

JODIE A. GALOSY, PH.D. DIRECTOR OF RESEARCH AND EVALUATION

Knowles Science Teaching Foundation, 1000 North Church Street, Moorestown, New Jersey | 856.608.0001 | jodie.galosy@kstf.org

EDUCATION

Michigan State University, East Lansing, Michigan

Ph.D. in Teaching, Curriculum, and Educational Policy

2005

Dissertation: *Between a rock and a hard place: Learning to teach science-for-all in an urban district.*

Chair: Suzanne Wilson, Ph.D.

University of Missouri, St. Louis, Missouri

M.Ed. in Counseling

1987

Qualifying Paper: *A comparison of three instruments to measure social interest.*

Marygrove University, Detroit, Michigan

B.S. in Biology (cum laude)

1974

Minor: Chemistry

TEACHING

Michigan State University, East Lansing, Michigan

Instructor – Masters of Arts in Curriculum and Teaching Program

2006-2008

Introductory and Capstone courses

Instructor – Undergraduate Teacher Education Program

1999-2000

Elementary science methods and middle school science field instructor

Ladue Junior High School, Ladue, Missouri

Seventh Grade Life Sciences Teacher

1995-1999

Developed inquiry curriculum modules and forensic science enrichment class

Villa Duchesne, Frontenac, Missouri

Middle/High School Science Teacher, Personal Counselor

1977-1978; 1981-1995

Designed and taught middle and high school science courses, Developed peer counseling program

RESEARCH AND EVALUATION

Knowles Science Teaching Foundation (KSTF), Moorestown, New Jersey

Director of Research and Evaluation

2010 – present

Lead evaluation and research activities for the foundation including design and support for internal research and evaluation studies, coordination with external evaluators/researchers, and dissemination to internal and external stakeholders.

Center for Biophotonics Science and Technology (CBST), UC Davis

Assistant Director for Teacher Professional Development and Evaluation

2008 – 2010

Directed all evaluation and research on CBST educational programs and cancer research science programs for underrepresented minorities in science at the high school and undergraduate levels (CURE & ET CURE) including design and selection of instruments, data collection, analysis, and writing grants and reports.

Michigan State University

Consultant (formerly Project Director)

2008 – 2011, Consultant

Entering the Guild: The effects of professional community and professional development on new science teachers and their students. (PIs: Suzanne Wilson, and Linda Shore, the Exploratorium Teacher Institute)

2005 - 2008, Project Director

Major contributor to grant proposal, especially research design. Coordinated all phases of the project, including supervision of graduate research assistants, development of teacher/student content assessments, online data collection methods, qualitative /quantitative analyses, annual reports to grantees, and ongoing dissemination of study products/findings.

Research Associate

2001 - 2005

Learning to teach inquiry-based science: an NSF-funded program evaluation of the Exploratorium New Teacher Induction Program. (PIs: Suzanne Wilson, MSU and Linda Shore, the Exploratorium Teacher Institute)

Participated in research activities, including survey design, distribution, and analysis. Developed protocols and transcribed interviews. Developed science teacher case studies from interviews, classroom/pd observations, and videotaped lessons. Assisted with annual reports to grantee and dissemination of findings to relevant audiences.

Research Assistant

2000 - 2001

TEXT: An NSF-funded study of science and literacy in elementary school instruction. (PIs: Nell Duke and Vicki Purcell-Gates, Michigan State University)

Developed science performance assessments, observed teachers, conducted and transcribed student interviews.

TEACHER PROFESSIONAL DEVELOPMENT

Center for Biophotonics Science and Technology (CBST)

Assistant Director for Teacher Professional Development and Evaluation

2008 – 2010

Directed Biophotonics summer teacher research academies for middle and high school science teachers and facilitate professional development seminars and workshops in the Sacramento area and at local, state, and national conferences.

Ladue Junior High School, Ladue, Missouri

Chair, Professional Development Committee

1997 – 1999

Planned and coordinated school professional development activities with teachers at the school and district levels.

Network of Sacred Heart Schools

Chair, Network Faculty Development Committee

1989 - 1992

Planned and coordinated professional development activities and conferences for a national network of 18 independent schools. Co-edited a peer-reviewed journal of teacher writing.

SCIENCE CURRICULUM AND ASSESSMENT DEVELOPMENT

Center for Biophotonics Science and Technology (CBST)

National Institutes of Health – Science Education Partnership Award (SEPA)

How Sure Are You?: Science, Biostatistics and Cancer Education

Advisory Board (formerly Co-Principal Investigator)

2009 - present

Advise (formerly co-lead) project to develop online curriculum modules on cancer science and statistics.

Lansing School District, Lansing, MI

District Curriculum Materials Facilitator

2001 - 2002

Led district teachers in evaluating science curriculum materials using AAAS evaluation criteria.

Missouri Department of Education

State Assessment Development and Scoring

1989 - 1992

Worked in partnership with selected Missouri science teachers to set the benchmarks for the new state science assessment and authored two middle school performance assessments.

SELECTED PUBLICATIONS AND PAPERS

- Galosy, J.A. and Gillespie, N. (2013). Community, Inquiry, Leadership: Exploring Early-Career Opportunities that Support STEM Teacher Growth and Sustainability. *The Clearing House: A Journal of Educational Strategies, Issues and Ideas*.
- Rozelle, J.J., Galosy, J.A., Mikeska, J.N., Green, K.R., Wilson, S.M. (2010). Examining topic-specific professional development in a science teacher induction program. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching, Philadelphia, PA.
- Galosy, J.A. (2009). Teacher Recruitment. In *Encyclopedia of the Social and Cultural Foundations of Education*, edited by Eugene V. Provenzo. Thousand Oaks, CA: SAGE Publications.
- Galosy, J.A., Wilson, S.M., Tsurusaki, B., Mapuranga, R. (April 2007). Constructing science teaching: A review of instruments used to measure science teaching practices. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Rozelle, J.J., Galosy, J.A., Mikeska, J.N., Wilson, S.M. (April 2007). Developing teacher assessments of science content and pedagogical content knowledge. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Galosy, J.A. (2007, April). Trouble with activities: Novice science teachers and hands-on science in urban classrooms. Paper presented at the Annual Meeting of the National Association for Research in Science Teaching, New Orleans, LA.
- Feldman, A., Galosy, J.A., Mitchener, C. (April, 2007). STEM alternative certification: Issues for researchers. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.

- Galosy, J.A. (2006, May). A case study of an urban district: Resources and intern teacher's curriculum goals. Invited paper presented at the STEM ACT conference, Washington DC.
- Wilson, S. M., Bell, C. Galosy, J., and Shouse, A. (2004). "Them that's got shall get": Re-imagining teacher recruitment, induction, and retention. In M. A. Smylie & D. Miretzky (Eds.), *Developing the teacher workforce (103rd Yearbook of the National Society for the Study of Education, Part 1*, pp. 145-179). Chicago, IL: University of Chicago Press.
- Galosy, J.A. (2003, April) Credibility for whom?: Middle/high school science teachers and their induction programs . Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- Bartunek, J., Galosy, J., Lacey, C., Lies, B., Wood, D.R. (1999). Leadership succession in a group formed to empower its members. In A.M. Herd & W.P. Ferris (Eds.), *Proceedings of the twenty-eighth annual meeting of the Eastern Academy of Management* (pp. 252-255). Hartford, CT.

SELECTED PRESENTATIONS

- Gillespie, N., Galosy, J.A., Rostock, R., Wolfe, Z. (2012). Supporting and retaining high quality secondary teachers: Evidence from the Knowles Science Teaching Foundation. Paper set presented at the Annual Meeting of the National Association for Research in Science Teaching, Indianapolis, Indiana.
- Galosy, J.A., Green, K.R., Mikeska, J.M., Rozelle, J.J., Wilson, S.M. (2011). The effects of teacher professional development on new science teachers and their students. Symposium presented at the Annual Meeting of the American Educational Research Association, New Orleans, LA.
- Mikeska, J.M., Galosy, J.A., Rozelle, J.J., Green, K.R., Wilson, S.M. (2010). Measuring teaching: A mixed methods approach to building a composite portrait of practice. Poster presented at the annual meeting of the American Educational Research Association, Denver, CO.
- Corbacho, A.M., Galosy, J.A., McCombs, M.R., Molinaro, M. (2009). Investing in diversity: The effects of an integrated approach to summer undergraduate research internships on program participants. Presentation for panel entitled *The power of groups: Building community among students* . The Third Annual Conference on Understanding Interventions that Broaden Participation in Research Careers, Bethesda, MD.
- Galosy, J.A., Corbacho, A.M., McComb, M.R., Molinaro, M. (2009). Biophotonics: Bringing contemporary science and science education together in middle/high school classrooms . Annual Meeting of the Association of Science Teacher Educators, Hartford, Connecticut.
- Corbacho, A.M., McComb, M.R., Galosy, J.A., Molinaro, M (2009). Introduction to Biophotonics. Annual meeting of the California Association of Chemistry Teachers, Pleasant Hill, CA.
- Galosy, J.A., Mikeska, J.N., Rozelle, J.J., Tsurusaki, B. (April, 2007). Measure for measure: Assessing novice science teacher knowledge and classroom practice. American Educational Research Association, Chicago, Ill.
- Galosy, J.A. (May, 2004) Evaluation of a science museum-based induction program. Center for Informal Learning and Schools, Bay Area Institute, San Francisco, CA.
- Wilson, S.M., Galosy, J.A., Bell, C., Shouse, A.W. (April, 2003) *Between and between I: A symposium examining research on teacher induction*. American Educational Research Association, Chicago, Ill.
- Smith, E., Anderson, C.W., Lane, P., Galosy, J. Enfield, M. (March, 2000) Preconference seminar: Science methods for pre-service science teachers. National Association for Research in Science Teaching, New Orleans, LA.
- Galosy, J. (April 1999) Classroom ethnography: Issues of power and authority International Conference on Teacher Research, Orford, Quebec

AWARDS

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| Marianne Amarel Fellowship, Center for the Scholarship of Teaching, Michigan State University | 2001 – 2004 |
| <i>National Science Foundation Scholarship, Evaluator's Institute</i> | Summer 2002 |
| <i>Missouri Botanical Gardens, Curriculum Materials Grant</i> | 1997 – 1999 |
| <i>Tandy Technology Scholar</i> | 1993 |

SYNERGISTIC ACTIVITIES

- Conference Co-Chair (2009): A Working Conference for Science and Technology Center Educators (funded by NSF)
- Chair: AERA Research on Teacher Induction Special Interest Group (2006-2008)
- Discussion chair: 2006 AERA conference; 2010 Association for Science Teacher Educators
- Reviewer: Educational Evaluation and Policy Analysis (2002), AERA and NARST annual conference proposals (2002 – 2008; 2010-2013)
- Committees: Master's of Education Program Committee, Michigan State University

MEMBERSHIPS

- American Educational Research Association
- National Association for Research in Science Teaching
- American Evaluation Association