

Talia Stol, PhD
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AREAS OF EXPERTISE

- Program evaluation design and facilitation, including development of logic models, instruments, data collection strategies, and outcome measures
- Out-of-school and experiential education environments such as pre-college STEM programs, project-based learning, and makerspaces
- Comparative preK-12 schooling models, with emphasis on critical pedagogies
- Pre-service teacher preparation programs and in-service teacher professional development
- Qualitative research design and methods

EDUCATION

PhD in Education 2018
Concentration in Program Evaluation
Social Research Methodology Division, Graduate School of Education & Information Studies
University of California, Los Angeles

Dissertation: *Cultivating Equity-Driven Teaching Partnerships: A Case Study of Developmental Evaluation in an Urban Teacher Residency Program*
Committee: Marvin Alkin, Todd Franke, Megan Loef Franke (Co-Chair), Christina Christie (Co-Chair)

MA in Social Science and Comparative Education 2012
Concentration in International Comparative Education
University of California, Los Angeles

BA in Political Science and International Studies 2006
Northwestern University, Evanston, IL

Language Proficiency: English, Spanish

RESEARCH & EVALUATION EXPERIENCE

Research Associate 2019 - Present
Learning Research & Development Center, University of Pittsburgh, Pittsburgh, PA
NSF INCLUDES Alliance: STEM PUSH (Pathways for Underrepresented Students to Higher Education) Network (NSF Award No. 1930990)

Under Co-PI Dr. Jennifer Iriti, Research Scientist, Co-Director of the Partners for Network Improvement

- Support the design, implementation, and evaluation of the Networked Improvement Community (NIC) component of a national alliance focused on broadening participation in undergraduate STEM fields for racially and ethnically minoritized students
- Assist in the design and implementation of NIC participation structures for precollege STEM program leaders from urban STEM ecosystems across the United States
- Assist in the design, construction and operation of NIC knowledge management system and network health data infrastructure
- Co-design NIC convenings and lead professional growth experiences for NIC members

Collaborating Visitor 2019 - Present
Human-Computer Interaction Institute (HCII), Carnegie Mellon University, Pittsburgh, PA
Smart Spaces for Making: Networked Physical Tools to Support Process Documentation and Learning

Principal Investigator: Marti Louw, Director, Learning Media Design Center (NSF Award No. 1736189)

Senior Research Scientist

2018 - 2019

Children's Museum of Pittsburgh, Pittsburgh, PA

- Led, facilitated and supported internal program evaluation, reflective practice experiences, design-based research, and exhibits development from a learning research perspective. Internal portfolio included collaborations with MAKESHOP, Art Studio, Exhibits, Visitor Services, Early Learning, and MuseumLab teams.
- Acted as museum lead for grant-funded research projects and evaluation consulting services. External portfolio included collaborations with Manchester Academic Charter School, University of Pittsburgh School of Education, Carnegie Mellon University Learning Media Design Center, Indiana University Bloomington Center for Research on Learning and Technology, UPMC Children's Hospital of Pittsburgh Child Life Department, Propel Charter Schools, Seneca Valley School District, Maker Ed.

Graduate Student Researcher

2016 - 2018

IMPACT Urban Teacher Residency program, UCLA Center X, Los Angeles, CA

- Facilitated researcher-practitioner collaboration for an intensive 18-month urban teacher residency program preparing K-12 STEM educators to work in predominantly low-income urban schools.
- Developed, administered, analyzed, and presented the results of interaction logs to teacher educators as part of a developmental evaluation process in order to inform decisions around mentoring practices and mentoring relationships within the program.

Evaluation Analyst

2012 - 2016

University of California Educational Evaluation Center (UCEC), Los Angeles, CA

- Facilitated capacity-building and evaluation projects; worked with clients to develop evaluation questions and logic models; created instruments to monitor and measure progress towards outcomes.
- Conducted focus groups, interviews, and field observations for various projects.
- Analyzed quantitative and qualitative data relevant to program activities, processes, and outcomes.
- Collaborated in draft, revision, and finalization stages of evaluation reports.
- Clients included California Department of Education, Pasadena City College, UCLA Early Academic Outreach Program, UCLA Center for Community College Partnerships, First Star UCLA Bruin Guardians Scholars Academy, and UCLA Summer Humanities Institute.

SELECTED TEACHING EXPERIENCE

UNIVERSITY

Teaching Assistant, Qualitative Research Methods (Graduate Course)

2014-2016

UCLA Graduate School of Education and Information Studies

Assisted Professor Teresa McCarty in the delivery of a research sequence designed to guide graduate students in the development, execution, and analysis of a qualitative research project.

Teaching Assistant, Educational Program Evaluation (Undergraduate Course)

2013-2014

UCLA Graduate School of Education and Information Studies

Assisted Professor Marvin Alkin in an undergraduate Education Minor course covering the conduct of evaluations of educational and social programs.

Instructor, Master's Thesis Writing Seminar

2013

UCLA Graduate School of Education and Information Studies

Guided a small group of Comparative Education students through a writing workshop-style seminar to support the completion of a master's thesis.

SECONDARY

Co-Instructor, Documentary Filmmaking Elective

2016-2018

Venice Neighborhood Youth Association, Venice, CA

- Co-created a yearlong class which met weekly throughout the school year serving a group of high school Youth Leaders participating in a non-profit college access program.
- Taught Youth Leaders interview techniques and facilitated reflection on storytelling methods to support production of individual non-fiction film projects.

Research Methods Instructor

2015

Upward Bound Youth in Action Summer Research Institute, California State University, Fullerton

- Designed a 6-week research methods curriculum for high school students participating in CSU-Fullerton's Upward Bound program which covered qualitative and quantitative methods, research design, and research paper-writing.
- Employing a Youth Participatory Action Research (YPAR) framework, collaborated closely with Writing and Critical History teachers to support 36 students in developing an original research project with a social justice focus.

Fulbright English Teaching Assistant

2007-2008

Instituto de Educación Secundaria Parque de Lisboa, Madrid, Spain

- Developed lessons and activities for students ages 11-14 in a bilingual program at a public secondary school with objective of engaging in English practice while communicating course content in history, science, and art classes.
- Guided 22 14-year-old students through the process of research, debate, and resolution writing in preparation for a citywide conference as part of the Global Classrooms Model United Nations project.

ADULT

English as a Second Language Instructor

San Gabriel Valley Literacy Council, Pasadena, CA

2006-2007

Sudanese Refugee Resettlement Program, Pittsburgh, PA

2001-2002

PUBLICATIONS

Allen, A., Ball, M., Bild, D., Boone, D., Briggs, D., Davis, D., Delale-O'Connor, L., Gonda, R., Iriti, J., Legg, A. S., Long, C., Matthis, C., Sherer, J., & **Stol, T.** (2020). Leveraging out-of-school STEM programs to meet the needs of youth and families during COVID-19. *Connected Science Learning*. October – December 2020 Vol 2(4).

Grabman, R., **Stol, T.**, McNamara, A., Brahms, L. (2019). Creating and sustaining a culture of reflective practice: Professional development by and for museum-based maker educators. *Journal of Museum Education*, 41(2).

Stol, T., Alkin, M.C., & Christie, C.A. (2017). Volume editor's introduction. In M.Q. Patton, *Facilitating evaluation: Principles in practice* (pp. xi-xiii). Thousand Oaks, CA: Sage.

SELECTED PRESENTATIONS

Stol, T., and Iriti, J. (2021). *Balancing Practitioner and Field Knowledge: A Scaffolded Approach to Developing Change Ideas*. Session at the Carnegie Foundation for the Advancement of Teaching Summit on Improvement in Education.

Louw, M., Byrne, D., **Stol, T.** (2019). *Probing documentation practices of noticing, reflection, articulation, and critique with notional prototypes*. Workshop at the Fifth Annual Maker Ed Convening, Pittsburgh, PA.

Wardrip, P., **Stol, T.**, Cook, M. (2019). *Research-Practice Partnerships: Museums and researchers working together for mutual benefit*. Professional development session accepted at the Association of Science-Technology Centers Annual Conference, Toronto, Canada.

Ryoo, J., Simpson, A., Qian, M., Paul, K., Anderson, A., **Stol, T.** (2019). *MakEval: Mixed methods approaches to evaluating making in schools*. Symposium panel presentation at the American Educational Research Association Annual Meeting, Toronto, Canada.

Stol, T. (2018). *Evaluation use in an urban teacher residency program: A case study of learning from data*. Paper accepted for the American Educational Research Association Annual Meeting, New York, NY.

La Torre, D., **Stol, T.**, & Kawasaki, J. (2017). *Leveraging evaluation and research measures for program learning in preservice teacher education*. Partnership Session presented at the California Educational Research Association Annual Conference, Anaheim, CA.

Stol, T. (2017). *Learning from logs: An approach to exploring mentoring relationships in an urban teacher residency program*. Paper presented at the American Evaluation Association Annual Meeting, Washington, D.C.

Stol, T. (2016). *Secondary analysis of evaluation as research in a community college context*. Paper accepted for the American Evaluation Association Annual Conference, Atlanta, GA.

Stol, T. (2015). *Bridging the gap: A role for comparative education in teacher education in the United States*. Paper presented at the Critical Questions in Education Conference, San Diego, CA.

PROFESSIONAL SERVICE

Article Reviewer 2020
Information and Learning Sciences

Article Reviewer 2019, 2020
Visitor Studies

Evaluation Reviewer 2019
*U.S. Department of Education (ED) Office of Elementary and Secondary Education
Full-Service Community Schools Program (FSCS) Grant*

Article Reviewer 2019
American Journal of Evaluation (AJE)

Submission Reviewer 2018
*FabLearn 2019: Eighth Annual Conference on Maker Education
Teachers College, Columbia University.*