

*Curriculum Vitae*

**Michael Giamellaro**

Oregon State University- Cascades  
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**EDUCATION**

Ph.D. Educational Leadership & Innovation: Science Education, University of Colorado Denver

Dissertation: *Deep Immersion Academic Learning: An Analysis of Science Learning in Context*, Dr. Deanna Sands, Advisor. 2012.  
<http://digital.auraria.edu/AA00000087/00001>

M.A. Science Curriculum and Instruction, University of Colorado, Denver. 2004.

B.S. Wildlife and Fisheries Biology, University of Wyoming, Laramie. 1997.

**TEACHING & PROFESSIONAL EXPERIENCE**

2012 – present	<b>Assistant Professor of Science and Mathematics Education</b>	College of Education Oregon State University- Cascades
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Teach four to five graduate courses per year. Maintain a research program in contextualized science learning environments. Advise MAT students. Provide program support including curriculum oversight, admissions reviews, etc. Provide service to OSU, regional educational organizations, and professional organizations.

Courses taught:

- ED 515: Learning Environments III: Cultures and Communities
- ED 531: Science Methods I: Inquiry & the Nature of Science
- ED 532: Science Methods II: Teaching for Conceptual Change
- ED 550: Effective Teaching Cycle I: Foundations & Planning
- SED 407: Intro to Science Education and Outreach
- SED 413/513/514: Inquiry in Science and Mathematics Education
- SED 511: Analysis of Classrooms I
- SED 515: Analysis of Classrooms II
- SED 553: Science Methods: Practicum I
- SED 573: Science Pedagogy & Technology I
- SED 577: Science Pedagogy & Technology II
- SED 599: Developing STEM Content into Project-Based Curricula

2010 – 2012	<b>Research Assistant</b>	LEARN Lab, University of Colorado Denver
	Under the direction of Dr. Maria Ruiz-Primo, The NSF funded DEISA project looked at developing and evaluating instructionally sensitive assessments in elementary science curricula. We have systematically manipulated item development to detect differences in transfer of learning that can reflect differences in quality of instruction. We also explored the role of curriculum mapping in teachers' science concept development.	
2009 – 2011	<b>Adjunct Instructor</b>	School of Education and Human Development, University of Colorado Denver
	Taught <i>Grand Canyon Science</i> , an experiential, graduate teacher education field class in which pre-service and practicing teachers learned pedagogical content knowledge related to the geology and ecology of the Grand Canyon while rafting the Colorado River. Participants also received training in experiential, place-based education.	
2007 – 2010	<b>Lead Educator (HS science teacher)</b>	The Watershed School (TWS), Boulder, CO.
2006 – 2007	<b>7<sup>th</sup> and 8<sup>th</sup> grade science teacher</b>	Packer Collegiate Institute, New York City
2005 – 2006	<b>Interim 8<sup>th</sup> &amp; 12<sup>th</sup> grade biology teacher</b>	Friends Seminary, New York City
2003 – 2005	<b>MS and HS math/science teacher &amp; advisor</b>	Center for Discovery Learning (CDL), Lakewood, CO
2002– 2003	<b>Teacher Intern</b>	Jefferson County Open School (JCOS), Lakewood, CO
1997 – 2002	<b>Biologist</b>	U.S. Fish and Wildlife Service, Sybille Canyon, WY

## **PUBLICATIONS**

Wang, T., Li, M., Lan, M.-C., Giamellaro, M., Ruiz-Primo, M.A. (*In Review*). Learning Goals Practice in Science Curriculum Implementation.

Giamellaro, M. (*In Review*). Dewey's yardstick: Contextualization as a crosscutting measure of experience in learning.

Giamellaro, M., Lan, M.-C., Ruiz-Primo, M.A., Li, M., Tasker, T. (*In Review*). Curriculum mapping as a strategy for supporting teachers in the articulation of learning goals.

- Giamellaro, M. (2014). Primary contextualization of science learning through immersion in content-rich settings. *International Journal of Science Education*, 36:17, 2848-2871. DOI: 10.1080/09500693.2014.937787
- Ruiz-Primo, M.A., Li, M., Wills, K., Giamellaro, M., Lan, M-C., Mason, H., Feehan, J., Orgeron, M., Sands, D. (2012). An approach for developing and evaluating instructionally sensitive assessments in science. *Journal of Research in Science Teaching*, 49:6, 691-712. DOI: 10.1002/tea.21030

## PEER REVIEWED NATIONAL/INTERNATIONAL PAPERS & PRESENTATIONS

- Giamellaro M., Siegel, D., Lopez, A. (proposed). *STEM Coach as Facilitator of Connectivity In and Beyond a School District*. Paper proposed for the NARST Annual International Conference, San Antonio, TX.
- Siegel, D. & Giamellaro, M. (proposed). *Defining STEM in a Rural School District: A Co-Constructed and Co-Evolving Process*. Paper proposed for the NARST Annual International Conference, San Antonio, TX.
- Giamellaro M., Siegel, D., Lopez, A. (proposed). Impacts of a K-12 STEM Coach from Multiple Perspectives. Paper proposed for the American Educational Research Association annual meeting, San Antonio, TX.
- Giamellaro M., Siegel, D., Prevenas, P. (2016, January). *Teacher's Reactions to and Utilization of a STEM Coach*. Paper presented at the Annual International Meeting of the Association for Science Teacher Educators, Reno, NV.
- Giamellaro, M. (2015, October). *Pathfinder: Measuring Experiential Learning Through Network Modeling*. Proceedings of the 2015 Symposium on experiential education research, Portland, OR. <http://www.aee.org/seer>.
- Prevenas, P., Giamellaro, M. (2015, May) *The Engineering Design Process for K-3*. Presentation & Workshop at the NSTA STEM Symposium and Conference, Minneapolis, MN.
- Prevenas, P., VanAstlyne, H., Giamellaro, M. (2015, May). *English Language Learners: Integrating STEM and the novel "Freak The Mighty"*. Presentation & Workshop at the NSTA STEM Symposium and Conference, Minneapolis, MN, May 2015.
- Giamellaro, M., Siegel D., Prevenas, P., Gess-Newsome, J., Garber, S., Fields, T., Kudlac, B., Baxter, J., Cloud, G., Dove, M., Goad, D., Danos, K., Little, N. (2015, January). *Implementing Inclusive STEM across a Rural K-12 District*. Experiential session that included other researchers and teachers involved in the project. Presented at the Annual International Meeting of the Association for Science Teacher Educators. Portland, OR, January 2015.
- Giamellaro, M. (2014) *Measuring situated learning*. In J. Settlage & A. Johnston (Eds.), Proceedings of the Science Education at the Crossroads Conference (pp. 36-37). Portland, OR. [Available online <http://www.sciedxroads.org/2014/2014Proceedings.pdf>].
- Giamellaro, M. (April, 2014). *Science learning and levels of contextualization*. Paper presented at the National Association for Research in Science Teaching annual international conference, Pittsburgh, PA. DOI: 10.13140/RG.2.1.1688.0482

- Giamellaro, M. (2013, Sept.) *Student use of facilitated versus peripheral learning opportunities to develop conceptual science knowledge in contextualized, outdoor settings*. Paper presented at the European Science Education Research Association conference, Nicosia, Cyprus.
- Giamellaro, M. (2013, April). *The role of the physical environment in contextualizing science learning*. Paper presented at the National Association for Research in Science Teaching annual international conference, Rio Grande, Puerto Rico.
- Ruiz-Primo, M.A., Li, M., Birby, E., Edwards, A., Wang, T., Zhao, D.Y., Giamellaro, M. (2013, April). *Looking at quality of instruction and students' performance: Where do the teachers' questions come from?* Paper presented at the National Association for Research in Science Teaching annual international conference, Rio Grande, Puerto Rico.
- Li, M., Ruiz-Primo, M.A. Wang, T., Giamellaro, M., Wills, K., Zhao, D.Y. (2013, April). *Comparing Item Formats of Instructionally Sensitive Assessments*. Paper presented at the National Association for Research in Science Teaching annual international conference, Rio Grande, Puerto Rico.
- Giamellaro, M. (2012, April) *Using pathfinder networks to model conceptual change of students participating in field science classes*. Poster presented at the Symposium on Network Science in Biological, Social, and Geographic Systems. University of Wyoming, Laramie.
- Giamellaro, M., Ruiz-Primo, M. A., Li, M. (2012, March) *Quality elementary science teaching as reflected in productive failure*. Paper presented at the National Association for Research in Science Teaching annual international conference, Indianapolis.
- Giamellaro, M., Sands, D., Wills, K., Ruiz-Primo, M. A., Li, M. (2012, April). *Is this testing what was taught? Teachers' and students' perceptions of instructionally sensitive assessments*. Paper presented at the American Educational Research Association annual meeting, Vancouver, B.C.
- Lan, M-C., Li, M., Ruiz-Primo, M.A., Wang, T., Giamellaro, M., Mason, H. (2012, April). *Linking quality of instruction to instructionally sensitive assessments*. Paper presented at the American Educational Research Association annual meeting, Vancouver, B.C.
- Li, M., Lan, M-C., Ruiz-Primo, M.A., Giamellaro, M., Wang, T. (2012, March). *Supporting students to make conceptual connections*. Paper presented at the National Association for Research in Science Teaching annual international conference, Indianapolis.
- Li, M., Ruiz-Primo, M.A., Giamellaro, M., Wills, K. (2012, April). *Instructionally sensitive assessments across three science units*. Paper presented at the American Educational Research Association annual meeting, Vancouver, B.C.
- Li, M., Ruiz-Primo, M.A., Giamellaro, M., Wills, K., Mason, H., Feehan, J. (2012, April). *Sensitivity and transfer of learning at different distances: Close, proximal and distal assessment items*. Paper presented at the American Educational Research Association annual meeting, Vancouver, B.C.
- Mason, H., Ruiz-Primo, M.A., Giamellaro, M., Li, M. (2012, March) *What do students' science notebooks reflect about the quality of teaching students received?* Paper presented at the National Association for Research in Science Teaching, annual international conference, Indianapolis.
- Ruiz-Primo, M. A., Li, M., Giamellaro, M., Wills, K., Mason, H., Lan, M-C, Sands, D. (2012, April) *Instructionally sensitive assessments and curricula characteristics: Learning goals, opportunities to achieve them, and opportunities to transfer them*. Paper presented at the American Educational Research Association, annual meeting, Vancouver, B.C.

- Ruiz-Primo, M.A., Li, M., Giamellaro, M., Wills, K. (2012, April). *An approach to develop and evaluate assessments at different distances to a curriculum*. Paper presented at the annual meeting of the National Council on Measurement in Education, Vancouver, B.C.
- Wang, T., Lan, M-C., Giamellaro, M., Zhao, D.Y., Birkby, D., Ruiz-Primo, M.A., Li, M. (2012, March). *Knowledge of learning goals as a navigation tool in curriculum implementation*. Paper presented at the National Association for Research in Science Teaching annual international conference, Indianapolis.
- Giamellaro, M., Lan, M-C, Ruiz-Primo, M. A., Li, M., Tasker, T. (2011, April). *Mapping science curricula: A method for supporting teachers in the articulation of learning goals*. Paper presented at the American Educational Research Association annual meeting, New Orleans.
- Giamellaro, M., Lan, M-C, Ruiz-Primo, M. A., Li, M. (2011, April). *Addressing elementary teacher misconceptions in science and supporting peer learning through curriculum mapping*. Paper presented at the National Association for Research in Science Teaching annual international conference, Orlando.
- Ruiz-Primo, M.A., Li, M., Sands, D., Wills, K., Giamellaro, M., Jones, A. (2011, April) *Developing instructionally sensitive assessments: Lessons learned about the manipulation of close and proximal item characteristics*. Paper presented at the National Association for Research in Science Teaching annual international conference, Orlando, FL.
- Luce, A., Giamellaro, M., Calcote, M., Marlow, M. (2007, October) *iPods in education: A reflective tool for experiential education*. Paper presented at the annual meeting of the Northern Rocky Mountain Educational Research Association, Jackson Hole, WY.

## REGIONAL PRESENTATIONS AND OUTREACH

- Giamellaro, M. & Knapp, M., Phinney, R. (2016, July). LaPine STEM Camp. Facilitated and organized a free, 3-day STEM Camp taught by my MAT students for LaPine Middle School students. Collaboration between OSU, LaPine Middle, the High Desert Museum, and the Central Oregon STEM Hub.
- Lopez, A., Giamellaro, M., Siegel, D. (2016, May). *The evolution of a STEM coach's role in a school change initiative*. Poster presented at the OSU-Cascades Student Research Symposium, Bend, OR.
- Schenkelberg, R., Siegel, D., Giamellaro, M. (2016, May). *STEM to TEAMS: The evolution of an identity*. Poster presented at the OSU-Cascades Student Research Symposium, Bend, OR.
- Finney, C., Harper, A., Giamellaro, M., Parks, E., Peterson, A., Santasiero, E., Taylor, A., Thompson, S. (2016, March). *How much is our personality, history, culture, and even desire embedded in the way we do research?* Panel Discussion For OSU-Cascades faculty salon series, Bend, OR.
- Giamellaro, M. (2015, November). *Data and directions forward II: The state of the Culver/OSU STEM project*. Presentation to the Culver School District, Culver, OR.
- Giamellaro, M., Siegel, D., Prevenas, P. (2015, October) *District-wide inclusive STEM*. Presentation at the Oregon Science Teachers Association (OSTA), Bend, OR.
- Prevenas P., Giamellaro, M. (2015, October) *C4K: Coding for Kinders*. Presentation at the Oregon Science Teachers Association (OSTA), Bend, OR.

- Giamellaro, M. (July 2014 & 2015). Camp Tamarack STEM Experience. Facilitated and organized free, 2-day STEM Camps taught by my MAT students for upper elementary and middle school students. Collaboration with Camp Tamarack.
- Prevenas, P., VanAstlyne, H., Giamellaro, M. (2015, April). *Rigorous and relevant: Supporting English language learners through STEM*. Presentation at the annual conference of the Oregon Association for Career and Technical Education (OACTE), Sunriver, OR.
- Platt, C., Giamellaro, M. (2015, March). *The EdTPA Experience: Lessons from an Early Adopter*. Presentation at the annual conference of the Oregon Association of Teacher Educators (ORATE), Portland, OR.
- Prevenas, P., VanAstlyne, H., Giamellaro, M. (2015, March). *STEM + ESL = Learning*. Annual English Learner's Alliance Conference of the Confederation of Oregon School Administrators. Eugene, OR.
- Giamellaro, M. (2014, December). *Data and directions forward: The state of the Culver/OSU STEM project*. Presentation to the Culver School District, Culver, OR. February 2015.
- Giamellaro, M. (2014, December). *Teaching for Contextualization*. Lecture presented to Black Butte School Board and Curriculum Committee, Camp Sherman, OR.
- Giamellaro, M. *Using clicker technology for formative assessment*. (2014, October). Guest lecturer in Dr. Carolyn Platt's graduate level "assessment to improve instruction" course.
- Giamellaro, M. (2013, October). *Using lesson study to build professional learning communities for curriculum reform*. Workshop presented to the staff of Culver School District, Culver OR.
- Giamellaro, M. (2013, April). *Science: Out of the classroom and into the real world*. Public Lecture presented at Oregon State University- Cascades' "It's in the Bag Lunchtime Lecture Series." Bend, OR.
- Giamellaro, M. (2012, June). *Science immersion experiences: Contextualized learning and its impact on conceptual understanding in high school students*. Seminar presented to the Science and Math Education Department, Oregon State University, Corvallis, OR.
- Giamellaro, M. (2009, September). Guest Lecturer, graduate-level experiential education pedagogy class at the University of Colorado, Denver. Michael Marlow, Professor.

## **TEACHER PROFESSIONAL DEVELOPMENT**

- Giamellaro, M., O'Connell, K., Knapp, M. (2016, Fall). Numbers in Nature, Math on the Mountain coursework and coaching. Led coursework (ED 808) for 30 teachers to continue data literacy work as teacher-scientist partnership and provided *in situ* teacher coaching.
- Giamellaro, M., O'Connell, K., Knapp, M. (2016, July). Numbers in Nature, Math on the Mountain Summer Retreat. Led a four-day teacher-scientist partnership retreat to support 30 teachers in using geographically contextualized data with math and science in grades 4-12.
- Prevenas P., Giamellaro, M., Bezdek, K., Rico, P., Wagner, C., Nanez, S. (2015, August) *STEM Summer Institute*. Organized a week-long summer institute for K-12 teachers to support them in the development of STEM-focused, Project-Based Learning curriculum units that vertically align to NGSS across the K-12 Spectrum. Participants earned graduate professional development credits.

- Giamellaro, M., Daily, Q. (Spring, 2015). Co-taught 3 credit SED 599 course, *Developing STEM Content into Project-Based Curricula Part 2* for in-service teacher development- Culver, Black Butte, and Redmond Schools.
- Giamellaro, M., Prevenas P. (2014, August) *STEM Summer Institute*. Organized and led a week-long summer institute for K-12 teachers to support them in the development of STEM-focused, Project-Based Learning curriculum units.
- Giamellaro, M., Daily, Q. (Spring, 2014). Taught 3 credit SED 599 course, *Developing STEM Content into Project-Based Curricula Part 1* for in-service teacher development with Culver Schools.
- Giamellaro, M. (2014, February) *Aligning integrated curricula to the Next Generation Science Standards*. Workshop presented to the staff of Culver School District, Culver OR.
- Giamellaro, M., Dollar, N. (2013, August). *Integrating curricula with a STEM approach*. Workshop presented to the staff of Culver School District. Bend, OR.
- Giamellaro, M. (2013, April) *What exactly is inquiry?* Workshop presented to staff of Bear Creek Elementary School, Bend, OR.

## GRANT ACTIVITY

### *Funded*

- Giamellaro, M., O'Connell, K. (OSU), Knapp, M. (OSU), Kudlac, B. (Culver Schools) & other partners (2016, January). *Numbers in nature, math on the mountain: A teacher-scientist partnership to contextualize STEM instruction*. Funded by the Oregon University-School Partnership Program, A U.S. Dept. of Education grant via The Teaching and Research Institute at Western Oregon University. **Funded for 2016-2017: \$164,777.**
- Central Oregon STEM Hub (Giamellaro supporting contributor). (2016, February) *Regional STEM Hub – Programmatic Grant*. Funded through the Oregon Department of Education. **Funded for 2016-2017: \$195,000.**
- Central Oregon STEM Hub (Giamellaro supporting contributor). (2015, November) *Regional STEM Hub – Continuation Backbone Grant*. Funded through the Oregon Department of Education. **Funded for 2015-2017: \$165,000.**
- Platt, C., Giamellaro, M. *Supporting 21<sup>st</sup> century teachers at OSU-Cascades*. (2014, November) Funded through the internal OSU Learning Innovation Grant. **Funded for 2015: \$10,000.**
- Giamellaro, M. (PI), Kudlac, B. (Culver School District), Gess-Newsome, J. (OSU), Dollar, N. (OSU). (2014, January). *The Cascades STEM Lab School Cooperative*. (2014, January). Oregon Department of Education STEM Lab School Grant. \$475,964, 1.2 years. **Funded for 2014-15: \$475,964.**
- Whitelaw, D (High Desert Museum), Giamellaro, M., Bermudez, L. (Bend Science Station), Wopschall, K. (High Desert Museum). (2014, January). *Central Oregon STEM Hub*. Oregon Department of Education STEM hub initiative. **Funded for 2014-15: \$123,843.**
- Giamellaro, M. (PI), Gess-Newsome, J. (OSU), Dollar, N. (OSU), Garber, S. (Culver Schools), Kudlac, B. (Culver). (2013, December). *Cultivating a STEM learning community in rural Oregon: A K-12/ university partnership*. Oregon University/School Partnership program supported by the U.S. Dept. of Education (Title II-a). **Funded for 2014-15: \$240,000.**

Barber, J.R. (Boise State), Francis, C. (Cal Poly), Giamellaro, M., Monz, C. (Utah State), Newman, P. (Penn State). (2013, May). *Soundscapes as coupled systems of biodiversity and human experience*. OSU role was broader impacts support and evaluation. NSF. Proposed \$1,499,970, 4 years. Funded at \$600,000 but broader impacts (OSU/Giamellaro Role) cut.

Platt, C., Giamellaro, M. *Supporting 21<sup>st</sup> century teachers at OSU-Cascades*. (2013, February). Funded through the internal OSU Technology Resources Fund (TRF). **Funded for 2013: \$24,075.**

Giamellaro, M. (2013, March). Internal OSU internationalization grant funded travel to Cyprus for ESERA conference and collaboration. **Funded for 2013: \$2500.**

#### *Pending*

Giamellaro, M. (2016, July). CAREER: Contextualization Level as Link Between Comprehension and Transfer. Submitted to the National Science Foundation's CAREER and Education and Human Resources Division. (\$662,000, 5 years).

#### *Not Funded*

Giamellaro, M., Siegel, D.(OSU), Kudlac, B. (Culver Schools). (2016, June). *From seed to STEM: Co-developing a model of rural, K-12 STEM*. Submitted to the Spencer Foundation's Research-Practice Partnership grant program. (\$384,000, 3 years).

Giamellaro, M. (February, 2016) *Extracting the lessons learned from a STEM innovation*. Submitted to the OSU General Research Fund. \$9844 for 8 months in 2016.

Platt, C. (PI), Giamellaro, M., Schuetz, R., Knapp, M. (December, 2015). *Continued support for teaching with technology at OSU-Cascades*. Submitted to the OSU Learning Innovation Grant Program. \$6200 for 2016.

Giamellaro, M., Siegel, D.(OSU), Kudlac, B. (Culver Schools). (2015, April). *From seed to STEM: Co-developing a model of rural, K-12 STEM*. Submitted to the Spencer Foundation's Research-Practice Partnership grant program. (Not funded).

Giamellaro, M., Gess-Newsome, J (OSU). (2015, February) *Connections to context: Examining the situatedness of STEM contextualization for learners in rural settings*. Submitted to the National Science Foundation's Education Core Research program in the EHR Directorate. (Not funded).

Francis, C.(Cal Poly), Barber, J. (Boise State), Giamellaro, M. (2014, July). *Collaborative Research: RUI: Direct and indirect effects of natural sounds on the structure of vertebrate insectivore communities*. OSU role was broader impacts and RET support and evaluation. NSF. Invited for proposal following pre-proposal. (Not funded).

Miller, J.R. (U. Kansas), Hirmas, D.R. (U. Kansas), Slocum, T.R. (U. Kansas), Reuter, R.J. (OSU-Cascades), Giamellaro, M. (2012, December). *Collaborative research: SoilKit: Developing a virtual soil monolith database to enhance high school science education*. NSF DRK-12. Not funded.

Barber, J.R. (Boise State U.), Goldstein, J. (Colorado State U.), Newman, P. (Colorado State U.), Monz, C. (Utah State U.), Taff, D. (Colorado State U.), McClure, C. (Boise State U.), Giamellaro, M., Francis, C. (Nat'l Evolutionary Synthesis Center), Fristrup, K. (Nat'l Park Service), Chalfoun, A, (U. of Wyoming). (2012, October) *Reciprocal connections between humans, soundscapes and wildlife: Understanding the coupled impacts of*

*reduced listening area*. NSF Dynamics of Coupled Human and Natural Systems (CNH). Not funded.

Giamellaro, M., Jones, S., Starek, P., Herman, S., Scully, D. with Barber, J. (2009, May) *Impact of passive recreation on ecological communities as assessed through acoustic inventory: High school citizen science*. Boulder County Parks and Open Space Small Grants Program. Not funded.

## AWARDS AND HONORS

2016, OSU-Cascades Scholarship and Creative Activity Award

2015, Fred Fox Distinguished Service to Science Education Award. Oregon Science Teachers Association

2004, Outstanding Graduate Award, University of Colorado Denver

## PROFESSIONAL AFFILIATIONS

AACTE, American Association of Colleges for Teacher Education

AEE, Association for Experiential Education

AERA, American Educational Research Association

ASTE, Association for Science Teacher Education

ESERA, European Science Education Research Association

NARST, National Association for Research in Science Teaching (reviewer)

NSTA, National Science Teachers Association

ORATE, Oregon Association of Teacher Educators

OSTA, Oregon Science Teachers Association

## CERTIFICATIONS

Colorado Department of Education: Secondary Science Professional Teaching License

## SERVICE

- **Co-founder and executive board member, Central Oregon STEM Hub (2014-present)**
- Reviewer for *Science Education*.
- OSU College of Education Strategic Planning Committee member.
- Grant and expertise support to American Association for University Women STEM Project (funded) and STEM Hub/ regional school district consortium *Math in Real Life* grant (funded). (2016).
- ASTE conference session presider, (2016)
- ASTE conference proposal reviewer (2015, 2016).
- Primary role in complete redesign of the OSU-Cascades MAT curriculum and program 2014-2015.
- Designed, obtained IRB approval, and conducted survey for Deschutes Children's Forest (~2000 teacher recipients) 2014, 2015.
- Consultation and Support: Black Butte School District: Curriculum design and structure (2014-2015)
- OSU-Cascades Campus Culture Committee (2014-present)
- Consultation and Support: Culver School District conversion to STEM curriculum, (2013-present)

- OSU SMILE (Science & Math Investigative Learning Experiences) campus facilitator (2015)
- Search Committees: Elementary and Secondary Full Time Instructors in MAT Program (2014-15)
- OSU-Cascades office and space use committee (2014-2015)
- NARST conference proposal reviewer (2012, 2013, 2014)
- Oregon STEM Summit (2014), invited representative.
- Session presider/chair: AERA Annual Meeting (2014), NARST annual international conference (2014)
- Oregon Department of Education, State Science Standards and Assessment Panel (2014-2016)
- OSU Cascades, Peer Review of Teaching (PROT) committees (2013, 2014)
- OSU Cascades new campus committees (technology, architecture, lab spaces)
- AERA conference proposal reviewer (2013)
- Search Committee: HR administrator (2013)
- OSU-Cascades library technology committee (2012, 2013)
- OSU STEM Center for Lifelong Learning, broader impacts invitational (2012)

### **NON-ACADEMIC PUBLICATIONS**

Giamellaro, M. (2005). Source to sea. *Paddler*. July/Aug.

Giamellaro, M. (2001). Paddling to the center of Asia. *Paddler*. Sept./Oct.