

Jennifer D. Adams

Professional Address:

University of Calgary
Department of Chemistry
2500 University Drive NW
Calgary, AB T2N 1N4
CANADA

Communication:

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Current Position:

Canada Research Chair, Creativity and STEM
Associate Professor

Education

The Graduate Center—CUNY, New York, NY

Ph.D. in Urban Education, October 2006

Dissertation:

Adams, J. (2006). *Using Museum Resources to Enrich Urban Science Education: Teacher Agency, Identity Transformation, and Creolized Sciences*. Doctoral dissertation, Urban Education, The Graduate Center, CUNY, New York, NY.

Brooklyn College—CUNY, Brooklyn, NY

M.S. in Nutrition, May 1996

New York University, New York, NY

M.A. in Secondary Science Education, Sterling-Winthrop Fellow, May 1995

Teaching Certification:

Permanent NYS License in Secondary Science Education/Biology

Teaching Career including Academic Appointments

<i>Institution</i>	<i>Dates</i>	<i>Rank</i>	<i>Department</i>
University of Calgary	Summer 2017-Present	Associate Professor; Canada Research Chair	Chemistry and Werklund School of Education
The Graduate Center	Fall 2013-Present	Associate Professor	Urban Education
Brooklyn College	Fall 2013-Spring 2017	Associate Professor	Secondary Education with courtesy joint appointment in Earth and Environmental Sciences
Brooklyn College	Fall 2007-Spring 2013	Assistant Professor	Secondary Education
The Graduate Center	Fall 2010-Fall 2013	Assistant Professor	Urban Education
The Graduate Center	Spring 2009	Adjunct Assistant Professor	Urban Education
Queens College	Spring 2007	Adjunct Assistant	Elementary and Early

		Professor	Childhood Education
Baruch College	Spring 2006	Adjunct Professor	Educational Leadership Program
New York City Department of Education	November 1991- June 1999	General Science, Day High School Biology Teacher	Science Department

Publications:

Adams, J. D. (in press). Critical creativity inquiry: Transforming our understandings of and engagements in the world. In: Bryan, L., & Tobin, K. (Eds.). *Critical Issues and Bold Visions for Science Education: The Road Ahead*, 00-00. Rotterdam, The Netherlands. Sense© 2017 Sense Publishers. All rights reserved.

Adams, J., Greenwood, D., Thomashow, M., and Russ, A. (2017). Sense of Place. In: Russ, A. and Krasny, M. (Eds.), *Urban environmental Education Review*. Ithaca, New York: Cornell University Press.

Inwood, H., Heimlich, J., Adams, J., and Ward, K. (2017). Environmental Art. In: Russ, A. and Krasny, M. (Eds.), *Urban environmental Education Review*. Ithaca, New York: Cornell University Press.

Heimlich, J., Adams, J., and Stern, M. (2017). Nonformal educational settings. In: Russ, A. and Krasny, M. (Eds.), *Urban environmental Education Review*. Ithaca, New York: Cornell University Press.

Bellino, M. and Adams, J.D. (2017). A political ecology approach to a critical urban environmental education curriculum. Submitted to *The Journal of Environmental Education*, Special Issue: Political Ecology of Education.

Strong, L., Adams, J. D., Bellino, M. E., Pieroni, P., Stoops, J., & Das, A. (2016). Against Neoliberal Enclosure: Using a Critical Transdisciplinary Approach in Science Teaching and Learning. *Mind, Culture, and Activity*, 23 (3), 225-236.

Miele, E. and J.D. Adams. (2016). Guided Choice Learning in Out of School Environments. *Science Scope*. 37(6), 52-55.

Adams, J. D. & Branco, B. (2016). Extending parks into the classroom through Informal Learning and Place-based education. In P. Patrick (Ed.), *Preparing informal science educators*. Springer: The Netherlands, Finland.

Adams, J.D., Miele, E., & Powell, W. (2016). City-as-Lab Approach for Urban STEM Teacher Learning and Teaching. In Avraamidou, L. & Roth, W-M. *Intersections of formal and informal science*. NY: Routledge.

Adams, J. D. & Gupta, P. (2015). Informal Science Institutions And Learning To Teach: An Examination Of Identity, Agency And Affordances. *Journal of Research in Science Teaching*, DOI: 10.1002/tea.21270

Bellino, M. & **Adams, J.D.** (2014). Reimagining environmental education: Urban youths' perceptions and investigations of their communities. *Revista Brasileira de Pesquisa em Educação de Ciências*, 14(2), 27-38.

Adams, J. D., Gupta, P. & Cotumaccio, A. (2014). Long term participants: A museum program's impact on girls' interest, motivation and ability to persist in science. *Afterschool Matters*, 20, 13-20.

Perdikaris, S., Hejtmanek, K., Boger, R., **Adams, J.**, Potter, A. (2014). Connecting transdisciplinary scientists and local experts for climate change research. *Anthropology News*, retrieve from <http://www.anthropologynews.org/index.php/2014/04/30/connecting-transdisciplinary-scientists-and-local-experts-for-climate-change-research-and-community-based-adaptation-in-barbuda-west-indies/>.

Adams, J. (2014). Place and identity: Growing up bricoleur. In Tobin, K., & Shady, A. A. (Eds). *Transforming urban education: Collaborating to produce success in science, mathematics and technology education*. Rotterdam, NL: Sense Publishers

Adams, J. (2014). Embodied travel: In search of the Caribbean Self in tropical places and spaces In G. Lean (Ed) *Travel and Imagination*. London, UK: Ashgate.

Boger, R., **Adams, J.** & Powell, W. (2013). Place-based geoscience courses in a diverse urban college: Lessons learned. *Journal of Geoscience Education*, 62, 000-000.

DeFelice, A., **Adams, J.**, Branco, B., & Peroni, P. (2013). Engaging underrepresented high school students in an urban environmental and geoscience place-based curriculum. Submitted to *Journal of Geoscience Education*.

Adams, J. & Gupta, P. (2013). "I learn more here than I do in school. Honestly, I wouldn't lie about that": Creating a space for agency and identity around science. *International Journal of Critical Pedagogy*, 4(2).

Adams, J. (2013). Theorizing a sense-of-place in a transnational community. *Children, Youth and Environments*, 23(3).

Perdikaris, S., Boger, R., Hejtmanek, K., **Adams, J.**, Potter, A. & Mussington, J. (2013). The tools and technologies of transdisciplinary climate change research and community empowerment in Barbuda. *Anthropology News*, retrieve from <http://www.anthropology-news.org/index.php/2013/02/06/the-tools-and-technologies-of-transdisciplinary-climate-change-research-and-community-empowerment-in-barbuda/>.

Adams, J. (2013). Teachers as DJ's: Making Music in Unlikely Spaces. In Kress, T. & Lake, R. (Eds). We saved the best for you: Letters of hope, imagination and wisdom to 21st Century educators. Rotterdam, NL: Sense Publishers.

Adams, J., Gupta, P. & DeFelice, A. (2012). Schools and informal science institutions: Collaborate, co-exist or assimilate? *Cultural Studies of Science Education*, DOI: 10.1007/s11422-012-9394-2.

Adams, J. & Kanter, D. (Guest Eds.). (2011). Special Section: Designing environments to promote play-based science learning. *Children, Youth and Environments*. 21, 2; ISSN 1546-2250. *Children, Youth and Environments*. 21, 2

Adams, J. & Kanter, D. (2011). Playing to learn science: Exploring contexts and concepts. *Children, Youth and Environments*. 21, 2 retrieve from <http://www.colorado.edu/journal/cye>.

Kanter, D., Honward, S., **Adams, J.** & Fernandez, A. (2011). Guiding play for science learning in middle school. *Children, Youth and Environments*. 21, 2 retrieve from <http://www.colorado.edu/journal/cye>.

Miele, E. & **Adams, J.** (2011). Using safaris to promote learning science in the city. [Conference Proceedings] 3rd Paris Conference on Education, Economy and Society, Paris, France.

Gupta, P., **Adams, J.** & Dierking, L. (2011). Motivating youth through authentic, meaningful and purposeful activities: An examination through the lens of transformative activist stance. [Whitepaper] National Science Foundation Innovative Technology Experiences for Students and Teachers Convening, Education Development Corporation, Boston MA.

Adams, J. & Gupta, P. (2010). The continuum of participation in meaningful, purposeful out of school experiences mediating identity development as STEM learners, consumers and producers. [Whitepaper] National Science Foundation Innovative Technology Experiences for Students and Teachers Convening, Science Museum of Minnesota, Minneapolis, MN.

Adams, J. (2010). Community science: Capitalizing on local ways of enacting science in science education. In B. Fraser, K. Tobin, & C. McRobbie (Eds.) *Second International Handbook of Science Education*. Kluwer Academic Publishers.

Gupta, P. & **Adams, J.** (2010). Museum-University Partnerships for Pre-service Education. In B. Fraser, K. Tobin, & C. McRobbie (Eds.) *Second International Handbook of Science Education*. Kluwer Academic Publishers.

Miele, E. & **Adams, J.** (2010). Science Safaris in New York City: Informal Science Expeditions for Children, Parents and Teachers. Kendall Hunt Publishers.

Ogumah, S., with Krase, J., **Adams, J.**, Roberts, S., Markis, C., Edwards, J., Edwards, N., Primus, C., Qadeer, B., Tasneem, Z., Wright, C. (2010). Hear every voice: NYC and the National Park Service. A civic engagement project presented by Brooklyn College of the City University of New York in partnership with the National Park Service. **FILM**

Tippins, D., Mueller, M., van Eijck, M. & **Adams, J.** (Eds.) (2010). *Cultural studies and environmentalism: The confluence of eco-justice, indigenous knowledge systems and sense of place*. Netherlands: Springer Press.

Adams, J. (2010). On hundred ways to use a coconut. In D. Tippins. M. Mueller, M. van Eijck, & J. Adams (Eds.) *Cultural studies and environmentalism: The confluence of eco-justice, indigenous knowledge systems and sense of place*. Netherlands: Springer Press.

Adams, J. (2010). Ways to a waterhole. In D. Tippins. M. Mueller, M. van Eijck, & J. Adams (Eds.) *Cultural studies and environmentalism: The confluence of ecojustice, indigenous knowledge systems and sense of place*. Netherlands: Springer Press.

Adams, J., Ibrahim, S. & Lin, M. (2010). A dialogic response to Karrow and Fazio: Invoking the ontological realm of place. In D. Tippins. M. Mueller, M. van Eijck, & J. Adams (Eds.) *Cultural studies and environmentalism: The confluence of eco-justice, indigenous knowledge systems and sense of place*. Netherlands: Springer Press.

Gupta, P., **Adams, J.**, Keisel, J. & DeWitt, J. (2010). Examining complexities of school-museum partnerships. *Cultural Studies of Science Education*, 5, 685-699.

Adams, J., Siry, C., Dhingra, K., & Bayne, G. (2009). Science agency and structure across a lifespan: A dialogic response. In W.-M. Roth & K. Tobin (eds.), *ReUniting Psychological and Sociological Perspectives* © Springer 2009 Science+Business Media LLC 2009.

Adams, J., Taylor, P., & Luitel, B. C. (2008). A Cogenerative Inquiry using Postcolonial Theory to Envisage Culturally Inclusive Science Education. *Cultural Studies of Science Education*, DOI: 10.1007/s11422-008-9130-0.

Adams, J., Tran, L., Gupta, P., & Creedon-O'Hurley, H. (2008). Sociocultural frameworks of conceptual change: Implications for teaching and learning in museums. *Cultural Studies of Science Education*, DOI: 10.1007/s11422-008-9101-5.

Adams, J. (2007). The historical context of science and education at the American Museum of Natural History. *Cultural Studies of Science Education*, 2 (2), 393-440.

Adams, J. (2006). Using the museum as a resource for learning. In K. Tobin [Ed.] *Teaching and Learning Science: An Encyclopedia*. Greenwood publishers.

Presentations:

Invited Presentations (talks, lecture series, exhibits, performance, etc.)

- Adams, J.D. (April, 2016). Place or Practice?: Informal learning environments and science teacher identity. National Association of Research in Science Teaching, Baltimore, MD.
- Adams, J.D., Bellino, M., Strong, L., Pieroni, P., Trowbridge, C., Ortiz, N. & Stoops, J. (April 2016). Creating spaces for critical praxis, agency, and empowerment in formal and informal learning environments, structure poster sessions. American Educational Research Association, Washington, DC.
- O'Connor-Petruso, S., Adams, J.D., & Miele, E. (April 2016). Impacts and implications of participation in informal science education for students' science engagement and teacher practice. American Educational Research Association, Washington, DC.
- Hammerness, K., Gupta, P. & Adams, J.D. (April 2016). Using the affordances of museums in learning to teach. Panel, Context-specific teaching practice: Collaborating with children's families, communities and community-based organizations to support equitable teaching. American Educational Research Association, Washington, DC.
- Gupta, P., Adams, J.D., & Habig, R. (April, 2016). Using affordances of the museum to support youth trajectories. Panel, Equity and access in science: Understanding pathways frameworks for youth learning and development. American Educational Research Association, Washington, DC.
- Bellino, M. & Adams, J. (November 2015). Places that matter: Collective exploration of the meaning of neighborhood places using mental mapping with youth. American Anthropological Association, Denver, CO.
- Adams, J. (November 2015). Discussant: Making, unmaking and re-making the "strange/familiar": A nascent anthropology of environmental education. American Anthropological Association, Denver, CO.
- Adams, J., Stoops, J. (lead), Bellino, M., Pieroni, P., & Strong, L. (October 2015) Symposium Chair: STEAM Punks, guerilla gardeners and critical educators: Dialogues of love and care in urban environmental studies. American Educational Studies Association, San Antonio, TX.
- Adams, J., Bellino, M. Stoops, J. Pieroni, P., & Strong, L. (October 2015). Inclusive knowledge and pedagogies in urban environmental education. North American Association for Environmental Education, San Diego, CA.
- Adams, J., Petruso-O'Connor, S. & Miele, E. (April 2015). Comparing teachers' beliefs and practices with formal-informal learning environments and activities for STEM education. American Education Research Association, Chicago, IL.
- Adams, J., Siry, C., Castano, C., Levinson, R., Brendel, M., & Cowie, B. (April 2015). Living authenticity in science education research. National Association of Research in Science Teaching, Chicago, IL.
- Bellino, M. & Adams, J. (April 2015). The spectrum of teacher action research projects in science classrooms. National Association of Research in Science Teaching, Chicago, IL.
- Adams, J., Hefele, N., & Perdikaris, S. (March 2015). Participatory approaches to understanding youth identity in a climate changing world. Society for Applied Anthropology, Pittsburgh, PA.
- Adams, J.D.** (2015) Informal and museum science learning and science classroom

- teacher identity. Invited talk, Victoria University of Wellington, Aotearoa/New Zealand.
- Adams, J.**, Rahm, J., Brandt, C., Bell, P., Weinstein, M., Goldman, S. & Bruna, K. (December 2014). Reimagining science education in the neoliberal global context: Producing anthropological accounts of science learning in underserved communities. Invited roundtable session at the American Anthropological Association. Washington, DC.
- Adams, J.** (October 2014). Research and practice in place-based and informal science Education. Bard College, Annandale-on-Hudson, NY
- Adams, J.** (September 2014). Informal science learning places and spaces in STEM identity and workforce development. Te Papa Museum, Wellington, Aotearoa/New Zealand.
- Adams, J.** (September 2014). Extending classrooms into parks through informal science learning and place-based education. Invited talk, Victoria University of Wellington, Wellington, Aotearoa/New Zealand.
- Adams, J.** (April 2014). Creative inquiry and Expanding Identities through Art, Science and Media. Invited talk, Chatham University, Pittsburgh, PA.
- Adams, J.** (January 2014). Research on place, identity and learning. Invited talk, Victoria University of Wellington, Wellington, Aotearoa/New Zealand.
- Adams, J.** (January 2013). Informal Science Education and Museums, BRC, Barbuda
- Adams, J.** (December, 2012). Place and the structuring of identities in a science center. Perspectives on Urban Education Lecture Series, The Graduate Center, CUNY.
- Adams, J.** (August, 2012). Informal Science Education, BARC, Barbuda
- Adams, J.** (March, 2011). Place and Identity in Informal Science Education. The New York Hall of Science, Corona, New York.
- Adams, J.** (February, 2011). Improving Science Education using a Place-Based Framework. Osun State Educational Summit, Osogbo, Osun State, Nigeria.
- Adams, J.** (January, 2011). Place/Identity. Urban Science Education Research Seminars. The Graduate Center The Graduate Center at the City University of New York, New York, NY.
- Adams, J.** (September, 2010). Place as an Informal Science Institution. The ASTC Side Event to Support of the United Nations' Millennium Development Goals. The Flanders House, New York, New York.

Abstracts and Papers Contributed at Professional Meetings

- Adams, J.**, Petruso-O'Connor, S. & Miele, E. (April 2015). AERA
- Adams, J.**, Siry, C., Castano, C., Levinson, R., Brendel, M., & Cowie, B. (April 2015). Living authenticity in science education research. National Association of Research in Science Teaching, Chicago, IL.
- Bellino, M. & **Adams, J.** (April 2015). The spectrum of teacher action research projects in science classrooms. National Association of Research in Science Teaching, Chicago, IL.
- Adams, J.**, Hefele, N., & Perdikaris, S. (March 2015). Participatory approaches to understanding youth identity in a climate changing world. Society for Applied Anthropology, Pittsburgh, PA.
- Powell, W., Miele, E. & Adams, J. (October 2014). Design and evaluation of research experiences in a Masters of Arts of teaching Earth Science program. Geological Society of America, Vancouver, CA.

- Boger, R., **Adams, J.** & Low, R. (October 2014). Spatial analysis, social media and sense of place: Student as agents of change. Geological Society of America, Vancouver, CA.
- Gupta, P., **Adams, J.** & Cotumaccio, A. (March 2014). Long-term museum programs and their impact on underrepresented youth's ability to persist in science. National Association of Research in Science Teaching, Pittsburgh, PA.
- DeFelice, A. & **Adams, J.** (March 2014). Exploring science identity development at the intersection of race and gender. National Association of Research in Science Teaching, Pittsburgh, PA. (Doctoral student).
- Bellino, M. & **Adams, J.** (March 2014). Reimagining environmental education: Urban youths' perceptions and investigations of their communities. National Association of Research in Science Teaching, Pittsburgh, PA. (Doctoral student).
- Adams, J.**, Hefele, N. & Perdikaris, S. (April 2014). Art/Science nexus as pedagogy of imagination and transformative science education. Symposium: Critical Imagination: Creativity, Curiosity and Critical Pedagogy in Diverse Teaching-Learning Contexts. American Educational Research Association, Philadelphia, PA.
- Adams, J.** (January 2014) Panelist: Community Archaeology for the 21st Century. Society for Historical Archeology, Quebec City, Quebec CA.
- Adams, J.**, Gupta, P. McCreedy, D. & Peterson, K. (October 2013). Science Centers and Girls' Long-Term STEM Engagement and Career Choices. Association of Science Technology Centers, Albuquerque, New Mexico
- Perdikaris, S., Boger, R., Potter, A., Hejtmanek, K. & **Adams, J.** (August 2013). Sustainable resilience: Past, present and future case study of human ecodynamics from Barbuda, WI. Royal Geographical Society, London, UK.
- Adams, J.** & Gupta, P. (April 2013). Museum programs and their impact on girl's interest, motivation and ability to persist in science. National Association of Research in Science Teaching, Rio Grande, PR
- Adams, J.**, Powell, W. & Miele, E. (February 2013). Building hybrid communities of practice to benefit urban geoscience students through sustained geoscientist-teacher partnerships. International Teacher-Scientist Partnership Conference, Boston, MA.
- Adams, J.** (October 2012). Teacher-researcher-scientist: Teacher experiences in a Geoscience RET, Northeast Association of Science Teacher Education, Black Rock Forest, NY.
- Pryor, S., Vasquez, C., Cameron, H., **Adams, J.**, Jordan, F., Pitts, W. (October 2012). ePortfolios and Student Teacher Praxis. Noyce NE student poster presentation.
- Adams, J.** & Gupta, P. (April 2012). Youth Working as Floor Facilitators in a Science Center: An Examination of the Dialectical Relationship between Place, Identity and Science Learning. Symposium: Reframing Informal Science Education in Light of Diversity, Equity, Democracy and Critical Science Literacy. American Educational Research Association, Vancouver, BC.
- Adams, J.** & Gupta, P. (March 2012). Place and the structuring of identities in a science center. National Association of Research in Science Teaching, Indianapolis, IN.
- DeFelice, A., **Adams, J.**, Pieroni, P., & Branco, B. (March 2012). Engaging Underrepresented Youth through the Enactment of an Urban Environmental and

- Geoscience Place-based Curriculum. National Association of Research in Science Teaching, Indianapolis, IN.
- Adams, J.**, Bullen, P. & Bryce, N. (Sept-Oct 2011). Transforming the academic reality of Caribbean students in the Diaspora through praxis. Caribbean Philosophical Association, Rutgers University, New Brunswick, NJ.
- Adams, J.**, Pryor, S., & Vasquez, C. (October 2011). Poster: Summer immersion in questioning techniques to teach STEM at NYSCI. Robert Noyce Teacher Scholarship Program Northeast Consortium, Philadelphia, PA.
- Kanter, D., Wilkerson, K., **Adams, J.**, Fernandez, A., Meisner, R. & Petrich, M. (October 2011). Symposium: Is Play-based science learning a contradiction in terms? Association of Science Technology Centers annual conference, Baltimore, MD.
- Miele, E. & **Adams, J.** (July 2011). Using safaris to learning science in the city. 3rd Paris International Conference on Education, Economy and Society, Paris, France.
- Adams, J.**, Vasquez, C. (June 2011). Poster: Using Informal Science Education Resources to Enhance Teacher Preparation. Robert Noyce Teacher Scholarship Program Conference, Washington DC.
- Adams, J.** (April 2011). Symposium: Brooklyn College City-as-Lab: Using Community-Based Resources to Enhance Science Learning for Urban Youth. National Association of Research in Science Teaching, Orlando FL.
- Defelice, A., **Adams, J.**, Branco, B. (April 2011). Poster: Development of an Urban Environmental and Geoscience Place-based Curriculum Using Cogenerative Dialogue. NARST, Orlando FL.
- Adams, J.** & Boger, R. (December 2010). Brooklyn College City-as-Lab: Using Community-Based Resources to Enhance Science Learning for Urban Youth. Place-Based Education Symposium, New Bedford Whaling Museum, New Bedford MA.
- Adams, J.** & Gupta, P. (June 2010). The continuum of participation in meaningful, purposeful out-of-school experiences mediating identity development as STEM learners, consumers and producers. National Science Foundation Innovative Technology Experiences for Students and Teachers Convening, Science Museum of Minnesota, Minneapolis, MN.
- Adams, J.**, Robinson, T., Brownshine, S., Crocker, L. (May 2010). Negotiating a role and teaching identity as an undergraduate pre-service teacher. Presented at Sharing our Success, MSTEP, New York University, New York.
- Adams, J.** & Macdonald, M. (March 2010). In what ways do informal-formal science partnerships for teacher development play a role in induction, and retention of urban science teachers? NARST, Philadelphia, PA.
- Adams, J.** (March 2010). Community-based science: How do people learn and interact with science in their communities and how is this relevant to increasing the participation of African-diasporic people in science? Symposium: Questions and insights about Blacks in K-Career science education: Complexities and centrality of context from African Diasporic Perspectives. NARST, Philadelphia, PA.
- Miele, E., Powell, W. & **Adams, J.** (October 2009). Professional development of instructors through professor-teacher-based team teaching in Earth-science teacher preparation courses. Poster session at GSA, Portland, OR.
- Adams, J.**, Sciarpetti, A., Valenza, J. & Figula, E. (May 2009). The Young Scientists! The role of play in learning science for young learners. Presented at Sharing our Success, MSTEP, New York University, New York.

- Adams, J.**, Pagan, D., Lewis, M. & Isakov, A. (May 2009). Differentiating instruction in the 5th grade classroom. Presented at Sharing our Success, MSTEP, New York University, New York.
- Adams, J.** (April 2009). Articulating a sense of multiplace: Place-based science for immigrants and first generation students. Symposium: Exploring the grand challenges and great opportunities in realizing a more equitable science education, NARST, Long Beach, CA.
- Gupta, P. & **Adams, J.** (April 2009). Science related identity development in science floor staff. Poster session at NARST, Long Beach, CA.
- Adams, J.** (April 2009). Learning to teach as identity re/production. Presented at NARST, Long Beach, CA.
- Adams, J.** (February 2009). Transformation through engagement in field-based educational and learning settings. Discussant at Ethnography in Education Research Forum, University of Pennsylvania, Philadelphia, PA.
- Novemsky, L., Synnot, G., Sarasohn, L., & **Adams, J.** (May 2008). Inside the museum and outside the box: An exploration of how students assimilate museum-based inquiry. CSSE, University of British Columbia, Vancouver, BC, Canada.
- Milne, C. & **Adams, J.** (May 3rd, 2008). Conceptual change: New ways of thinking about conceptual change. Presented at Sharing our Success, MSTEP, New York University, New York.
- Thompson, N., **Adams, J.**, Odell, S., Chapman, S., Jackson, D., & Magner, J. (April 1, 2008). Symposium: Hominid evolution: Theory, facts and 'tales' from the field. Presented at NARST, Baltimore, MD.
- Adams, J.** (March 28, 2008). Mathematics and science teaching and learning in diverse local contexts. Discussant at AERA, New York, NY.

RESEARCH AND DEVELOPMENT

Evaluator, Brooklyn College and EcoSchools Network, RiSC NOAA

As an independent researcher and evaluator, I lead program assessment and learning research that focuses on climate literacy and resilience education.

Researcher, Wellington, Aotearoa/New Zealand (January 2014-present)

I collaborated with the Victoria University of Wellington and Museum of Wellington City and Sea to research identity of Maori and Pasifika youth and museum learning.

STEAM, Barbuda, WI; Brooklyn, NY (January 2013-present)

I am working to connect science, mainly environmental science and environmental education, place-based learning and the visual arts. I have been working with a community-based artist to establish an Engaged Artist Residency at the Barbuda Research Complex and with STAR Academy and Community Roots summer program to describe learning through integrated science and arts engagement.

Community Science Education Consultant, Playkids, Brooklyn NY. (2012-present)

As an independent consultant I plan and facilitate hands-on environmental science workshops for families. The goals of these workshops are to engage families and their young children in learning about the ecology of Prospect Park through seasonal investigations coupled with literacy and art and crafts projects.

School of Education Liaison and Consultant, New York Harbor National Park Service (Fall 2011-Present). I work with the NPS to develop place-based science learning experiences for teachers and write grants to foster deeper learning about teacher and classroom engagement in environmental science in Jamaica Bay and environs.

Researcher/Evaluator, SciPlay, New York Hall of Science (Summer 2010-Fall 2011)—research to examine the role of play in science learning. Responsibilities included consulting on the research and evaluation of the project including design of a theoretical framework, development of protocols, assisting with data collection and collaborating on the data analysis and publication of findings.

Expert Panel, Ecology Disrupted: Using real scientific research and Museum media on environmental issues to connect middle and high school students' daily lives to ecological principles and scientific processes. NATIONAL SCIENCE FOUNDATION DR-K12 funded project in collaboration with CCNY and AMNH (Fall 2009-Spring 2011)

The project is designed to use environmental case studies to teach students ecological principles and processes that underpin the world around them. My role on the expert panel is to advise and review the development of all eight modules for appropriateness of pedagogy, suitability of contexts, language, etc. for the intended audiences.

External Evaluator, Tree of Life Institute for Teachers—The education component of the NATIONAL SCIENCE FOUNDATION funded “Assembling the Tree of Life” project, The American Museum of Natural History, (Summers 2007-8)
Responsibilities include developing instruments in the form of surveys, interview and observation protocols to collect data and learn about how teachers experienced the summer institute and used the content knowledge and technology presented in the institute to teach students topics such as evolution and systematics (classification).

Curriculum Consultant, Queens Botanical Garden (2008)
Responsibilities include aligning the content and resources of the botanical garden (including the new “Green” building) with the New York City Department of Education middle school standards and curriculum in science and social studies.

UNIVERSITY RESEARCH ACTIVITIES

Researcher, GEO, NATIONAL SCIENCE FOUNDATION
Brooklyn College-CUNY (2010-Present)
Building Hybrid Communities of Practice to Benefit Urban Geoscience Students through Sustained Geoscientist-Teacher Partnerships

External Evaluator, NATIONAL SCIENCE FOUNDATION GK-12
Brooklyn College-CUNY, Summer 2008
Responsibilities included a) collecting data in the form of surveys and interviews with GK-12 participants (fellows and teachers) and project PI's, b) analyze the data in terms of creating a community of place-based education in the geosciences and supporting the fellows in their goals of completing doctoral studies and developing teaching and leadership skills, and c) reporting findings to the PI's and NATIONAL SCIENCE FOUNDATION.

Leadership

Delegate, 2015 NSF INCLUDES Conference

Chair, CUNY Pathways Education Committee (2011-12)

Director, Robert Noyce Teacher Academy @ Brooklyn College (2011-2015)

Delegate, 2014 PKAL Summer Leadership Institute for STEM Faculty. Room, board, and fees award. Selected through a competitive application process. Sponsored by Project Kaleidoscope and the American Association of Colleges and Universities. Crestone, Colorado. July 25-30, 2014

Grants

A. Funded Grants

<i>Title</i>	<i>Agency</i>	<i>Amount Funded</i>	<i>Period of Grant</i>
CAREER: ILETES: Informal Learning Environments and Teacher Education for STEM	NSF DR K-12/AISL	\$646,573	June 2013-May 2018
SENCER	SENCER/NSF	\$50,000	June 2013-June 2016
Afterschool Matters Initiative	Robert Bowne Foundation	\$9,833.83	January 2012-December 2012
SciPlay Lab	New York Hall of Science Motorola Foundation	\$25,237	August 2010-December 2011
Teachers Academy at Brooklyn College	NSF/Noyce Foundation Teacher Scholarship Program	\$ 894,271	February 2010-July 2014
OEDG Planning Grant	NSF	\$36,350	April 2010-March 2012
Brooklyn Island Place-based Education	PSC CUNY	\$5,983	July 2010-December 2011
Brooklyn College City-as-Lab (BC-CAL)	NSF GK-12	\$3,000,000	July 2007 – June 2011
Math and Science Partnership in New York City/Responsive Research Network	NSF	\$13,085	August 2008-July 2009
Learning to teach as identity re/production	PSC CUNY	\$6,000	July 2008-December 2009

B. Grant Proposals Submitted

<i>Title</i>	<i>Agency</i>	<i>Amount Requested</i>	<i>Period of Grant</i>
Pathways: Prospect Park Lake Ambassadors	NSF ISE	\$ 248,984	September 2012-August 2014
CAREER: Learning to Teach: Informal Learning Environments and Identity Development for Urban STEM Teachers	NSF DR K-12/ISE	\$754,192	June 2012-May 2017
CAREER: Learning to Teach: Informal Learning Environments and Identity	NSF DR K-12/ISE	\$732,519	June 2011-May 2016

Development for Urban STEM Teachers			
Preparing to teach: Exploring the Possibilities of informal science institution field experiences for science teacher education	Knowles Foundation Research Fellowship	\$110,000	July 2010-June 2012
Prospect Park Junior Scientists in Residence at Prospect Park	NSF ITEST	\$1,119,694	September 2012-August 2015
Saving Species through Sustainable Reef Interactions: Wildlife Tourism Education	CUNY (CIRG Round 17)	\$54,258	July 2010-June 2012
Caribbean Brooklyn Island Ecological Sciences	NSF ISE	\$767,034	August 2010-August 2013
Producing and Synthesizing knowledge on the teaching and learning of science in urban institutions	NSF	\$332,618	September 2009-August 2011
Teaching Earth Systems Science through an Exploration of an Urban Estuary—Jamaica Bay	NOAA	\$740,833	January 2009-December 2011
Enhancing Urban Youth's understandings, participation and perceived relevance of science in everyday life	NSF	\$229,167	July 2008-June 2013

Professional Awards

A. Fellowships:

Faculty Fellowship Publication Program, Spring 2011

Bridges Across Brooklyn Fellow, Spring 2010

Center for the Advancement of Informal Science Education (CAISE) Fellow, 2008-10

Transformations Faculty Fellow in Place-Based Education, Spring 2009

National Association of Research in Science Teaching (NARST) Equity and Ethics Scholar, 2008

University, College and Community Service

A. Service to the College:

1. Administrative Service

Title/Description	Dates of Service
Appointments Committee	Fall 2014-Present
Graduate Deputy, Secondary Education Department	Spring 2013
Acting Program Head, Adolescent Science Education	Spring 2013
Acting Program Head, Middle School Science Education and Elementary/Childhood Science Education	Spring 2009; Spring 2010

2. Service on College and/or Presidential Committees

Name of Committee	Dates of Service
Search committee for the Dean of the School of Worker Education	2013-2014
Caribbean Studies Program Curriculum Committee	2012-Present
Urban Sustainability Program Faculty Affiliate	2014-Present
Faculty Senate	2012-Present
Center for Teaching Board of Directors	2011-2014
Pathways Education Committee (Chair)	2011-2012
Robert Hess Visiting Scholar Committee	2009-2010
Provost's Task Force on City-Based and Sustainability Education	2009-2010
BC Teacher Academy Steering Committee	2007-2009

3. Service on School and/or Division Committees

Name of Committee	Dates of Service
Childhood Education Program Committee	Fall 2007-Spring 2010

4. Service on Department Committees

Name of Committee	Dates of Service
Appointments Committee	Spring 2012

5. Student Activities (Advisement, Counseling)

As co-PI of the Robert Noyce Foundation Teacher Academy at Brooklyn College program, a major part of my role is the academic and professional advisement of the Noyce Scholars and remaining Teacher Academy scholars. I served as acting Program Head for Middle School Science Education and Elementary/Childhood Science Education programs of which a major role included the academic advisement of students.

Doctoral Student Mentorship:

1. Administrative Service

Title/Description	Dates of Service
Membership Committee	2011-2014

2. University Committees

Name of Committee	Dates of Service
Pathways Education Committee (Chair)	Fall 2011-Spring 2012

3. Doctoral Program Committees

Name of Committee	Dates of Service
Graduate Center Membership committee	Fall 2011-Spring 2014
Doctoral Dissertation Committees (Name/Graduation Date)	
<i>Chair</i>	
Amy DeFelice	Chair, Graduated Fall 2014
Marissa Bellino	Chair, Expected Spring 2016
Cristina Trowbridge	Chair, Expected Spring 2018

LaToya Strong	Chair, Expected Spring 2020
<i>Completed</i>	
Fulvia Jordan	February 2012
Kelly Silva	October 2011
Nicole Grimes	May 2011
Preeti Gupta	May 2009
Ashraf Shady	September 2008

C. Service Off-Campus:

1. Professional Activities and Memberships

Organization	Office Held (if applicable)	Dates of Service
Cultural Studies of Science Education	Editorial Board Member	Spring 2011-Present
NARST	CADASE Treasurer	2014-2015
NARST	Strand 14 (Environmental Science) Co-chair	Spring 2011-Spring 2013
NARST	Conference Proposal Reviewer Strand 6 Informal Science Education & Strand 14 Environmental Science	Fall 2007-Present
Cultural Studies of Science Education Annual Forum	Co-chair of Planning Committee	2008-present
NSF AISL	Reviewer	January 2015
NSF REESE	Reviewer	October 2012
NSF TSL	Reviewer	May 2012
NSF DR K12	Reviewer	March 2012
NSF STEM Women of Color Conclave	Delegate	June 2011
NSF ISE	Virtual Panel Reviewer	September 2010
American Democracy Project Yellowstone National Park	Delegate	August 2010
NSF STEM Women of Color Conclave	Delegate	June 2010
NARST	Outstanding Paper Award Committee	August 2007-April 2010
NSF ITEST	Reviewer	February 2010
Cultural Studies of Science Education	Outstanding Paper Award Committee	Fall 2009-Spring 2010
The African Diaspora: Developing Black Scholars in Science Education for the 21 st Century, Atlanta GA	Delegate	June 2009
NSF STS	Reviewer	April 2008; April 2009
NSF ITEST	Reviewer	April 2009
Urban Science Education Research Seminars (USERS)	Planning Committee Chair	Fall 2009
New York City Delegation to LASER/ECLIPSE; NY State	Member	October 2006-2008

Science Task Force		
Science Mathematics Education Centre; Curtin University, Perth AUS	External Examiner of Doctoral Dissertation	Spring 2008
American Educational Research Association	Conference Proposal Reviewer, Division K: Teaching and Teacher Education; SIG: Informal Science Education	2008

2. Community Service

Description	Dates of Service
Community Art Tour Leader, GO Brooklyn, Brooklyn Museum	Fall 2012
Board Member, Andrea Del Conte Danza España	2005-2010
Kayak Supporter, Manhattan Island Foundation	2006-Present
Race Manager, Sons and Daughters of Jamaica Annual 5K	2005-Present
Vice President/Board Member, Sino - U.S. Cultural Connection with Educators' Support Society	2002-Present