in leaf microbial communities <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • UIS Science Symposium • American Society for Microbiology 	
<p>Michelle Randle * Merck/AAAS Summer Fellowship</p>	<p>Microbial communities and water quality</p>	
<p>Christine Hofmann (2005-06) * Merck/AAAS Summer Fellowship</p>	<p>Microbial communities and water quality</p>	
<p>Roza George (2004-06)</p>	<p>Topics</p> <ul style="list-style-type: none"> • Time lapse photography of Winogradsky column • Techniques in DNA extraction from freshwater <p>Abstract - Presentations</p> <ul style="list-style-type: none"> • UIS Science Symposium 	
<p>Andy Grant (2004-05)</p>	<p>Nitrification and denitrification of four different floodplain habitats</p>	
<p>Chris Buchanan (2003-04)</p>	<p>Comparison of microbial communities in rhizosphere and non-rhizosphere zones of PCB-treated and natural cattail roots</p>	

Faith Wheaton (2003-04)	Identification of ammonia oxidizing bacteria species in Illinois River floodplains.	
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2002-03

- Borst, T. Technique development for denaturing gradient gel electrophoresis.
- Cook, M. Description of Archaeal and Bacterial domains in a south Alabama salt springs.

2001-2002

- Hilligoss, S. Techniques in Studying Magnetic Bacteria: Culturing and Survey in Illinois Ponds
- Lucas, M. The bacterial genus *Wolbachia* and its relationship to parthenogenesis in microcrustaceans.

2000-01

- Claybaugh, L. The microbial ecology of the predacious bacteria: *Bdellovibrio* in a lake ecosystem.
- Leischner, L. (ENS). Tomato plant growth, nutrients, and microbial activity in soil mix and compost.

1999-2000

- Bonnett, J. Growth and Hybridization of Nitrifying Bacteria
- Wallner, A. Viral attachment and enumeration with respect to bacterial lysis in an IL temporary pond.