

Sarah Beth Woodruff

Miami University, Ohio

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Education

The Ohio State University, Columbus, OH	B.S.	1989	Biochemistry
Wright State University, Dayton, OH	B.S.Ed.		Physical Sciences
University of Dayton, Dayton, OH	M.Ed.	1998	Educational Leadership
	Ph.D.	2008	Educational Leadership

Research and Professional Experience

Director, Ohio's Evaluation & Assessment Center for Mathematics and Science Education, Miami University, Oxford, OH, 2008-present

Program Administrator, Ohio Mathematics and Science Partnership, Ohio Department of Education, Columbus, OH, 2008

Assistant Director, Office of Curriculum and Instruction, Ohio Department of Education, Columbus, OH, 2004-2008

Assistant Principal, Newark High School, Newark, OH, 2000-2004

High School/Middle School Summer Principal, Beavercreek High School, Beavercreek, OH, 1999-2000

Science Educator, Beavercreek City Schools, Beavercreek, OH, 1994-2000

Synergistic Activities

- As Director of Ohio's Evaluation & Assessment Center for Mathematics and Science Education and the *Discovery* Center, I provide leadership in research design, data analysis, proposal and report development, instrument development, and all aspects of evaluation and research for more than 25 large-scale, externally funded programs and projects across the nation in collaboration with state agencies, higher education institutions, school districts, and professional development providers.
- As Ohio Mathematics and Science Partnership Program Administrator, I worked with IHE and LEA partners to ensure effective design and delivery of Title II B teacher professional development programming throughout Ohio.
- As Assistant Director for the Ohio Department of Education, I planned, directed and supervised statewide strategic science initiatives, provided content and pedagogical expertise for assessment development, standards-alignment tasks, and professional development products and services in collaboration with external contractors and cross-agency teams.
- As a member of the Council of State Science Supervisors, I provided technical assistance and support to Mathematics and Science Partnership Programs across the US and collaborated with other members to prepare and disseminate position papers and policy statements on national science education issues.
- As a science educator, I participated in Ohio's systemic science initiative (*Discovery*) and other professional development, including the Wright Connection Summer Program for Teachers and Frontiers in Physiology Summer Research Fellow Program to enhance my ability to serve students.

Recent Peer Reviewed Publications

1. Kahle, J. B., & **Woodruff, S. B.** (2011). Science teacher education research and policy: Are they connected? In *Research in science education: Vol. 5*, G. DeBoer (Ed.), *The role of public policy in k-12 science education*. Greenwich, CT: Information Age Publishing.
2. **Woodruff, S. B.** & Kowalski, T. J. (2010). Problems reported by novice high school principals. In *International Research on School Leadership: A. Soho, B. Barnett, & A. K. Tooms (Eds.), The challenges for new principles in the 21st century*. Greenwich, CT: Information Age Publishing.
3. **Woodruff, S. B.**, Hung, H. L., & Seabrook, L. "Exploratory Cluster Analysis: Variability and Commonality of the Implementation and Impact of Ohio Mathematics and Science Partnership (OMSP) Projects," Paper presented at *The Annual Conference of the American Evaluation Association*, Orlando, FL, November 2009.

4. Li, Y., Kahle, J. B., Scantlebury, K., Blasie, C., & **Woodruff, S. B.**, "Sustaining Change: Are Booster Shots Needed?", Paper presented at *The National Association for Research in Science Teaching*, Garden Grove, CA, April 2009.
5. **Woodruff, S. B.**, & Kowalski, T. J., "Problems Encountered by Novice High School Principals: Implications for Academic Preparation and State Licensing" Paper presented at *The Annual Meeting of the American Educational Research Association*, San Diego, CA, April 2009.
6. Zorn, D., Seabrook, L., Noga, J., & **Woodruff, S. B.**, "State-sponsored Professional Development: Lessons Learned through Dialogue across Evaluation, Theory, Research, and Practice," Paper presented at *The Annual Meeting of the American Educational Research Association*, San Diego, CA, April 2009.
7. **Woodruff, S. B.**, "Frequency and Severity of Problems Identified by Novice High School Principals," Paper presented at *The Annual Conference of the University Council for Educational Administration*, Orlando, FL, October, 2008.
8. **Woodruff, S. B.**, "Writing to Represent Scientific Knowledge - Thinking Beyond the OGT" *Ohio Resource Center*, Columbus, OH, 2008.
9. Feder, M., Horwood, T. J., & **Woodruff, S. B.**, "Evaluating the Effects of Professional Development on Special Education Teachers: Lessons Learned from an Evaluation of the Ohio Mathematics and Science Partnership Program," Presentation at *The Annual Conference of the American Evaluation Association*, Portland, OR, November 2006.
10. Feder, M., Horwood, T. J., & **Woodruff, S. B.**, "Using Evaluation Findings to Build Capacity for the Implementation of a Statewide Teacher Professional Development Program," Presentation at *The Annual Conference of the American Evaluation Association*, Portland, OR, November 2006.

Collaborators and Other Affiliates (Miami University unless otherwise noted)

Nazan Bautista (Miami University); Constance Blasie (University of Pennsylvania); Phyllis Callahan; Barbara Crawford (Cornell University); Danielle Dani (Ohio University); Prabir K. Dutta (The Ohio State University); Joyce Fernandes (Miami University); Dimitriy Garmatyuk (Miami University); Iris Johnson (Miami University); Jane Butler Kahle (Miami University); Margaret Kasten (Ohio Resource Center); Kimberly Lightle (The Ohio State University); Terry McCollum (Miami University); Pamela Mills (Hunter College, CUNY); Christopher Myers (Miami University); Alice Pawley (Purdue University); Arlyne M. Sarquis (Miami University); Kathryn Scantlebury (University of Delaware); Elizabeth Schussler (University of Tennessee); William Sweeney (CUNY); George Watson (University of Delaware); Gabriela Weaver (Purdue University); and Deborah Zorn (University of Cincinnati)

Recent and Current Graduate Students and Postdocs

None.

Graduate and Postdoctoral Research Advisors

Theodore J. Kowalski, University of Dayton