

Jessica Marjorie Black, Ph.D.

Associate Professor

Director, Cell to Society Laboratory

Boston College School of Social Work

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EDUCATION

- 2008 Ph.D. Stanford University, Stanford, CA
Program: Education; Field of Study: Educational Psychology
Minor: Psychology
Dissertation: *Academic self-concept, subjective task value, and beliefs about intelligence in dual-language and English-only elementary school students*
- 2006 M.A. Stanford University, Stanford, CA
Program: Education; Field of Study: Social Sciences in Education
Thesis: *Fit to belong: Self-esteem in context*
- 1998 B.A. University of California, Berkeley, CA
Summa Cum Laude with Highest Distinction in General Scholarship
Major: Psychology

ACADEMIC APPOINTMENTS

- 2017 – **Chair**
Children, Youth & Families Concentration
School of Social Work, Boston College, MA
- 2016 – **Associate Professor**
School of Social Work, Boston College, MA
- 2010 – 2016 **Assistant Professor**
School of Social Work, Boston College, MA
- 2008 – 2010 **Postdoctoral Research Fellow (T32)**
Center for Interdisciplinary Brain Sciences Research
Stanford University School of Medicine, CA
Project Manager for the *Reading Brain Study*
Project Coordinator for the *Humor Study in Children*
- 2009 **Lecturer**
School of Education, Stanford University, CA
- 2006 **Lecturer**
College of Education, San José State University, CA

PROFESSIONAL EXPERIENCE

- 2015 – present **Collaborator**
Franciscan Children’s, Brighton, MA
Collaborating with hospital-based research team and key hospital personnel to create a professional development curriculum focused on strengths and resilience, and sleep research projects.
- 2015 – present **Collaborator**
Gabrieli Lab, Department of Brain and Cognitive Sciences
Harvard-MIT Division of Health Sciences and Technology
Massachusetts Institute of Technology (MIT), MA
Collaborating on adolescent mindfulness project using MRI.
- 2012 – present **Collaborator**
BrainLENS Lab
University of California San Francisco, CA
Collaborating on projects and manuscript preparation on MRI studies of reading development.
- 2010 – present **Collaborator**
Center for Interdisciplinary Brain Sciences Research
Stanford University School of Medicine, CA
Collaborating on humor research using MRI in children.
- 2007 – 2008 **Research Assistant**
Center for Interdisciplinary Brain Sciences Research
Stanford University School of Medicine, CA
Analysis of reading and motivation-related behavioral and neuroimaging data in reading-related studies.
- 2007 **Research Associate**
Thrive Foundation for Youth, Menlo Park, CA
Collaborated with a youth foundation and school for children with learning disabilities to design a strengths-based resilience curriculum.
- 2006 – 2007
2002 – 2004 **Graduate Research Assistant**
Dean Deborah Stipek, Stanford University School of Education, CA
Generated qualitative codebooks for parent interviews related to elementary school transitions and achievement motivation.
- 1991 – 2006 **Math Teacher**
Crystal Springs Uplands School, Hillsborough, CA
Developed curriculum and taught math to students in elementary and middle school during a summer enrichment program. Head of Summer Enrichment Math Department 2003-2007.

- 2005 **Graduate Research Assistant**
 Dr. Connie Juel, Stanford University School of Education, CA
 Collaborated on design of a study of teacher credentialing programs on
 teacher motivation, satisfaction, expectations, and retention.
- 2004 – 2005 **Graduate Research Assistant**
 Dr. John Gabrieli, Stanford University Psychology Department, CA
 Project management for two neuroimaging studies examining computer-
 based interventions for reading and dyslexia.
- 2001 – 2002 **Senior Research Associate**
 Kensington Research Group, Kensington, CA
 Project Director of *Career Ladder in West Contra Costa School
 District*, a program supporting college transitions to classroom teaching.
 Project Coordinator for *Even Start*, a family literacy program.
- 1998 – 2001 **Research Assistant**
 Levenson Lab, U.C. Berkeley Department of Psychology, CA
 Utilized polygraphs and video recording to assess the relationship
 among job and marriage stress and pleasure with married couples in law
 enforcement, and contributed to the development of a coding manual.
- 1999 **Research Assistant**
 Dr. Rhona Weinstein, U.C. Berkeley Department of Psychology, CA
 Literature reviews, data entry, and editing for a manuscript later
 published as the book *Reaching Higher: The Power of Expectations in
 Schooling*, Harvard University Press, 2002.
- 1997 – 1998 **Research Assistant**
 Institute of Human Development
 U.C. Berkeley Department of Psychology, CA
 Examined the relationship between numerical representation and word
 comprehension in infancy.

RESEARCH INTERESTS

Educational Neuroscience, Developmental Dyslexia and Special Education, Motivation, Humor
 and Positive Emotion, Child and Adolescent Mental Health, Resilience in the Life Course,
 Neuroscience Curriculum in Social Work Education

HONORS AND AWARDS

Teaching Excellence Award, Boston College School of Social Work, 2016
 Teaching Excellence Award, Boston College School of Social Work, 2015
 Scholarship Excellence Award, Boston College Graduate School of Social Work, 2014
 Teaching Excellence Award, Boston College Graduate School of Social Work, 2013
 Motivation SIG Travel Award, American Educational Research Association, 2008, 2009
 Spencer Research Training Grant, 2007 – 2008
 Post Candidacy Travel Fellowship, Stanford University School of Education, 2005, 2008

School of Education Fellowship and Research Award, Stanford University, 2002 – 2007
Phi Beta Kappa, Alpha of California at the University of California, 1998
Summa Cum Laude, University of California, Berkeley, 1998
Alumni Scholar, University of California, Berkeley, 1997, 1998
Mortar Board National Senior Honor Society, 1997
Golden Key National Honor Society, 1997

GRANTS

Faculty Research Expense Grant (REG), Boston College: Black (PI), Amount: \$2,000
Dates: 06/01/2016 – 5/31/2017
Biomarkers in Adolescent Development and Resilience

Ignite Grant, Boston College: Black (PI), Amount: \$30,000
Dates: 06/01/2014 – 5/31/2015
Using a Biopsychosocial Lens to Examine Risk and Protective Processes in Students with Learning Disabilities

Teaching and Mentoring Award (TAM), Boston College: Black (PI), Amount: \$7,300
Dates: 06/01/2012 – 5/31/2014
Integrating Neurobiological Perspectives on Development into Social Work Teaching and Mentoring

Faculty Research Incentive Grant (RIG), Boston College: Black (PI), Amount: \$15,000
Dates: 06/01/2012 – 5/31/2014
Prediction of Reading Achievement in Young Children

Faculty Research Expense Grant (REG), Boston College: Black (PI), Amount: \$2,000
Dates: 06/01/2011 – 5/31/2012
Genetics Methodology Short Course, Jackson Laboratory

Children's Health Research Program Pediatric Research Fund: Reiss (PI), Amount: \$35,000
Center for Interdisciplinary Brain Sciences Research, Stanford University School of Medicine
Dates: 01/01/2010 – 12/31/2011
Role: Co-Investigator
Neural Correlates of Humor During Childhood

NIH Research Training Grant (T32): Reiss (PI)
Center for Interdisciplinary Brain Sciences Research, Stanford University School of Medicine
Dates: 06/2008 – 06/2010
Role: Postdoctoral Research Fellow, Supervisor: Dr. Allan L. Reiss
NIH Research Training Grant

Spencer Research Training Grant, Stanford University: Black (PI), Amount: \$6,500
Dates: 02/2007 – 02/2008
Academic Self-Concept, Subjective Task Value, and Beliefs about Intelligence in Dual-Language and English-Only Elementary School Students

SPECIALIZED TRAINING AND PROFESSIONAL DEVELOPMENT

- 2016** *Academic Technology Advisory Board Hybrid Course Development*, Center for Teaching Excellence, Boston College, Chestnut Hill, MA
- 2015** *Intersections Common Room Faculty Retreat*, Boston College, Waterville Valley, New Hampshire (Participant)
- 2015** *Writing and Designing NSF Workshop Proposals*, Grant Training Center, Harvard University School of Medicine, Cambridge, MA (Participant)
- 2011** *52nd Annual Short Course on Experimental and Mammalian Genetics*, Jackson Laboratory, Bar Harbor, Maine (Participant through Application)
- 2010** *NIH Summer Institute on Transdisciplinary Research: Integrating Genetic and Social Work Research*, Bethesda, Maryland (Participant through Application)

JOURNAL ARTICLES

- Black, J. M., & Conway, A. M.** (in press). The importance of developmental neuroscience for social work research and practice with children and adolescents. *Journal of the Society for Social Work and Research*, 8(4).
- Eack, S. M., **Black, J. M.**, & Hunter, R. (in press). Introducing social work and neuroscience. *Journal of the Society for Social Work and Research*, 8(4).
- Black, J. M.**, Zhichao, Z., & Hoeft, F. (2017). Neurobiological bases of Reading Disorder Part II: The importance of developmental considerations in typical and atypical reading. *Language and Linguistics Compass*, 11(10).
- Black, J. M.** (2017). Positive emotion. *Encyclopedia of Social Work*: Oxford University Press. April, DOI:10.1093/acrefore/9780199975839.013.1241.
- Black, J. M.** (2017). Adolescent brain development. *Encyclopedia of Social Work*: Oxford University Press. February, DOI: 10.1093/acrefore/9780199975839.013.1239.
- Black, J. M.** (2017). Sleep. *Encyclopedia of Social Work*: Oxford University Press. February, DOI:10.1093/acrefore/9780199975839.013.1240.
- Myers, C. A., Wang, C. **Black, J. M.**, Bugescu, N., & Hoeft, F. (2016). The matter of motivation: Striatal resting-state connectivity is dissociable between grit and mindset. *Social Cognitive and Affective Neuroscience*, 11(10): 1521-1527.
- Yamagata, B., Murayama, K., **Black, J. M.**, Hancock, R., Mimura, M., Yang, T. T., Reiss, A. L., & Hoeft, F. (2016). Female-specific intergenerational transmission patterns of the human corticolimbic circuitry. *Journal of Neuroscience*, 36(4): 1254-60.

- Black, J. M.**, & Hoeft, F. (2015). Utilizing biopsychosocial and strengths-based approaches within the field of child health: What we know and where we can grow. *New Directions for Child and Adolescent Development*, 147: 13-20.
- Black, J. M.**, Myers, C. A., & Hoeft, F. (2015). The utility of neuroimaging studies for informing educational practice and policy in reading disorders. *New Directions for Child and Adolescent Development*, 147: 49-56.
- Myers, C. A., Vandermosten, M., Farris, E. A., Hancock, R., Gimenez, P., **Black, J. M.**, Casto, B., Drahos, M., Tumber, M., Hendren, R. L., Hulme, C., & Hoeft, F. (2014). White matter morphometric changes uniquely predict children's reading acquisition. *Psychological Science*, 25(10): 1870-1883.
- Norton, E., **Black, J. M.**, Stanley, L. M., Tanaka, H., Gabrieli, J. D. E., Sawyer, C., & Hoeft, F. (2014). Functional neuroanatomical evidence for the double-deficit hypothesis of developmental dyslexia. *Neuropsychologia*, 61: 235-246.
- Gimenez, P., Bugescu, N., **Black, J. M.**, Pugh, K., Nagamine, M., Mazaika, P., McCandliss, B., & Hoeft, F. (2014). Neuroimaging correlations of handwriting quality as children learn to read and write. *Frontiers in Human Neuroscience*, 8: 1-15.
- *Vrticka, P., ***Black, J. M.**, & Reiss, A. L. (2013). The neural basis of humor processing. *Nature Reviews Neuroscience*, 14: 860-868. (*equal contributors)
- Vrticka, P., **Black, J. M.**, Neely, M., Walter-Shelly, E., & Reiss, A. L. (2013). Humor processing in children: Influence of temperament, age and IQ. *Neuropsychologia*, 51(13): 2799-2811.
- Vrticka, P., Neely, M., Walter-Shelly, E., **Black, J. M.**, & Reiss, A. L. (2013). Sex-differences during humor appreciation in child-sibling pairs. *Social Neuroscience*, 8(4): 291-304.
- Ashkenazi, S., **Black, J. M.**, Abrams, D. A., Hoeft, F., & Menon, V. (2013). Neurobiological underpinnings of math and reading learning disabilities. *Journal of Learning Disabilities*, 46(6): 549-69.
- Hosseini, H., **Black, J. M.**, Soriano, T., Bugescu, N., Martinez, R., Raman, M. M., Kesler, S. R., & Hoeft, F. (2013). Topological properties of large-scale structural brain networks in children with familial risk of developmental dyslexia. *NeuroImage*, 71: 260-74.
- Neely, M., Walter, E., **Black, J. M.**, & Reiss, A. L. (2012). Neural correlates of humor detection and appreciation in children. *Journal of Neuroscience*, 32(5): 1784-1790.
- Black, J. M.**, Tanaka, H., Stanley, L., Nagamine, M., Zakerani, N., Thurston, A., Kesler, S., Hulme, C., Lyytinen, H., Glover, G. H., Serrone, C., Raman, M. M., Reiss, A. L., & Hoeft, F. (2012). Maternal history of reading difficulty is associated with reduced language-related gray matter in beginning readers. *NeuroImage*, 59(3): 3021-3032.

*Tanaka, H., ***Black, J. M.**, Hulme, C., Stanley, L., Kesler, S. R., Whitfield-Gabrieli, S., Reiss, A. L., Gabrieli, J. D. E., & Hoeft, F. (2011). The brain basis of the phonological deficit in dyslexia is independent of IQ. *Psychological Science*, 22(11): 1442-1451. (*equal contribution)

Hoeft, F., McCandliss, B., **Black, J. M.**, Gantman, A., Zakerani, N., Hulme, C., Lyytinen, H., Whitfield-Gabrieli, S., Glover, G. H., Reiss, A. L., & Gabrieli, J. D. E. (2011). Neural systems predicting long-term outcome in dyslexia. *Proceedings of the National Academy of Sciences, USA*, 108(1): 361-366.

Hoeft, F., Meyler, A., Hernandez, A., Juel, C., Taylor-Hill, H., Martindale, J. L., McMillon, G., Kolchugina, G., **Black, J. M.**, Faizi, A., Deutsch, G.K., Siok, W. T., Reiss, A. L., Whitfield-Gabrieli, S., & Gabrieli, J. D. E. (2007). Functional and morphometric brain dissociation between dyslexia and reading ability. *Proceedings of the National Academy of Sciences, USA*, 104(10): 4234-4239.

BOOK CHAPTERS

Black, J. M. (forthcoming). Neuroscientific perspectives on social work theory. In *Routledge Handbook on Social Work Theory*, E. Hall & M. Payne (Eds.) U.K.: Routledge.

Black, J. M., & Hoeft, F. (forthcoming). Prognosis of developmental dyslexia using multimodal neuroimaging. In *The Wiley Handbook on the Cognitive Neuroscience of Developmental Dyslexia*, G. Eden (Ed.) USA: John Wiley & Sons, Ltd.

Black, J. M., & Hoeft, F. (2012). Prediction of children's reading skills: Understanding the interplay among environment, brain, and behavior. In *Developmental Dyslexia: Early Precursors, Neurobehavioral Markers and Biological Substrates*, A. Benasich, & R. H. Fitch (Eds.) Baltimore: Brookes Publishing.

MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

Patael, S. Z., Farris, E. A., **Black, J. M.**, Hancock, R., Gabrieli, J. D. E., Cutting, L. E., & Hoeft, F. (under review). Prefrontal cortex as a protective factor that drives dissociation between lower-order decoding and higher-order reading comprehension.

Hendren, R., **Black, J. M.**, Haft, S. L., Sparrow, M., White, N. C., & Hoeft, F. (revision in progress). Understanding and treating children with specific learning disorder.

Black, J. M., Nash, C., Buonopane, R., & Haagen, K. T. (in preparation). The neuroscience of sleep in child and adolescent mental health.

Black, J. M. (in preparation). Advancements in neuroscience research and implications for social work theory, practice and policy work. *The International Journal of Continuing Social Work Education*.

Haft, S., & **Black, J. M.** (in preparation). Building buoyancy: A biopsychosocial approach to conceptualizing and fostering resilience in youth with learning disabilities.

BOOKS IN PREPARATION

Black, J. M. *Social Cells: Neuroscience for Social Work Research and Clinical Practice.* (in preparation). Health and Social Care. C. Jarvis (Ed.), Routledge: U.K.

INVITED TALKS

Black, J. M. (2018, May). *The buoyant brain: The neuroscience of building resilience in and around children and adolescents.* Full day workshop at the Mental Health Conference, Massachusetts Department of Mental Health, Taunton, MA.

Black, J. M. (2018, April). *Neuroscience of self and society.* Presentation for the Certificate Program, Clinical Advanced Course, Boston College School of Social Work, Chestnut Hill, MA.

Black, J. M. (2018, February). *Fusing fields or forging bridges: Neuroscience research in social work practice.* Presentation at the University of San Francisco (UCSF), San Francisco, CA.

Black, J. M. (2017, November). *Neuroscience: A critical component to the core of social work practice.* Keynote presentation at the Moving Toward Neuroscience-Based Social Work Conference, Skirball Cultural Center, Los Angeles, CA.

Black, J. M. (2017, November). *Neuroscience and the development of human relationships.* Presentation delivered at the Bradley Hospital Social Work Speakers Series, Bradley Hospital, East Providence, RI.

Black, J. M. (2017, July). *Neurobiological perspectives of stress and resilience throughout the life course.* Workshop presentation the Boston College School of Social Work, Continuing Education Series, Chestnut Hill, MA.

Black, J. M. (2017, July). *Humor, brain development and resilience across the lifespan.* Full day workshop at the Center for Professional Innovation, Chelmsford, MA.

Black, J. M. (2017, March). *Brain development among children, adolescents, and transition-aged youths.* Presentation at the Council on Social Work Education (CSWE) Minority Fellowship Program, Alexandria, VA.

Black, J. M. (2016, November). *The utility of neuroimaging research for children and adolescents with specific learning disorders: Implications for practice and policy.* Presentation at the annual convention of the American Speech-Language-Hearing Association, Philadelphia, PA.

Black, J. M. (2016, October). *The brain in a social context: Current connections and future directions in social work practice and neuroscience research.* Keynote address presented at the Annual Dr. Helen Rehr Social Work Grand Rounds, Mount Sinai Hospital, New York, NY.

- Black, J. M.** (2016, October). *Current directions in child development: Themes bridging social work and neuroscience*. Presentation to Pediatric Social Work, Mount Sinai Hospital, New York, NY.
- Black, J. M.** (2016, March). *Neuroanatomy of humor*. Harvard Medical School and VA Boston Healthcare System Mental Health Grand Rounds, VA Boston Healthcare System, Brockton, MA.
- Black, J. M.** (2015, May). *Humor development and resilience across the lifespan*. SuperBrains 2015 Neuroscientific Perspectives on Happiness, Creativity, Expertise and the Brain at its Best, Cleveland Clinic, Lou Ruvo Center for Brain Health, Las Vegas, NV.
- Black, J. M.** (2015, April). *Strengths and humor in child development research and practice: What we know and where we can grow*. Grand Rounds, Franciscan Hospital for Children, Brighton, MA.
- Black, J. M.** (2015, March). *The science of synergy: Bridging neuroscience and social work research*. School of Social Work Faculty Meeting, Boston College, Chestnut Hill, MA.
- Black, J. M.** (2015, February). *How neuroimaging studies can inform educational practice and policy: The case of Reading Disorder*. Collaborative Research Forum, Boston College, Chestnut Hill, MA.
- Black, J. M.** (2014, April). *Social work and neuroscience*. Boston College Graduate School of Social Work Advisory Board, Boston College, Chestnut Hill, MA.
- Black, J. M.** (2012, March). *Brain, behavior, and environment: An emerging framework for Educational Psychology*. Lynch School of Education, Boston College, Chestnut Hill, MA.
- Black, J. M.** (2011, February). *Brain basis of developmental dyslexia and implications for educational neuroscience*. McLean Hospital Research Forum, Belmont, MA.
- Black, J. M.** (2007, October). *Indicators of thriving among students with learning differences*. Forum on Thriving, Search Institute, Minneapolis, MN.

PRESENTATIONS AT PROFESSIONAL CONFERENCES

- Black, J. M.** (2017, January). *Getting connected to neuroimaging technology and methodology in social work research*. Pre-conference research methods workshop presented at the annual meeting of the Society for Social Work and Research, New Orleans, LA.
- Black, J. M.** (2016, January). *Intergenerational transmission patterns in the human brain*. In S. M. Eack (Chair), *Social work and neuroscience: Using neuroimaging to address social problems*. Symposium conducted at the annual meeting of the Society for Social Work and Research, Washington D.C.

- Myers, C. A., Bugescu, N., **Black, J. M.**, & Hoeft, F. (2015, March). *The neuroscience of character: Striatal resting-state connectivity of grit*. Poster session presented at the biannual meeting of the Society for Research in Child Development, Philadelphia, PA.
- Black, J. M.**, & Eack, S. (2015, January). *Introduction to functional MRI research and applications to social work*. Workshop conducted at the annual meeting of the Society for Social Work and Research, New Orleans, LA.
- Hoeft, F. **Black, J. M.**, & Myers, C. A. (2014, October). *Socio-emotional aspects of reading disabilities*. Paper presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry, San Diego, CA.
- Tanaka, H., **Black, J. M.**, & Hoeft, F. (2014, June). *A strong correlation between IQ-reading discrepancy and phonological decoding inefficiency for children with average and above-average IQs*. Poster session presented at the annual meeting of the American Academy of Clinical Neuropsychology, New York City, NY.
- Black, J. M.**, Vrticka, P., & Reiss, A. L. (2014, April). *The neural basis of sense of humor in children*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, Boston, MA.
- Casto, B., Bugescu, N., Kaminetskaya, M., **Black, J. M.**, Hendren, R., & Hoeft, F. (2014, February). *Brain mechanisms underlying typical reading despite poor phonological processing*. Poster session presented at the annual meeting of the International Neuropsychological Society, Seattle, WA.
- Kutner, E., **Black, J. M.**, & Hoeft, F. (2013, August). *Predicting self-concept in young children with a behavioral risk of reading disorder*. Poster session presented at the annual meeting of the American Psychological Association, Honolulu, HI.
- Myers, C. A., Farris, E., Drahos, M., **Black, J. M.**, & Hoeft, F. (2013, May). *Left temporo-parietal white matter development in beginning readers is predicted by maternal and not paternal reading history*. Poster session presented at the annual convention of the Association for Psychological Science, Washington, D.C.
- Vrticka, P., **Black, J. M.**, Neely, M., Walter, E., & Reiss, A. L. (2013, April). *Sex differences during humor appreciation in child sibling-pairs*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Bugescu, N., Gimenez, P., **Black, J. M.**, Tanaka, H., Casto, B., Soriano, T., & Hoeft, F. (2013, February). *Neurobiological correlates of handwriting skill in readers with and without developmental dyslexia*. Poster session presented at the annual meeting of the International Neuropsychological Society, Waikoloa, HI.
- Tanaka, H., Gimenez, P., **Black, J. M.**, Eide, B., Eide, F., Soriano, T., Tumber, M., Martinez, R., Thurston, A., & Hoeft, F. (2013, February). *Neurobiological signatures of IQ-reading discrepancy in average readers*. Poster session presented at the annual meeting of the International Neuropsychological Society, Waikoloa, HI.

- Black, J. M.** (2012, November). *Advancing students' understanding of neurobiological perspectives in HBSE: Integration and course development*. Poster presented at the Annual Program Meeting for the Council on Social Work Education, Washington, D.C.
- Soriano, T. J., **Black, J. M.**, Serrone, C., Yates, E., Sawyer, C., & Hoeft, F. (2012, October). *Left temporo-parietal region and the default-mode network in dyslexia*. Poster session presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry, San Francisco, CA.
- Black, J. M.** (2012, February). *Through the lens of language: Examining achievement motivation and academic achievement in Latino children enrolled in dual language schools*. Paper presented at the Society for Research in Child Development Themed Meeting: Positive Development of Minority Children, Tampa, FL.
- Black, J. M.** (2012, January). *Adolescents' motivation-related self-perceptions and achievement in high school math and English classes*. Paper presented at the Hawaii International Conference on Education, Honolulu, HI.
- Hoeft, F., **Black, J. M.**, Thurston, A., Bugescu N., Martinez, R., Kesler, S., & Hosseini, H. (2011, November). *Brain morphometric patterns derived from graph analysis and support vector machine algorithms predict children at-risk for developing dyslexia*. Paper presented at the Society for Neuroscience Research, Washington D.C.
- Black, J. M.** (2011, October). *Practical techniques for integrating neuroscience and genetics research into social work education*. Electronic poster presented at the Annual Program Meeting for the Council on Social Work Education, Atlanta, GA.
- Black, J. M.**, & Hoeft, F. (2011, July). *Morphometric and functional neuroanatomy of rapid naming, phonological processing and word identification in children with a wide range of reading ability: Implications for the double-deficit hypothesis of developmental dyslexia*. Poster presented at the 52nd Annual Short Course on Mammalian and Experimental Genetics, The Jackson Laboratory, Bar Harbor, ME.
- Hoeft, F., & **Black, J. M.** (2011, June). *Will brain imaging replace behavioral and cognitive assessment in predicting academic achievement?* Paper presented at The International Mind, Brain and Education Conference, Los Angeles, CA.
- Gelbach, H., Nolen, S., Turner, J., & **Black, J. M.** (2010, May). *A new mix of methodological perspectives on studying motivation*. Discussant: Deborah Stipek. Symposium conducted at the annual meeting of the American Educational Research Association, Denver, CO.
- Black, J. M.** (2009, August). *Affect and competency separation within academic self-concept: Just age effects?* Poster session presented at the annual meeting of the American Psychological Association, Toronto, Canada.
- Black, J. M.**, Digby, N. P., Reiss, A. L., & Hoeft, F. (2009, June). *Socioeconomic status and brain activation are differentially associated for dyslexic versus typically-reading adolescents*. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Boston, MA.

- Black, J. M.**, Nagamine, M., Mazaika, P.K., Tanaka, H., Stanley, L. M., Heitzmann, J., Zakerani, N., Red, S., Digby, N. P., Saleh, M., Glover, G. H., Reiss, A. L., & Hoeft, F. (2009, June). *Differential brain activation in 5- and 6-year-olds with and without family history of reading difficulty*. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, San Francisco, CA.
- Nagamine, M., **Black, J. M.**, Mazaika, P.K., Tanaka, H., Stanley, L. M., Heitzmann, J., Zakerani, N., Red, S., Digby, N. P., Saleh, M., Glover, G. H., Reiss, A. L., & Hoeft, F. (2009, June). *Neural basis of phonological processing in kindergarten children at risk for dyslexia*. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, San Francisco, CA.
- Hoeft, F., **Black, J. M.**, Hulme, C., Tanaka, H., Reiss, A. L., & Hoeft, F. (2009, June). *Neural correlates of low achievement (LA), aptitude-achievement discrepancy (AAD) and response to intervention (RTI) models in poor reading children*. Paper presented at the annual meeting of the Society for the Scientific Study of Reading, Boston, MA.
- Tanaka, H., **Black, J. M.**, Reiss, A. L., & Hoeft, F. (2009, May). *Neural correlates of phonological processing in children with low achievement, aptitude-achievement discrepancy and no reading impairment*. Poster session presented at the annual meeting of the Association for Psychological Science, San Francisco, CA.
- Black, J. M.** (2009, April). *Children's academic task value differentiation: The influence of grade level, native language and language of instruction*. Poster session presented at the biannual meeting of the Society for Research in Child Development, Denver, CO.
- Black, J. M.** (2009, April). *Academic self-concepts of children in diverse language contexts: Measurement and dimension*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Black, J. M.**, Nagamine, M., Reiss, A. L., Gabrieli, J. D. E., & Hoeft, F. (2009, March). *Morphometric and functional neuroanatomy of rapid naming, phonological processing and word identification in children with a wide range of reading ability: Implications for the double-deficit hypothesis of developmental dyslexia*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Black, J. M.** (2008, August). *Task value and perceived competency: Age, gender and language effects*. Paper presented at the annual meeting of the American Psychological Association, Boston, MA.
- Black, J. M.**, Ho, C., Zakerani, N., Heitzmann, J., Reiss, A. L., & Hoeft, F. (2008, August). *Reading and gender: Outcomes of typical and dyslexic adolescent readers*. Poster session presented at the annual meeting of the American Psychological Association, Boston, MA.
- Ho, C., **Black, J. M.**, Heitzmann, J., Zakerani, N., Reiss, A. L., & Hoeft, F. (2008, August). *Predictors of reading gains in adolescents with dyslexia*. Poster session presented at the annual meeting of the American Psychological Association, Boston, MA.

- Black, J. M.**, Ho, C. S., Heitzmann, J., Zakerani, N., Reiss, A. L., & Hoeft, F. (2008, June). *Differential associations with socioeconomic status and brain activation in dyslexic versus typical adolescent readers*. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Melbourne, Australia.
- Ho, C. S., Gantman, A., **Black, J. M.**, Heitzmann, J., Zakerani, N., Reiss, A. L., & Hoeft, F. (2008, June). *Neuroanatomical correlates of reading development in adolescents with dyslexia: A longitudinal study*. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Melbourne, Australia.
- Zakerani, N., McCandliss B., Ho, C., Heitzmann, J., **Black, J. M.**, Ojo, X. R., Reiss, A. L., & Hoeft, F. (2008, April). *Predicting gains in reading abilities using diffusion tensor imaging (DTI) in adolescents with dyslexia*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Black, J. M.** (2008, March). *Through the lens of language: Exploring intelligence beliefs among dual-language and English-only students*. Poster session presented at the annual meeting of the American Educational Research Association, New York City, NY.
- Black, J. M.** (2008, March). *Global or differentiated? Examining the factor structure of intelligence beliefs by academic subject and language*. Poster session presented at the annual meeting of the American Educational Research Association, New York City, NY.
- Black, J. M.**, Maeda, F., Taylor, H., Kolchugina, G., Faizi, A., Martindale, J., McMillion, G., Hernandez, A., Meyler, A., & Gabrieli, J. D. E. (2005, April). *Combined neuroimaging (fMRI, VBM and DTI) and psychophysical evidence of dyslexia in an adolescent population*. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, New York City, NY.
- Black, J. M.** (2005, April). *Fit to belong: Self-esteem in context*. Poster session presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Black, J. M.** (1999, May). *Family influence on student math achievement*. Paper presented at the annual UCLA Psychology Undergraduate Research Conference, Los Angeles, CA.
- Black, J. M.** (1999, April). *A cultural perspective of the relationship between gender and math achievement*. Poster presented at the Western Psychology Conference for Undergraduate Research, Santa Clara, CA.

PROFESSIONAL AFFILIATIONS

American Educational Research Association; American Psychological Association; Association for Psychological Science; Cognitive Neuroscience Society; Council on Social Work Education; International Dyslexia Association; International Literacy Association; Organization for Human Brain Mapping; Society for Neuroscience; Society for Research in Child Development; Society for the Scientific Study of Reading; Society for Social Work and Research

PROFESSIONAL SERVICE

Reviewer, National Institute of Health (NIH) Study Section (2018 – present)
Member, Language and Communication (LCOM)

Guest Co-Editor, Special Issue

Frontiers in Behavioral Neuroscience, Brain Programming by Early Life Stress (2017 – present)

Guest Co-Editor, Special Section

Journal for the Society of Social Work and Research, Special Section: Neuroscience and Social Work, Summer 2018 (2016 – present)

Editorial Board

Frontiers in Educational Psychology (2011 – present)

Ad Hoc Reviewer

Biological Psychiatry

Brain and Language

Brain Structure and Function

Developmental Cognitive Neuroscience

Frontiers in Behavioral Neuroscience

Human Brain Mapping

Journal of Mind, Brain and Education

NeuroImage

Neuropsychologia

Social Cognitive and Affective Neuroscience

The Open Medical Imaging Journal

Abstract Reviewer

Neuroscience Topical Area, *Society for Social Work and Research Annual Conference* (2014 – present)

Membership Committee

Interdisciplinary Association for Population Health Science (2015 – 2016)

Chair

Neuroscience in Social Work, Special Interest Group (SIG), Society for Social Work and Research (2015 – present)

UNIVERSITY SERVICE

Core Renewal Course Development, *Modern Science & Ancient Faith: Neuroscientific Perspectives*, 2017 – present

Faculty Field Marshal, The 140th Commencement of Boston College, 2016 – present

Member, Research Day Committee, Office of the Vice Provost for Research, 2015 – 2016

Member, The Resilience Project, Division of Student Affairs, Boston College, 2015

SCHOOL OF SOCIAL WORK SERVICE

Chair, *Children, Youth and Families Concentration*, 2017 – present
Member, *Academic Planning Committee (APC)*, 2017 – present
Core Course Development, *Neuroscience of Self and Society*, BCSSW Certificate Program, 2017 – present
Faculty Advisor, *School of Social Work Social Brain Book Club*, 2014 – present
Curriculum Development, *SCWK7721 Neuropsychology Learning Modules*, 2014 – present
Curriculum Development, *Neuroscience and Social Work Certificate*, 2014 – present
Faculty Member, *Children, Youth and Families Concentration*, 2010 – present
Faculty Member, *Health and Mental Health Concentration*, 2010 – present
Faculty Member, *BCSSW Diversity and Justice Committee*, 2012 – 2013, 2014 – 2016
Faculty Reviewer, *BCSSW Doctoral Program Applications*, 2012 – 2015
Chair, *Social Work and Neuroscience Intersections Symposium*, 2015
Curriculum Development, *SCWK7724 MSW Elective Course*, 2014
Member, *GSSW Faculty Search Committee*, 2011– 2014
Faculty Advisor, *Neuroscience and Social Work Student Journal Club*, 2012 – 2013
Host and Moderator, *Incoming Student Diversity Series Event (Disabilities)*, 2012
Curriculum Development, *SCWK7726 MSW Elective Course*, 2012

SERVICE TO COMMUNITY

Vice President, Holliston MA Elementary Parent Teacher Organization (PTO), 2017 – present
Member, Social-Emotional Working Group, Holliston MA Wellness Council, 2017 – present
Program Evaluation, United Way of Massachusetts Bay and Merrimack Valley, 2015 – 2016
Curriculum Development, Franciscan Hospital for Children, Brighton, MA, 2015