

Danielle Teodora Keifert, Ph.D.

Curriculum Vitae

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Department of Teaching and Learning
Peabody College
Vanderbilt University

EDUCATION & TRAINING

University of California Los Angeles & Vanderbilt University

Post-doctorate with Dr. Noel Enyedy 2016-present
Science through Technology Enhanced Play, National Science Foundation
Representations for Teachers as Learners, McDonnell Foundation

The Exploratorium

Post-doctorate with the Institute for Inquiry at the Exploratorium 2015-2016
Designing for Discourse

Northwestern University

Ph.D., Learning Sciences 2009-2015
Dissertation Title: Young Children Participating in Inquiry: Moments of Joint Inquiry and Questioning Practices at Home and in School
Committee: Drs. Reed Stevens (chair), Bruce Sherin, Jim Spillane
Fellow: Multidisciplinary Program in Education Sciences, Institute of Education Sciences pre-doctoral training program 2010-2013
Certificate: Educational Sciences 2015

Swarthmore College

B.A., Special Major in Education & Astronomy 2000-2004
Thesis Topic: Planetarium-Classroom Partnerships

REFERRED JOURNAL ARTICLES

Keifert, D., & Marin, A. (2018). A Commentary on Charles Goodwin's Co-Operative Action for Learning Scientists. *Cognition and Instruction*. 36(3). DOI: 10.1080/07370008.2018.1460845

Keifert, D.T., & Stevens, R. (in press). Inquiry as a members' phenomenon: Young children as competent inquirers. *Journal of the Learning Sciences*. DOI: 10.1080/10508406.2018.1528448

Keifert, D.T. (accepted) Attending to Domains of Value within Family Culture. *Cognition & Instruction*

MANUSCRIPTS

Keifert, D., Lee, C., Dahn, M., Lindberg, L., Enyedy, N., & Danish, J. (in preparation). Tracing bodies through liminal blends during play-based inquiry in a mixed reality environment

Keifert, D.T. (in preparation) Children's lines of experiences: Collaboration, tensions, and transformations as children draw on family practices in preschool

PUBLISHED CONFERENCE PROCEEDINGS

- Keifert, D., Krist, C., Scipio, D., & Philips, A. (2018). Epistemic Agency as a Members' Experience. Proceedings of the 13th International Conference of the Learning Sciences, London UK, 192-197.
- Keifert, D., Enyedy, N., Danish, J., Dahn, M., Lee, C., & Lindberg, L., (2018). Tracing Bodies through Liminal Blends during Play-Based Inquiry in a Mixed-Reality Environment. Proceedings of the 13th International Conference of the Learning Sciences, London UK, 1431-1432.
- Keifert, D. (2018). Young Children's Inquiry Within and Across Settings. Proceedings of the 13th International Conference of the Learning Sciences, London UK, 1863-1865.
- Keifert, D., Lee, C., Dahn, M., Illum, R., DeLiema, D., Enyedy, N., & Danish, J. (2017). Agency, Embodiment, & Affect During Play in a Mixed-Reality Learning Environment. Proceedings of the 16th Interaction Child & Design Conference, Palo Alto CA.
- Keifert, D. (2014). Co-Constructing Opportunities for Inquiry: A Cross-Context and Development Ethnography of Young Children's Inquiry. Proceedings of the 11th International Conference of the Learning Sciences, Boulder CO, 3, 1753.
- Keifert, D. (2012). Young children's everyday inquiry: A field study of a young girl's play across contexts. Proceedings of the 10th International Conference of the Learning Sciences, Sydney AU, 1, 315-322.
- Keifert, D., & Stevens, R. (2012). Block building at home and preschool. Proceedings of the 10th International Conference of the Learning Sciences, Sydney AU, 2, 91-98.
- Horn, M.S., Davis, P., Hubbard, A.K., **Keifert, D.**, Leong, Z.A., & Olson, I.C. (2011). Learning sustainability: Families, learning, and next-generation eco-feedback technology. Proceedings of IDC 2011 – 10th International Conference on Interaction Design and Children: 166-164.

CONFERENCE PRESENTATIONS

- Keifert, D., (to appear April, 2019). *Reimagining STEM Learning Through Centering Families' Sense-Making Practices*. Paper to be presented as part of the symposium STEM Family Learning organized by E. Suarez for the National Association for Research in Science Teaching annual conference. Baltimore, MD.
- Keifert, D., Lee, C., Dahn, M., Lindberg, L., Enyedy, N., & Danish, J. (to appear April, 2019). *Tracing Bodies through Liminal Blends during Play-based Inquiry in a Mixed Reality Environment*. Poster to be presented at the American Educational Research Association Conference. Toronto, Canada.
- Keifert, D.**, Scipio, D., & Grosshandler, D. (to appear April, 2019). *Toward a Framework for Pedagogies of Joy*. Poster to be presented as part of the Symposium Pedagogies of Joy :) Joy as Resistance at the Intersection of STEM Learning Pathways organized by D. Scipio & **D. Keifert** for the American Educational Research Association Conference. Toronto, Canada.
- Humburg, M., **Keifert, D.**, Georgen, C., Tu, X., Danish, J., Enyedy, N. (April, 2018). *The Challenge of Consistency in Sensemaking Resources Across Play and Assessment for Young Science Learners*. Paper to be presented at the American Educational Research Association Conference, New York, NY.
- Danish, J., **Keifert, D.**, Enyedy, E., Humburg, M., Tu, X., Davis, B., Lee, C. (April, 2018). *Embodiment within computational models: Explorations of agency and normativity*. Paper to be presented at the American Educational Research Association Conference, New York, NY.
- Keifert, D., Enyedy, N., Danish, J., Lee, C., & Saleh, A. (June, 2017). *Two Kinds of Thought Experiments about Water Temperature during Young Children's Family and Technology-Enhanced Play*. Paper presented at the annual meeting of the Jean Piaget Society. San Francisco, CA.

- Keifert, D. (April, 2017). Tensions in crossing the bridge: Capitalizing upon preschoolers' family practices in classrooms. Paper presented at the American Educational Research Association Conference, San Antonio Texas.
- Keifert, D. (April, 2017). Joy in Inquiry and the Playful & Productive Adaptation of Practice. Paper presented at the American Educational Research Association Conference, San Antonio Texas.
- Keifert, D. (April, 2017). Inquiry as a Members' Phenomenon as a Model for Coordinating Definitions of Inquiry. Paper presented at the National Association for Research on Science Teaching, San Antonio Texas.
- Keifert, D. (April, 2016). Geographies of Attention: Shaping Young Children's Ways of Perceiving and Knowing. Paper presented at the American Educational Research Association Conference, Washington D.C.
- Keifert, D. (April, 2016). Seeing the Science in Young Children's Activity Through an Interactionally Grounded Account of Inquiry. Poster presented at the American Educational Research Association Conference, Washington D.C.
- Andrews, J., & **Keifert, D.**, (April, 2015). Productive Disagreeing: Collaborators' Exploration of Ideas During Moments of Contested Knowledge. Poster presented at the American Educational Research Association Conference, Chicago, IL.
- Keifert, D., & Stevens, R. (March, 2014). Searching for Family Inquiry Practices Over Time. Poster presented at the National Science Foundation's 7th inter-Science of Learning Center Student and Post-Doc Conference, Pittsburg, PA.
- Keifert, D., & Stevens R. (May, 2013). "Yeah! I'm an an-phant. Cause I'm a frog!" Associating science with everyday inquiry. Paper presented at the American Educational Research Association Conference, San Francisco, CA.
- Keifert, D., & Stevens, R. (April, 2013). Affording inquiry practices: Tracing the practices of one young girl across contexts. Paper presented at the American Educational Research Association Conference, San Francisco, CA.
- Keifert, D., & Stevens, R. (February, 2013). Young children's everyday inquiry: An analytical framework for tracing practices across contexts. Poster presented at the National Science Foundation's 6th inter-Science of Learning Center Student Conference, Philadelphia, PA.
- Keifert, D., & Stevens, R. (June, 2011). Driving co-constructed activity during family play: How are children participating in shared STEM-focused activity?. Paper presented at the Jean Piaget Society Conference, Berkeley, CA.

HONORS AND AWARDS

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| Early Career Workshop, <i>International Conference of the Learning Sciences</i> | 2018 |
| Doctoral Consortium, <i>International Conference of the Learning Sciences</i> | 2014 |
| Graduate Student Seminar, <i>American Educational Research Association Division C</i> | 2014 |
| Dissertation Year Fellowship, <i>Learning Sciences at Northwestern University</i> | 2013-2014 |
| Best Student Paper Award, <i>International Conference of the Learning Sciences</i> | 2012 |
| Multidisciplinary Program in Education Sciences Fellowship, <i>Northwestern</i> | 2010-2013 |
| Joel Dean Social Sciences Research Grant, <i>Swarthmore College</i> | 2003 |

RESEARCH LAB MANGAGEMENT

- Representations for Teachers as Learners, Vanderbilt University** 2018-present
<https://www.jsmf.org/grants/20170016/>
 Co-wrote McDonnell grant proposal. Managed design of professional learning cycle, liaison to professional learning experts, liaison between Vanderbilt University and Indiana University teams. Co-planned collaboration workshop for five McDonnell foundation Teachers as Learners teams.
- Science through Technology-Enhanced Play, UCLA & Vanderbilt University** 2016-present
<http://sttep.org/>
 Co-wrote new grant extending STEP. Managed design/implementation phases with combined 1st/2nd classrooms at UCLA Lab School. Activities included:
- Liaison between project heads Enyedy at UCLA and Danish at Indiana University (IU), technical project-partners at Inquirium and REMAP, and IU graduate student-lead, and UCLA Lab School project teachers
 - Tested iterative technological innovations
 - Managed doctoral students' contributions to design, organized research schedule, supported/lead conference proposals across UCLA, IU
- CONNECT Center Noel Enyedy, UCLA** 2016-2017
<https://connect.gseis.ucla.edu/>
 Assistant director for the research center connecting UCLA Lab School and Graduate School of Education & Information Studies for investigating central issues in education.
- Institute for Inquiry, Exploratorium** 2015-2016
<https://www.exploratorium.edu/education/ifi>
 Managed research endeavors in collaboration with professional learning providers at the Exploratorium's Institute for Inquiry including the Designing for Discourse project, a partnership between Institute for Inquiry at the Exploratorium and K-5 teachers in San Francisco Unified School District to support designing for English language learners' (ELLs) participation in NGSS learning.
- Co-wrote grant proposals
 - Established protocol for research (including new IRB processes)
 - Designed data collection processing workflow
 - Developed a data management plan
- Early Learning Across Context, Northwestern University** 2012-2015
 Part of Learning in Informal and Formal Environments Center <http://life-slc.org/>
 A longitudinal study of young children's learning and practices drawing upon video data of naturally occurring interactions across families (homes, yards, parks, zoos, stores) and classrooms (class rooms, gyms, playgrounds, parks). Managed funds awarded by IES training grant (Multidisciplinary Program in Education Studies) to support my work on the Early Learning Across Contexts (ELAC) Project. Funds were used as follows:
- Managed a team of undergraduate research assistants. (1) Recruited and trained undergraduate research assistants to create content logs of ELAC data following interaction analysis traditions. (2) Guided undergraduate researchers' preliminary ELAC analyses of moments of interest selected from content logs. (3) Support undergraduate researchers' independent analysis of ELAC data following their own interests
 - Purchased audio/video equipment for the 2nd round of ELAC data collection.
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 TEACHING

Graduate-Level Courses & Workshops

- Modeling for the Secondary Science Classroom, Vanderbilt University* 2018
Instructor of record for pre-service teacher course. Designed course focused on NGSS.
- Empirical Methods for Social Interaction, Stanford University* 2016
Co-taught with Drs. Ray McDermott, Jenny Langer-Osuna, Ramón Martínez
- New Approaches to Science Teaching, Northwestern University* 2013
Co-taught with Dr. Brian Reiser & Michael Novak, MS Education course
- Video Interaction Analysis Workshop, iSLC* 2014
Co-coordinator of cross-disciplinary (education, psychology, neuroscience) workshop at NSF's inter-Science of Learning Center graduate student conference

Undergraduate-Level Courses

- Advanced Research Methods, Northwestern University* 2014
Teaching assistant to Dr. James Spillane
- Cognition in Contexts, Northwestern University* 2011
Teaching assistant to Dr. Reed Stevens

Classroom Teaching

- Supporting Teachers for Science Through Technology Enhanced Play Implementations, UCLA Lab School, Los Angeles CA* 2017-2018
Supported and co-taught combined 1st & 2nd grade teachers' implementation of the Science through Technology Enhanced Play (STEP) project.
- Middle School Teacher & Advisor, Rodeph Sholom School, New York NY* 2004-2009
Taught science, math for 5th-7th graders, and advised 5th-8th grade students, developed curriculum in mathematics and expanded science curriculum

Informal Science Museum Teaching

- Programs Intern at the Fels Planetarium, Franklin Institute, Philadelphia PA* 2002-2004
Hosted live and prepared shows for school groups and families, developed curricular materials for show timed with Spirit/Opportunity landings

 SERVICE

Reviewer**Conferences**

- Interaction Design and Children* 2018
- American Educational Research Association* 2016-present
- National Association for Research on Science Teaching* 2016
- International Conference of the Learning Sciences* 2012-present

Journals

- Cognition & Instruction* 2017-2018
- Science and Education* 2018

Grants

- National Science Foundation* 2017

Conference Symposia Organizer & Chair

- American Educational Research Association*
- (Co-organizer) Pedagogies of Joy :) Joy as Resistance at the Intersection of STEM Learning Pathways 2019

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| Conference Symposia Organizer & Chair (continued) | 2016 |
| (Co-organizer) Pedagogies of Joy :) Reigniting Conversations About the Intersectionalities of Joy within Learning Pathways | 2016 |
| Drawing on Families' Ways of Perceiving and Knowing to Learn About Diverse Epistemologies in Action | 2013 |
| Science Trajectories: Tracing Young People's Participation in Science Across Settings | 2013 |
| What Does 'Science' Shift?: The Positioning of Activities and Identities with Respect to the Domain of Science | |
| <i>National Association for Research on Science Teaching</i> | 2017 |
| (Co-organizer) Epistemic Agency as a Members' Experience | |
| Communications Chair, Informal Learning Environments Research SIG | 2016-present |
| American Educational Research Association (AERA) | |
| Co-Coordinator: Early Childhood Research Affinity Gathering | 2014 |
| International Conference of the Learning Sciences | |
| Invited Speaker Series Committee, Learning Sciences, Northwestern University | 2012-2013 |
| Learning Sciences New Student Orientation Coordinator | 2012 |
| Mentor: New Students, Learning Sciences, Northwestern University | 2010-2014 |

PROFESSIONAL MEMBERSHIPS

American Educational Research Association (AERA)
 Learning Sciences Special Interest Group (SIG LS)
 Informal Learning Environments Research Special Interest Group (SIG ILER)
 International Society of the Learning Sciences (ISLS)
 National Association for Research in Science Teaching (NARST)

REFERENCES

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|--------------------------------|--|---------------------------------------|---|
| Current Advisor | Noel Enyedy, Ph.D. Professor, Department of Teaching & Learning at Peabody College Vanderbilt University Nashville, TN 37212 (818) 425-4791 noel.d.enyedy@vanderbilt.edu | Dissertation Chair & Doctoral Advisor | Reed Stevens, Ph.D. Professor, Learning Sciences at Northwestern University Annenberg Hall Room 319 Evanston, IL 60208-0001 (847) 467-2727 reed-stevens@northwestern.edu |
| Mentor & Collaborator | Joshua Danish, Ph.D. Associate Professor Learning Sciences Program Coordinator Indiana University Wendell W. Wright Education Building Bloomington, IN 47405 (812) 856-8330 jdanish@indiana.edu | Mentor | Rogers Hall, Ph.D. Professor & Chair, Department of Teaching & Learning at Peabody College Vanderbilt University Nashville, TN 37212 (615) 343-7063 r.hall@vanderbilt.edu |
| Member: Dissertation Committee | Bruce Sherin, Ph.D. Professor, Learning Sciences Northwestern University 2120 Campus Drive Evanston, IL 60208-0001 (847) 467-2405 bsherin@northwestern.edu | Member: Dissertation Committee | Jim Spillane, Ph.D. Spencer & Ann Olin Professor in Learning & Organizational Change, Learning Sciences, Human Development & Social Policy Northwestern University 2120 Campus Drive Evanston, IL 60208-0001 (847) 467-5577 j-spillane@northwestern.edu |