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### **Professional Preparation**

<b>Institution</b>	<b>Major</b>	<b>Degree</b>	<b>Year</b>
Miami Univ.	Zoology	B.A.	1978
Univ. Washington	Fisheries/Aquatic Science	M.S.	1981
Univ. Colorado	Environ. Pop. Ecol. Biology	Ph.D.	1991
Simon Fraser University	Comparative Physiology	Postdoc.	1991-1993
Miami University	Aquatic Toxicology	Postdoc.	1993-1995

### **Appointments**

<b>Years</b>	<b>Position</b>	<b>Institution</b>
2012	Director	Nebraska Watershed Network
2010-present	Interim Director	CEHT, Univ. Nebraska Medical Center
2009-present	Professor (Courtesy)	Univ. Nebraska Lincoln, School of Nat. Res.
2007-present	Professor	Univ. Nebraska Medical Center
2002-2010	Member	CEHT, Univ. Nebraska Medical Center
2005-present	Professor	Univ. Nebraska-Omaha
2002-2004	Assoc. Prof.	Univ. Nebraska-Omaha
1998-2002	Asst. Prof.	Univ. Nebraska-Omaha
1995-1998	Asst. Prof.	Nicholls State University

### **Research Interests**

Research interests focus on the environmental fate, transfer and biological effects of biologically active contaminants, and how local stakeholders can be informed of these issues through innovative teaching and outreach programs.

### **Five Publications Closely Related to the Project**

1. Sellin-Jeffries, M.K., A.C. Mehinto, B.J. Carter, N.D. Denslow and A.S. Kolok. 2012. Taking microarrays to the field: Differential hepatic gene expression of caged fathead minnows from Nebraska watersheds. *Environmental Science and Technology*. 46: 1877-1885.
2. Kolok, A.S., J.T. Miller and H.L. Schoenfuss. 2012. The mini-mobile environmental monitoring unit: A novel bio-assessment tool. *Journal of Environmental Monitoring*. 14: 202-208.
3. Sellin-Jeffries, M. K., K. Abbott, T. Cowman and A.S. Kolok. 2011. Endocrine disruption in an agricultural watershed: Correlating watershed characteristics with the occurrence and biological effects of agrichemicals. *Environmental Toxicology and Chemistry* 30:2253-2260.
4. Sellin-Jeffries, M.K., N.H. Conoan, M.B. Cox, V.S. Wilson, J.L. Sangster, T. Cowman, L.A. Knight, S.L., Bartelt-Hunt and A.S. Kolok. 2011. The anti-estrogenic activity of sediments from agriculturally-intense watersheds: Assessment using *in vivo* and *in vitro* assays. *Aquatic Toxicology* 105:189-198.
5. Kolok, A.S., H.L. Schoenfuss, T. Vail, and C. Propper. 2011. Empowering citizen scientists: The strength of many in monitoring biologically active environmental contaminants. *Bioscience* 61 (8) 626-630.

**Five Other Significant Publications**

1. Bartelt-Hunt, D. D. Snow, T. Damon-Powell, D. Brown, M. Schwarz and A.S. Kolok. 2011. Quantitative evaluation of laboratory uptake rates for pesticides, pharmaceuticals and steroid hormones using polar organic chemical integrative samplers. *Environmental Toxicology and Chemistry*. 30:1412-1420.
2. Kolok, A.S. and H.L. Schoenfuss. 2011. Environmental scientists, biologically active compounds and sustainability: The vital role for small-scale science. *Environmental Science and Technology* 45:39-44.
3. Sellin, M.K., D.D. Snow and A.S. Kolok. 2010. Reductions in hepatic vitellogenin and estrogen receptor alpha expression by sediments from an agriculturally-impacted waterway. *Aquatic Toxicology* 96:103-108.
4. Kolok, A.S., C. Beseler, X-H. Chen and P. J. Shea. 2009. The watershed as a functional unit in environmental health: Emerging contaminants in the Elkhorn River watershed. *Environmental Health Insights* 3:1-10.
5. Sellin, M.K., D.D. Snow, S. T. Gustafson, G.E. Erikson and A.S. Kolok. 2009. The endocrine activity of beef cattle wastes: Do growth-promoting steroids make a difference? *Aquatic Toxicology*. 92:221-227.

**Synergistic Activities**

1. Development of the mini-mobile environmental monitoring unit, a novel bio-assessment system.
2. Initiation and development of the Nebraska Watershed Network, a research, teaching and education center focused on Nebraska watershed encircling metropolitan Omaha.
3. Thematic development of the "Elkhorn River Research Station High School Student Competition" (US EPA).
4. Thematic development of the inaugural "What's in your watershed Day" (UN Board of Regents)
5. Initiation of an international collaboration with the Corporacion para Investigaciones Biologicas, Medellin, Columbia. (NSF)

**Collaborators & Other Affiliations**

Alvarez, S. (Corporación para Investigaciones Biológicas, Medellin, Colombia, CIB); Bartelt-Hunt, S. (University of Nebraska-Lincoln, UNL); Beseler, C.(University of Nebraska Medical Center, UNMC); Carter, B.(EcoArray Ltd, Gainesville FL); Chen, X-H.(UNL);d Cox, M. (University of Texas-El Paso); Cowman, T. (University of South Dakota); Erikson, G.(UNL); Ferguson, L. (Duke University); Gibbs, S. (UNMC); Guillette, L.J.G.Jr. (University of Florida, UoF); Kohno, S. (UoF); Martinez-Manez, R. (Universidad Politecnica de Valencia, Valencia, Spain); Propper, C. (U. North Arizona, UNA), Restrepo, A. (CIB); Rosmann, M. (Agriwellness, Harlan, IA); Sabo-Atwood, T. (University of South Carolina) Schoenfuss, H.L. (St. Cloud State University); Schwarz, M. (USGS); Shea, P.J. Snow (UNL); D.D. (UNL); Vail, T. (UNA).

**Graduate & Postdoctoral Advisors**

Ph.D. Advisor, Dr. T. Gleeson, University of Colorado  
 Postdoctoral Advisor: Dr. A.P. Farrell, University of British Columbia  
 Postdoctoral Advisor: Dr. J.T. Oris, Miami University

**Graduate Advisors and Postdoctoral Sponsors**

**M.S. students** (5) Derry Stover (Ne DHHS); Megan Horton (Columbia Univ); Elizabeth Peake (US Army Corp.), Marlo Sellin (UNMC), Erik Tate-Boldt (State of Florida, DEQ).

**Ph.D.students** (2) Marlo Sellin (Miami University); Ashley Jessick (current CoPH, UNMC)