

Sarah Landon Kirn

Personal

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(a) Professional Preparation

Undergraduate:	Brown University	Geology-Biology	B. Sc. 1995
Graduate:	University of Maine	Biological Oceanography	MSc. 2002

(b) Appointments & Professional Experience

2013—	Education Program Strategist, Gulf of Maine Research Institute, Portland, ME
2002—2013	Vital Signs Program Manager, Gulf of Maine Research Institute, Portland, ME
2000—2002	National Science Foundation GK-12 Teaching Fellowship, University of Maine, Orono, ME
2000—2002	Research and Teaching Assistantships, University of Maine, Orono, ME
1998—1999	Assistant to Director of Exhibits, Montshire Museum, Norwich, VT

(c) Products

Morrisseau, S.J., S.L. Kirn. "Vital Signs: Designing for Student and Teacher Participation in a Scientific Research Community," a case study in Annenberg Innovation Lab's *Designing with Teachers: Participatory Approaches to Professional Development in Education*. Erin Reilly and Ioana Literat, Editors. May be downloaded as a pdf from <http://www.gmri.org/about/newsItem.asp?ID=170>. 2012

Kirn, S.L., D.W. Townsend, N.R. Pettigrew. "Suspended *Alexandrium spp.* hypnozygote cysts in the Gulf of Maine" *Deep Sea Research II* 52: 2543-2559. 2005.

Kirn, S.L., D.W. Townsend, "Planktonic *Alexandrium spp.* Hypnozygote cysts in the Gulf of Maine: A Shallow Water Trap?" *Eos, Transactions, American Geophysical Union*, 83(4), Ocean Sciences Meeting Supplement, Abstract OS11U-02. 2002.

Rutherford, M.J., S. Kirn, D.Y. Venezky, "Petrologic melt and sulfide inclusion evidence for pre-eruption gas phase production in silicic calc-alkaline magmas" *Eos, Transactions, American Geophysical Union*, 76:17, Suppl., p. 267. 1995.

(d) Synergistic Activities

I am actively involved in the recently launched Citizen Science Association (<http://citizenscienceassociation.org/>). Since December of 2012 I have served on the Web/Communications working group of this organizational effort. I am particularly excited to work with others to develop the tools and structures that help K-12 classrooms participate productively in diverse citizen science projects, from GMRI's Vital Signs program (www.vitalsignsme.org) to Galaxy Zoo. I am intensely interested in working with learning researchers to understand the particular advantages this kind of authentic science-learning-through-participation affords and in figuring out effective, meaningful ways to provide these sometimes highly personal learning experiences to more students.

(e) Collaborators and Other Affiliations

Collaborators and Coeditors

B. Barron (*Stanford University*). D. Capps (*University of Maine*). J. Shemwell (*University of Maine*).

Graduate and Postdoctoral Advisors

David Townsend, University of Maine