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# Cynthia M. McDonnell

# Curriculum Vitae

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<i>Home Address</i>	402 W. Vine St. Champaign, IL 61820 Tel. (217) 898-7609
<i>School Address</i>	Department of Entomology 320 Morrill Hall University of Illinois Urbana-Champaign 505 S. Goodwin Ave. Urbana, IL 61801 Tel. (217) 244-7294 Fax (217) 244-3499
<i>Email Address</i>	cmcdonne@uiuc.edu
<i>Date of Birth</i>	May 16, 1977
<i>Place of Birth</i>	Chicago, Illinois, USA
<i>Current Position</i>	Ph.D candidate, University of Illinois Urbana-Champaign, Entomology Advisors: Dr. May Berenbaum Dr. Mary Schuler
<i>Education</i>	M.S., University of Illinois Urbana-Champaign, Entomology 2003 A.B., Cornell University, Biological Sciences 1999
<i>Research Experience</i>	EPA Science to Achieve Results (STAR) Greater Research Opportunities Fellow 2004-07 2001-04 Environmental Toxicology Scholar, University of Illinois Urbana-Champaign 2001-03 NIH Cell and Molecular Biology Training Grant Trainee, University of Illinois Urbana-Champaign 2000 Research Assistant, Bermuda Biological Station for Research, Ferry Reach, Bermuda, Advisor: Dr. Hank Trapido-Rosenthal 1998-99 Research Assistant, Cornell University, Advisor: Dr. R.

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	Andrew Zink	1997
	Research Assistant, Cornell University, Dept. of Entomology, Advisor: Dr. Nick Calderone	
<i>Teaching Experience</i>		2008
	Teaching Assistant, Integrative Biology 109 (Insects & People), University of Illinois Urbana-Champaign	
		2007
	Teaching Assistant, Integrative Biology 270 (Evolution of Molecules and Cells, Honors) University of Illinois Urbana-Champaign	
		2001
	Teaching Assistant, Biology 252 (Population Biology, Honors), University of Illinois Urbana-Champaign	
		2000
	Teaching Assistant, Biology 104 (Animal Biology), University of Illinois Urbana-Champaign	
		1999
	Teaching Assistant, Biochemistry 330 , Cornell University	
<i>Honors and Awards</i>		2006
	UIUC School of Integrative Biology Clark Summer Grant	2006
	UIUC Graduate College Travel Grant	2005
	Young Investigator Award from Society of Toxicology-Midwest Regional Chapter	2004
	UIUC School of Integrative Biology Clark Summer Grant	2004
	UIUC Graduate College Travel Grant	2004
	UIUC Biotechnology Fair Student Poster Competition Finalist	2003
	Entomology Society of America President's Prize for Student Poster in Section B: Physiology, Biochemistry, Toxicology, and Molecular Biology	2001-04
	UIUC Interdisciplinary Environmental Toxicology Scholar Fellowship	
<i>Publications</i>		
	R.P. Brown*, C.M. McDonnell*, M.R. Berenbaum, M.A. Schuler. (2005). "Regulation of the insect cytochrome P450 monooxygenase gene <i>CYP6B1v3</i> by the aryl hydrocarbon response cascade," <i>Gene</i> , 358: 39-52. *equal contributors	
	McDonnell, C.M., R.P. Brown, M.R. Berenbaum, M.A. Schuler. (2004). "Conserved regulatory elements in the promoters of two allelochemical-inducible cytochrome P450 genes differentially regulate transcription," <i>Insect Biochemistry and Molecular Biology</i> , 30: 1129-1139.	
<i>Invited Talks</i>		2005
	National Meeting of the Entomological Society of America, Fort Lauderdale, FL, "Regulation of insect cytochrome P450 monooxygenase genes by aryl hydrocarbon and xanthotoxin	

	response cascades”	
	Interdisciplinary Toxicology Seminar Series, University of Illinois, Urbana-Champaign, “Regulation of a plant allelochemical-inducible detoxification gene ( <i>CYP6B1</i> ) via the evolutionarily conserved aryl hydrocarbon response cascade”	2004
	Interdisciplinary Toxicology Seminar Series, University of Illinois, Urbana-Champaign, “Transcriptional regulation of a xenobiotic gene in an herbivorous caterpillar”	2003
	Interdisciplinary Toxicology Seminar Series, University of Illinois, Urbana-Champaign, “Conserved response elements in the promoters of substrate-inducible cytochrome P450s”	2002
<i>Papers Presented</i>		2007
	National Meeting of the Entomology Society of America, San Diego, CA	2006
	8 <sup>th</sup> International Symposium on Cytochrome P450 Biodiversity and Biotechnology	2006
	North Central Branch Meeting of the Entomological Society of America, Bloomington, IL	2004
	National Meeting of the Entomological Society of America, Salt Lake City, UT	2004
	Midwest and Ozark Prairie Regional Chapters Meeting of Society of Environmental Toxicology and Chemistry, LaCrosse, WI	2003
	National Meeting of the Entomological Society of America, Cincinnati, OH	2002
	National Meeting of the Entomological Society of America, Fort Lauderdale, FL	
<i>Posters Presented</i>		2006
	5 <sup>th</sup> International Symposium on Molecular Insect Science	2005
	UIUC Cell & Molecular Biology Training Grant Symposium	2005
	14 <sup>th</sup> International Conference on Cytochromes P450: Biochemistry, Biophysics, and Bioinformatics, Dallas, TX	2004
	International Congress of Entomology, Brisbane, Australia	2004
	UIUC Biotechnology Fair	2003
	National Meeting of the Entomological Society of America, Cincinnati, OH	2003
	UIUC School of Molecular and Cellular Biology Open House	2003
	Midwest Cytochrome P450 Symposium, Purdue University, West Lafayette, IN	2003
	UIUC Environmental Council Expo	2003
	National Academy of Sciences Sackler Colloquium, “Chemical Communication in a Post-Genomic World”, Irvine, CA	2002
	National Meeting of the Entomological Society of America, Fort Lauderdale, FL	

	UIUC School of Molecular and Cellular Biology Open House	2002
	International Meeting of the Society for the Study of Evolution, UIUC, IL	2002
	UIUC Environmental Horizons Conference	2002
<i>Symposia Organized</i>	National Meeting, Entomological Society of America, Fort Lauderdale, FL: Symposium "Molecular mechanisms of insect response to xenobiotics"	2005
	UIUC Cell & Molecular Biology/Molecular Biophysics Research Symposium, keynote liaison	2004
<i>Outreach</i>	UIUC Insect Fear Film Festival, festival coordinator	2003,2004
	UIUC Insect Fear Film Festival, t-shirt sales coordinator	2002
	UIUC Insect Expo	2002
<i>Service</i>	Entomology Graduate Students Association, president	2002-04
	Common Ground Food Cooperative, volunteer	2001-05
	Champaign County Health Care Consumers, volunteer	2004-08
<i>References</i>	<p>Dr. May R. Berenbaum, Department of Entomology, 505 S. Goodwin Avenue, 320 Morrill Hall, University of Illinois at Urbana-Champaign, Urbana IL 61801, Phone: 217-333-7784 Email: maybe@uiuc.edu</p> <p>Dr. Mary A. Schuler, Department of Cell &amp; Structural Biology, 1201 W. Gregory Drive, 161 ERML, University of Illinois at Urbana-Champaign, Urbana, IL 61801 Phone: 217-333-8784 Email: maryschu@uiuc.edu</p> <p>Dr. Art Zangerl, Department of Entomology, 505 S. Goodwin Avenue, 320 Morrill Hall, University of Illinois at Urbana-Champaign, Urbana, IL 61801, Phone: 217-333-7784 Email: azangerl@life.uiuc.edu</p>	