***Tamara Holmlund Nelson***

*Professor, Science Education*

College of Education – Washington State University Vancouver

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**Professional Preparation**

Ph.D. 2002. University of Washington. Curriculum & Instruction; specialization in Science Education. Dissertation: *Dialogic Inquiry in School-University Partnerships: Case Studies of Teacher-Graduate Student Partnerships in Science Education*

M.Ed. 1996. Western Washington University. Science Education; specialization in Natural Science. Thesis: *Development and Implementation of an Interdisciplinary High School Program with Exhibition Assessment*

B. S. 1980 The Evergreen State College. Marine biology and ecology.

**Educational Work Experience**

2002-present **Full (2014) Professor**, Science Education, Washington State University Vancouver. Research agenda focuses on how teachers transform new understandings about science and STEM teaching and learning into classroom practice, especially to successfully and meaningfully engage underrepresented student populations in science learning.

2000-2002  **Research Assistant**. University of Washington, College of Education. Seattle, Washington. Initiated and conducted a study of the NSF-funded PRIME partnerships (Partnership for Research in Inquiry-Based Math, Science, & Engineering Education) between scientists and science teachers.

2000-2001 **Instructor**, Science Education, University of Washington. Seattle, Washington.Developed and taught graduate level courses in science education, including *“Culturally and locally responsive mathematics and science teaching”* and *“Shifting the curriculum: Adopting inquiry and project-based science.”*

1998-2000 **Teaching Assistant**, University of Washington. Seattle, Washington.Assisted in planning, teaching, and assessing graduate-level secondary and elementary science education and technology courses. Mentored graduate students in developing professional electronic portfolios.

1996-1997, 1999 **Instructor**, Western Washington University. Bellingham, Washington. Developed and taught Elementary/Middle School Science Methods for undergraduates as a “Teacher-in-Residence.”

1984-1996 **Teacher,** High School Math & Science. Snohomish, Washington.

 **Teacher,** Junior High Math & Science. Snohomish, Washington.

 **Teacher,** High School Science. Boca Raton, Florida.

**Refereed Publications (Articles & Book Chapters)**

Slavit, D., Deuel, A., & Nelson, T. H. (in press). Creating useful and helpful classroom assessments: Practices, data, and conversations. *2017 Annual Perspectives in Mathematics Education.* Reston, VA: The Council.

Lesseig, K., Slavit, D., & Nelson, T. H. (in press). Jumping on the STEM bandwagon: How middle grades students and teachers can benefit from STEM experiences. *Middle School Journal*.

Slavit, D., Nelson, T. H., & Lesseig, K. (2016). The teachers’ role in developing, opening, and nurturing an inclusive STEM-focused school. *International Journal of STEM Education 3*(1), 1-17. DOI:10.1186/s40594-016-0040-5.

Seidel, R., Lesseig, K., Nelson, T. H., & Slavit, D. (2016). Implementing STEM design challenges in classrooms. *School Science and Mathematics Research to Practice.*

Lesseig, K., Nelson, T. H., Slavit, D., & Seidel, R. (2016). Supporting middle school teachers’ implementation of STEM design challenges. *School Science and Mathematics 116*(4), p. 177-188*.* DOI: 10.1111/ssm.12172

Slavit, D. & Nelson, T.H. (2015). How changes in instruction force changes in assessment: The case of an inclusive STEM-focused school. *2015 Annual Perspectives in Mathematics Education.* Reston, VA: The National Council of Teachers of Mathematics.

Slavit, D., deVincenzi, A., Lesseig, K., Nelson, T.H., & Ernst-Slavit, G. (2014). Developing an improving stance toward research in preservice teachers. In P. Blessinger & J. M. Carfora (Eds.) *Inquiry-Based Learning for the Arts, Humanities, and Social Sciences: A Conceptual and Practical Resource for Educators* (pp. 455-474). Bingley, U.K.: Emerald Publishing.

Slavit, D., Nelson, T. H., & Deuel, A. (2013). Teacher groups’ conceptions and uses of student-learning data. *Journal of Teacher Education 64*(1); 8-21.

Nelson, T. H., Slavit, D., & Deuel, A. (2012). Two dimensions of an inquiry stance toward student learning data. *Teachers College Record 114*(8), 1-42*.*

Slavit, D., Kennedy, A., Lean, Z., Nelson, T.H., & Deuel, A. (2011). Support for professional collaboration in middle school mathematics: A complex web. *Teacher Education Quarterly 38*(3), 113-131.

Kennedy, A., Deuel, A., Nelson, T. H., & Slavit, D. (2011). Requiring collaboration or distributing leadership? *Phi Delta Kappan* *29*(8), 20-24.

Slavit, D., Nelson, T. H., & Kennedy, A. (2010). Laser focus on content strengthens teacher teams. *Journal of Staff Development* *31*(5), 18-20, 22.

Nelson, T. H., LeBard, L, & Water, C. (2010). How to create a professional learning community. *Science and Children 47*(9)*,* p. 36-40.

Slavit, D. & Nelson, T. H. (2010). Collaborative teacher inquiry as a tool for building theory on the development and use of rich mathematical tasks. *Journal of Mathematics Teacher Education, 13*, 201-221*.*

Nelson, T. H., Deuel, A., Slavit, D., & Kennedy, A. (2010). Leading deep conversations in collaborative inquiry groups. *The Clearing House 83*(5), p. 175-179.

Deuel, A., Nelson, T. H., Slavit, D., & Kennedy, A. (2009). Looking at student work. *Educational Leadership,* *67*(3), 60-72.

Nelson, T. H. (2009). Teachers’ collaborative inquiry and professional growth: Should we be optimistic? *Science Education, 93*(3), 548-580.

Nelson, T. H. (2008). Making the hidden explicit: Learning about Equity in K-8 Preservice Science Education. *Journal of Science Teacher Education*, *19*(3), 235-254.

Nelson, T. H., Slavit, D., Perkins, M,. & Hathorn, T. (2008). A culture of collaborative inquiry: Learning to develop and support professional learning communities. *Teachers College Record, 110*(6), 1269-1303.

Nelson\*, T. H. & Slavit\*, D. (2008). Supported teacher collaborative inquiry. *Teacher Education Quarterly, 35*(1), 99-116. (\*equal contributions as authors)

Nelson, T. H. & Slavit, D. (2007). Collaborative inquiry amongst science and mathematics teachers in the U.S.A.: Professional learning experiences through cross-grade, cross-discipline dialogue. *Journal of In-Service Education, 33*(1), 23-39.

Slavit, D. & Nelson, T. H. (2006). Dialogic teacher change: Two cases of supported collaborative inquiry. *Working Papers on Culture, Education and Human Development, 2*(2). <http://www.uam.es/otros/ptcedh/>

Nelson, T. H. (2005). Knowledge interactions in teacher-scientist partnerships: Negotiation, consultation, and rejection. *Journal of Teacher Education, 56*(4), 382-395.

Nelson, T. H. (2004, March). Helping students make connections. *The Science Teacher, 71*(3), 32-35.

Moscovici, H. & Nelson, T. H. (1998). Shifting from activitymania to inquiry. *Science & Children, 35*(4), 14-17.

**Other Books and Book Chapters**

Nelson, T. H. (2009). Building leadership capacity by nurturing community. In Wieseman, K. & Weinburgh, M. (Eds.) *Becoming and leading in the K-16 science education community: Women’s experiences*. Springer Publishing.

Slavit, D., Nelson, T. H., & Kennedy, A. (Eds.) (2009). *Perspectives on supported collaborative inquiry*. New York: Routledge.

Slavit, D. & Nelson, T. H. (2009). Supported collaborative teacher inquiry. In Slavit, D., Nelson, T. H., & Kennedy, A. (Eds.) *Perspectives on supported collaborative inquiry*. New York: Routledge.

Nelson, T. H., Kennedy, A., Deuel, A., & Slavit, D. (2009). The influence of standards and high-stakes test-related documents on teachers’ collaborative inquiry. In D. Slavit, T. H. Nelson & A. Kennedy (Eds.), *Perspectives on supported collaborative teacher inquiry*. New York: Routledge.

Slavit, D., Laurence, W., Kennedy, A., & Nelson, T. H. (2009). Resource networks for collaborative teacher inquiry. In Slavit, D., Nelson, T. H., & Kennedy, A. (Eds.) *Perspectives on supported collaborative inquiry*. New York: Routledge.

Kennedy, A., Slavit, D. & Nelson, T. H. (2009). Supporting collaborative teacher inquiry. In Slavit, D., Nelson, T. H., & Kennedy, A. (Eds.) *Perspectives on supported collaborative inquiry*. New York: Routledge.

**Invited Publications**

Nelson, T. H., Deuel, A., Slavit, D., & Kennedy, A. (2014). Leading deep conversations in collaborative inquiry groups (adapted from 2010 publication). My Digital Chalkboard: Where California Educators Collaborate. <https://www.mydigitalchalkboard.org/portal/default/Resources/Viewer/ResourceViewer?action=2&resid=510291>

Nelson, T. H. (2009). Review of the book *Teachers in professional communities* by A. Lieberman & L. Miller. *Teachers College Record*, Date Published: February 09, 2009. [http://www.tcrecord.org](http://www.tcrecord.org/Home.asp)

Nelson, T. H. (2005, September). Paying attention to equity in preservice science teaching: Bridging K-12/13-20 science education in Washington. *Washington Science Teachers’ Journal, 45*(3), 12-13.

**Regional Publications**

Slavit, D., Kennedy, A., Nelson, T., & Deuel, A. (2011). Reframing teacher leadership in the context of collaborative doing. *Curriculum in Context, 37*(1), p. 19-22.

Slavit, D., Nelson, T., Kennedy, A., & Laurence, W. (2007). The power of teachers working with teachers. *Curriculum in Context*, *34*(1), p. 6-9.

**Conference Proceedings**

Slavit, D. Nelson, T. H., Deuel, A. F., & Mason, M. (2011). A framework for analyzing teachers’ use of data during collaborative inquiry. *Proceedings of the Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Reno, NV.

Slavit, D., Nelson, T. H., Kennedy, A., Deuel, A. & Mason, M. (2009). Supporting collaborative teacher inquiry. *Proceedings of the Research on Collaborative Teacher Inquiry Conference*, Skamania, WA.

Nelson, T. H., Slavit, D., Deuel, A., Kennedy, A., & Mason, M. (2009). A three-dimensional theoretical framework for understanding teachers’ use of classroom-based data in collaborative groups *Proceedings of the Research on Collaborative Teacher Inquiry Conference*, Skamania, WA.

**External Grants Received**

Nelson, T. H., Kruse, S., Morrison, J., & Rollwagen-Bollens, G. *Collaborative research: The next generation of STEM teacher preparation in Washington State*. National Science Foundation Improvement of Undergraduate Educationprogram. $296,234 funded for WSUV, as part of a $3 million collaborative project with Co-PIs Geary, E., Antilla, J., Baldwin, K., Dechaine-Berkas, J., Nelson, T. H.

Rollwagen-Bollens, G., Nelson, T. H., & Bollens, S. *Columbia River Estuary Science Education and Outreach (CRESCENDO): A Landscape-scale University-High School Partnership Integrating Scientific and Educational Research*. Washington Sea Grant; 2/1/16 – 1/31/18; $219,570.

Lesseig, K. (PI), Siegel, R. (Co-PI), Nelson, T. H., Ferguson, G., Dimitrov, A., Kennedy, C., Archer, T., Rhodes, H., Bluestein, S., Walker, C., and Jones, K. (2013). *Increased STEM achievement through multi-level learning inquiry teams (STEM-LIT).* Federal ESEA, Title II Part B/Office of the Superintendent of Public Instruction Mathematics and Science Partnership Award. A 3-year, $750,000 project. (Budget management through ESD 112)

Nelson, T. H. (Primary Investigator), Slavit, D. (Co-P.I.). (2008). Supplement to *A study of professional learning communities amongst secondary science and mathematics teachers: Changes, support systems, and student learning.* National Science Foundation Teacher Professional Continuum Award. $21,936 funded.

Rollwagen-Bollens, G. (Primary Investigator), Bollens, S. M., Kennedy, A., Lock, B., Nelson, T. H., & Tissot, B. (2008-present). *Global change in a local context: Partners in discovery of the Columbia River watershed*. National Science Foundation GK12 Award. $2.7 million funded for a 5-year project.

Nelson, T. H. (Primary Investigator), Slavit, D. (Co-P.I.). (2006-2012). *A study of professional learning communities amongst secondary science and mathematics teachers: Changes, support systems, and student learning.* National Science Foundation Teacher Professional Continuum Award. $383,174 funded for 2006-07; $446,156 funded for 2007-08, $451,436 funded for 2008-09, $459,566 funded for 2009-2010 of a $1.9 million, 4.5-year project.

Nelson, T. H. & Slavit, D. (Co-Primary Investigators). (2004-2007). *Partnerships for Reform in Secondary Science & Mathematics* (PRiSSM). Department of Education Title IIB/Office of the Superintendent of Public Instruction Award. A 3-year, $1.4 million project.

Nelson, T. H. & Slavit, D. (Co-Primary Investigators). (2003). *Improving Instruction through Exemplars in Mathematics & Science* (IITEMS). Office of the Superintendent of Public Instruction. $90,739 funded.

**Selected Presentations at Professional Meetings**

Nelson, T. H., Goodwin, J, Kent, A., Kenworthy, F., & Reynosa, J. (November, 2016). Implementing elementary STEM design challenges. Poster presentation at the National Science Teachers Association Regional Conference. Portland, OR.

Nelson, T. H., Lesseig, K, & Slavit, D. (November, 2016). What does STEM education look like in a 6th-12th grade classroom? Interactive presentation at the National Science Teachers Association Regional Conference. Portland, OR.

Slavit, D., Lesseig, K., Nelson, T. H., & deVincenzi, A. (October, 2016). What is STEM education: Views and examples from the field. Presentation at the 55th annual meeting of the Northwest Mathematics Conference. Yakima, WA.

Baldwin, K., Egger, A., Geary, E., Nelson, T. H., & Nollmeyer, G. (September, 2016). The next generation of education for sustainability. Presentation at the annual meeting of the Geological Society of America. Denver, CO.

Geary, E., Antilla, J., Baldwin, K., Clark-Blickenstaff, J., Dechaine, J., Ebert, E., Hanley, D., Nelson, T.H., Rios, J., Ronca, R., & Wright-Mockler, A. (September, 2016). Adapting Washington State’s teacher preparation programs to support implementation of the Next Generation Science Standards. Presentation at the annual meeting of the Geological Society of America. Denver, CO.

Nelson, T. H., Lesseig, K., & Slavit, D. (April, 2016). Varying conceptualizations of “STEM Education” and the implications for professional development. Poster presentation at the annual meeting of the National Association for Research in Science Teaching. Baltimore, MD.

Nelson, T. H., Lesseig, K., & Slavit, D. (March, 2016). Implementing STEM design challenges at the middle school level. Interactive workshop presented at the National Science Teachers Association International Conference. Nashville, TN.

Nelson, T. H., Lesseig, K., & Slavit, D. (March, 2016). Making sense of STEM education in a K-12 context. WSU Academic Showcase. Pullman, WA.

Nelson, T. H., Lesseig, K., Slavit, D., Kennedy, C., & Seidel, R. (April, 2015). Supporting middle school teachers’ implementation of STEM design challenges. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. Chicago, IL.

Nelson, T. H. & Iremonger, C. I. (March, 2015). Learning from the first two years of an inclusive, STEM-focused, project-based secondary school. Interactive workshop presented at the National Science Teachers Association International Conference. Chicago.

Nelson, T. H., Lesseig, K., & Slavit, D. (2015). Middle school teacher and student learning through project-based STEM education. Themed paper set (with J. Morrison & J. Firestone) at the annual meeting of the Association for Science Teacher Education, Portland, OR.

Nelson, T. H. & Slavit, D. (2014). Implementing project-based learning in a new STEM-focused secondary school. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching, Pittsburgh. 10.13140/2.1.1309.6008

Slavit, D., Iremonger, C., & Nelson, T.H. (2014). Supporting school-wide efforts to enact project-based learning in mathematics. Paper presented at the 18th Annual Meeting of the Association of Mathematics Teacher Educators. Irvine, CA.

Nelson, T. H., Holm, J., & Meade, D. (2013). Implementing interdisciplinary STEM projects, Year 1. One hour interactive workshop at the National Science Teachers Association regional conference, Portland, OR.

Nelson, T. H., Simpson, L., & Iremonger, C. (2013). Connecting students and community in a new STEM-focused school. One hour interactive workshop at the National Science Teachers Association regional conference, Portland, OR.

Slavit, D. Nelson, T. H., & Deuel, A. (2013). Teacher talk during collaborative inquiry: Results of a three-year analysis. Poster presentation at the annual meeting of the American Educational Research Association. San Francisco, CA.

Slavit, D., deVincenzi, A., Castro, E, Nelson, T. H., & Ernst-Slavit, G. (2013). Developing an improving stance toward research in preservice teachers. Poster presentation at the annual meeting of the American Educational Research Association. San Francisco, CA.

Nelson, T. H., Slavit, D., & Deuel, A. (2013). Teachers’ collaborative inquiry into scientific models: Making sense of standards. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. Puerto Rico.

Slavit, D, Roth-McDuffie, A., Lesseig, K. & Nelson, T.H. (2013, January). Establishing STEM-focused schools with diverse student populations. 17th Annual Conference of the Association of Mathematics Teacher Educators.

Slavit, D., Nelson, T. H., & Deuel, A. (2012). How teachers use and discuss student-learning data: A multi-case analysis. Roundtable presentation at the annual meeting of the American Educational Research Association. Vancouver, British Columbia.

Nelson, T. H., Slavit, D., & Deuel, A. (2012). The nature of teachers’ collaborative use of student learning data. Symposium at the annual meeting of the American Educational Research Association. Vancouver, British Columbia.

Nelson, T. H., Slavit, D., & Deuel, A. (2012). Talking about student learning: Science and mathematics teachers’ collaborative inquiry processes. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. Indianapolis, IN.

Rollwagen-Bollens G., T. Nelson, A. Kennedy, B. Lock, M. Graves, S. Bollens, B. Tissot. (2012). Building scientist-teacher collaborations to support student learning and inquiry skills.” Ecological Society of America Annual Meeting. Portland, OR.

Rollwagen-Bollens G., B. Lock, M. Graves, T. Nelson, A. Kennedy, B. Tissot, S. Bollens, K. James. (2012). Partners in Discovery of the Columbia River Watershed GK-12 Project: Building Lasting Collaboration through Scientist-Teacher Partnerships. National Science Foundation GK-12 Program Annual Meeting. Washington, DC.

Rollwagen-Bollens G., B. Lock, M. Graves, S. Bollens, B. Tissot, T. Nelson, A. Kennedy. (2012). Partners in Discovery GK-12 project at WSU Vancouver: Building scientist-teacher collaborations to support student learning and inquiry skills. 2012 Urban Ecology and Conservation Symposium. Portland, OR.

Slavit, D., Nelson, T. H., Deuel, A. F., & Mason, M. (October, 2011). A framework for analyzing teachers’ use of data during collaborative inquiry. Poster presented at the Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Reno, Nevada.

Nelson, T. H., Deuel, A., Slavit, D., & Mason, M. (2011). Teachers’ Engagement with Student Learning Data in a Collaborative Inquiry Cycle. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. Orlando, FL.

Kennedy, A., Deuel, A., Slavit, D., & Nelson, T. H. (2011). The role of distributed leadership in the development of a rural school professional learning community. Paper presentation at the annual meeting of the American Educational Research Association. New Orleans, LA.

Rollwagen-Bollens, G. S., Bollens, S, Tisssot, B., Nelson, T. H., Kennedy, A., & Locke, B. (2010). Partners in Discovery of the Columbia River Watershed GK-12 project: Connecting kids to their environment through student-driven research. ASLO-AGU Ocean Sciences Meeting. Portland, OR.

Nelson, T. H., & Slavit, D. (2010). Developing teacher leaders as facilitators of collaborative inquiry groups. Paper presentation at the annual meeting of the American Educational Research Association. Denver, CO, May 2.

Slavit, D., McDuffie, A. R., & Nelson, T. H. (2010). Self-directed teacher learning in collaborative contexts. Roundtable presentation at the annual meeting of the American Educational Research Association. AERA, Denver, CO, May 2.

Nelson, T. H. (2009). Collaborative inquiry in PLCs: Linking inquiry questions, learning expectations, and classroom data collection. One hour interactive workshop at the National Science Teachers Association regional conference, Phoenix, AZ.

Nelson, T. H., Waters, C., & LeBard, L. (2009). Using classroom-based data to inform teaching. One hour interactive presentation at the National Science Teachers Association regional conference, Phoenix, AZ.

Nelson, T. H., LeBard, L., & Waters, C. (2009). Collaborative inquiry in PLCs: Using focus questions and classroom-based data to improve teaching and learning. One hour interactive presentation at the National Science Teachers Association regional conference, Phoenix, AZ.

Nelson, T. H. (2009). Supporting teacher research: Inquiry, dialogue, engagement – A report on 4 year’s work. Poster presentation at annual NSF DRK12 Principal Investigator’s meeting. Washington, D.C.

Nelson, T. H., Slavit, D., and Deuel, A. (2009). Three dimensions of teachers’ collaborative inquiry: Using data to improve science teaching & learning. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. Garden Grove, CA.

Nelson, T. H. & Waters, C. (2009). Using classroom-based data to inform teaching. Invited symposium participant on Engaging with Teachers around Science Education Research at the annual meeting of the National Association for Research in Science Teaching. Garden Grove, CA.

Nelson, T. H. (2009). The nature and role of collaborative inquiry in science and mathematics teachers’ professional growth. Presidential Invited Session: Simple Participatory Accelerated Research Kick-Offs (SPARK) Talks at the annual meeting of the National Association for Research in Science Teaching, Garden Grove, CA.

Slavit, D. & Nelson, T. H. (2009). Moving away from a “proving” stance in teacher inquiry. Paper discussion at the annual meeting of the American Educational Research Association. San Diego, CA .

Nelson, T. H. & Slavit, D. (2009). Three Dimensions of Teachers’ Collaborative Inquiry: Using Data to Improve Science Teaching & Learning. Poster presentation at the WSUV Research Showcase, Pullman WA and Vancouver, WA.

Williams, M., Wanderscheid, S., Barta, D., & Nelson, T. (2009). Implementing professional learning communities. Interactive Presentation at the Office of the Superintendent of Public Instruction Winter Institute. Seattle, WA.

White, K., Johnson, K., Nelson, R., Schaadt, A., Goin, J., & Nelson, T. (2008). Teachers, Data & Supported Collaborative Inquiry. One-hour interactive presentation at the National Science Teachers Association regional conference. Portland, OR.

Wanderscheid, S., Williams, M., Eldred, S., Waters, C., & Nelson, T. (2008). The Challenges and Successes of Supported Collaborative Inquiry. One-hour interactive presentation at the National Science Teachers Association regional conference. Portland, OR.

Waters, C. & Nelson, T. H. (2008). Collaborative inquiry in professional learning communities: Collecting and analyzing classroom data. Interactive Presentation at the Office of the Superintendent of Public Instruction Summer Institute. Tacoma, WA.

Nelson, R., Schaadt, A. & Nelson, T. H. (2008). Collaborative inquiry in professional learning communities: Developing an inquiry question. Interactive Presentation at the Office of the Superintendent of Public Instruction Summer Institute. Tacoma, WA.

Nelson, T. H. & Slavit, D. (April, 2008). Collaborative teacher research: Does it improve learning? Invited one-hour presentation at the WSU Research Showcase. Vancouver, WA.

Nelson, T. H., Slavit, D., Laurence, W. L., LeBard, L., Wanderscheid, S., Waters, C., & Williams, M. (April, 2008). Improving our practice: Teachers’ stories about supported collaborative inquiry. Poster presented at the WSU Research Showcase. Vancouver, WA.

Slavit, D. & Nelson, T. (April, 2008). The depth of dialogue in secondary teachers’ inquiry into using rich mathematics tasks to stimulate student participation. Poster presented at the WSU Research Showcase. Vancouver, WA.

Nelson, T. H., Slavit, D., & Deuel, A. (March, 2008). Teachers’ collaborative inquiry: Making sense of classroom-based data. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. Baltimore, MD.

Nelson, T. H., Laurence, W. L., LeBard, L., Wanderscheid, S., Waters, C., & Williams, M. (March, 2008). Improving our practice: Teachers’ stories about supported collaborative inquiry. Poster presentation at the annual meeting of the National Association for Research in Science Teaching. Baltimore, MD.

Laurence, W. L., LeBard, L., Nelson, T. H., Wanderscheid, S., Waters, C., & Williams, M. (March, 2008). Empowering teachers: Teachers advancing learning through inquiry. One-hour interactive presentation at the National Science Teachers Association national conference. Boston, MA.

Slavit, D., Nelson, T. H., Laurence, W., & Kennedy, A. (March, 2008). Inquiry into Inquiry into Inquiry: Finding out what counts as support in SCTI. Paper presentation/ Symposium at the Annual Meeting of the American Educational Research Association, New York.

Nelson, T. H., Johnson, K., & Schaadt, A. (January, 2008*). Learning about science teaching, learning, and standards through collaborative inquiry.* Individual paper presentation at the Association for Science Teacher Education international conference. St. Louis, MO.

Nelson, T. H., Slavit, D., Kennedy, A., Laurence, W., & Foster, A. (September, 2007). Supporting teacher research: Inquiry, dialogue, and engagement. Poster presentation at the annual National Science Foundation DR K-12 PI meeting. Washington, DC.

Nelson, T. H. (April, 2007). *Supported collaborative inquiry and teacher learning*. Individual paper presentation at the annual meeting of the National Association for Research in Science Teaching. New Orleans, LA.

Nelson, T. H., Bornemann, G., & Nelson, R. (April, 2007). *Teachers' reflections on supported collaborative inquiry in professional learning communities*. Poster presentation at the annual meeting of the National Association for Research in Science Teaching. New Orleans, LA.

Nelson, T. H., Slavit, D., Laurence, W. & Foster, A. (April, 2007). *The dynamics of situated growth and development through supported collaborative inquiry*. Individual paper presentation at the annual meeting of the American Educational Research Association. Chicago, IL.

Slavit, D. & Nelson, T. H. (April, 2007). *Supported teacher collaborative inquiry*. Individual paper presentation at the annual meeting of the American Educational Research Association. Chicago, IL.

Nelson, T. H. (January, 2007). *Seeking the optimistic premise in professional learning communities.* Individual paper presentation at the Association for Science Teacher Education international conference. Clearwater, FL.

Nelson, T. H., Waters, C., & White, K. (January, 2007). *Professional learning communities in science and mathematics: Collaborative inquiry for improving teaching and learning.* Poster presentation at the Association for Science Teacher Education international conference. Clearwater, FL.

**International Presentations**

Nelson, T. H. (2014). A theoretical framework for understanding and supporting collaborative teacher inquiry. Presentation to the College of Education, University of Auckland. New Zealand, March 11, 2014.

Nelson, T. H. (2014). Project-based learning in inclusive STEM-focused secondary schools. Brown bag presentation to STEM education faculty, College of Education, University of Auckland. New Zealand. March 10, 2014.

Nelson, T. H. (2014). Talking about student learning: Science & mathematics teachers’ collaborative inquiry processes. Presentation to the Professional Learning and Development Advisory Group, New Zealand Ministry of Education, March 4, 2014.

Nelson, T. H. (2010). Two dimensions of an inquiry stance: A theoretical model for understanding and supporting teachers’ collaborative work. Interactive seminar presented to the Psychology and Education departments at the Universidad Autonoma de Madrid, April 9, 2010.

**Media Interviews & Articles**

Brincks, R. (January, 2015). STEM. Alaska Airlines Magazine, p. 64-73.

**Honors & Awards**

2015 Berry Family Fellowship

2012 Excellence in External Funding Award, Dept. of Teaching and Learning, WSU College of Education.

2011 Networking & Collaboration Award, WSU College of Education.

2010 WSU Top 150 Faculty Researchers.

2008 WSU Vancouver Chancellor’s Research Excellence Award.

2007 Invited to participate in the National Commission on Teaching and America’s Future Wingspread Conference on the Induction of Science and Mathematics Teachers into Professional Learning Communities.

**Courses Taught**

Biol 430 Secondary Science Methods (MIT)

EdAd 510 Improvement of Instruction (MIT)

EdPsy 502 Theoretical Foundations of Learning & Instruction (Ed.M)

EdPsy 504 Classroom-Based Research (MIT)

T&L 371 Elementary School Science Methods (K-8) (BA)

T&L 445 Methods of Educational Technology (BA)

T&L 521 Computer Technology for Education (MIT)

T&L 523 Topics in Education (Ph.D)

T&L 531 Frameworks for Research in Mathematics & Science Education (Ph.D)

T&L 560 Research in Teaching (Ed.D)

T&L 560 Research in Teaching STEM (Ed.D)

T&L 572 K-8 Science Methods (MIT)

T&L 574 Science for All: Culturally & Locally Responsive Science Teaching (Ed.M)

T&L 584 Research in Mathematics & Science Teaching (Ph.D)

T&L 591 Research Internship in Mathematics & Science Education (Ph.D)

T&L 702 Special Problems (MIT)

UH 301 University Scholars Lecture Series

UH 398 Honors Thesis Proposal Seminar

UH 399 Honors Thesis Seminar

**Professional Memberships**

American Educational Research Association (AERA)

Association of Science Teacher Education (ASTE)

National Association for Research in Science Teaching (NARST)

National Science Teachers Association (NSTA)