

KAJA K. JASIŃSKA, PHD

300 George Street, New Haven, CT, 06511
 203-865-6163 ext. 315
 kaja.jasinska@yale.edu
 http://www.haskins.yale.edu/staff/jasinska

POSITIONS

Post-Doctoral Research Associate, Haskins Laboratories 2013- present
 Formally Affiliated with Yale University
 Mentors: Dr. Nicole Landi & Dr. Kenneth R. Pugh

Graduate Researcher, Brain and Language Laboratory, 2011-2013
 US National Science Foundation’s Science of Learning (VL²) Center,
 Gallaudet University
 Mentors: Dr. Laura-Ann Petitto

Graduate Researcher, The Cognitive Neuroscience fNIRS Brain Imaging 2009-2013
 & Genes Laboratory for Language, Bilingualism, and Child Development,
 Department of Psychology, University of Toronto
 Mentors: Dr. Laura-Ann Petitto)

EDUCATION

University of Toronto, Department of Psychology and Program in Neuroscience 2009-2013
Doctor of Philosophy, 2013

Thesis: “Untangling the Temporal Dynamics of Bilateral Neural Activation
 in the Bilingual Brain”

Thesis Supervisor: Dr. Laura-Ann Petitto

Thesis Committee: Dr. Randy McIntosh, Dr. Mark Schmuckler

University of Western Ontario, Interdisciplinary Program in Linguistics 2007-2009
Master’s Degree, 2009

Thesis: “The Relationship between Theory of Mind and Pragmatic Language in
 Children with Developmental Disabilities”

Thesis Supervisors: Dr. Elizabeth Skarakis-Doyle, Dr. Robert J. Stainton

University of Toronto, School of Arts and Science 2003-2007
Honours Bachelor of Science, 2007

Thesis: “The Role of Input in Syntactic Development: Evidence from
 Special Populations”

Thesis Supervisor: Dr. Michaela Pirvulescu

GRANTS

Jacobs Foundation Early Career Research Fellowship, Switzerland 2016-2018
 Project Title: Promoting Literacy Development in Children in Rural Cocoa Producing
 Communities in Cote d’Ivoire (CHF 150, 000)

AWARDS AND HONOURS

Award of Excellence for Outstanding Performance and Lasting Contribution on 2014
 Academic Activities, *African Institute for Mathematical Sciences (AIMS)*, Senegal

<i>National Science Foundation, Science of Learning Center: Visual Language & Visual Learning Center Cross-Lab Research Grant, Gallaudet University</i>	2012
<i>National Science Foundation, Science of Learning Center: Temporal Dynamics of Learning Center Selected Summer Fellow, University of California, San Diego</i>	2012
<i>Ontario Graduate Scholarship (\$15,000), University of Toronto</i>	2012-2013
<i>Neuroscience Program Travel Award, University of Toronto</i>	2011
<i>National Science Foundation, Science of Learning Center: Visual Language & Visual Learning Center International Research Internship, Gallaudet University</i>	2011
<i>Nominated for UTSC TA Teaching Award, University of Toronto</i>	2011
<i>Ontario Graduate Scholarship (\$15,000), University of Toronto</i>	2011-2012
<i>School of Graduate Studies Conference Grant, University of Toronto</i>	2011
<i>Invited to meet His Holiness the Dalai Lama at the Symposium on Cognitive Science, Mindfulness & Consciousness on the occasion of the visit of His Holiness the Dalai Lama, University of Toronto</i>	2010
<i>Profiled Neuroscience Student Researcher, University of Toronto</i>	2010
<i>Helen Sawyer Hogg Graduate Award, University of Toronto</i>	2009
<i>Social Sciences and Humanities Research Council (Doctoral Alternate)</i>	2009
<i>Mary Routedge Fellowship, University of Western Ontario</i>	2009
<i>Arts and Humanities Alumni Graduate Award, University of Western Ontario</i>	2009
<i>Ontario Graduate Scholarship (\$15,000), University of Western Ontario</i>	2008-2009
<i>Arts and Humanities Alumni Graduate Award, University of Western Ontario</i>	2008
<i>Graduate Linguistics Scholarship, University of Western Ontario</i>	2007

PUBLICATIONS

Jasińska, K., Molfese, P., Mencl, W.E., Frost, S., Lee, M., Pugh, K.R., Grigorenko, E. & Landi, N. (Revise and Resubmit). Relations Between the BDNF Val/Met Polymorphism, Patterns of Neural Activation in the Developing Brain and Children's Reading and Reading-Related Skills.

Jasińska, K. & Petitto, L.A. (Revise and Resubmit). Age of Bilingual Exposure Predicts Distinct Contributions of Phonology and Semantics to Successful Reading Development.

Jasińska, K. & Petitto, L.A. (2014). Development of Neural Systems for Reading in the Monolingual and Bilingual Brain: New Insights from functional Near Infrared Spectroscopy Neuroimaging. *Developmental Neuropsychology*. 39(6), 421-39. doi: 10.1080/87565641.2014.939180

Jasińska, K. & Petitto, L.A. (2013). How Age of Bilingual Exposure Can Change the Neural Systems for Language in the Developing Brain: A functional Near Infrared Spectroscopy Investigation of Syntactic Processing in Monolingual and Bilingual Children. *Developmental Cognitive Neuroscience*. 6, 87-101. doi: 10.1016/j.dcn.2013.06.005

**Note: 14th most downloaded Developmental Cognitive Neuroscience Articles*

Petitto, L.A., Berens, M.S., Kovelman, I., Dubins, M.H., **Jasińska, K.**, & Shalinsky, M. (2012) The “Perceptual Wedge” hypothesis as the basis for bilingual babies’ phonetic processing advantage: New insights from fNIRS brain imaging. *Brain and Language*. 121(2), 142-155. doi:0.1016/j.bandl.2011.05.003

**Note: Article was recommended by Steven Pinker as one of six articles for researchers who want to read up on the latest in language science in the APA Observer.*

SUBMITTED

Jasińska, K. & Petitto, L.A. (Submitted). Insights into the Neural Basis of Reading using Multilevel Linear Modeling of functional Near Infrared Spectroscopy (fNIRS) Neuroimaging Data: Novel Applications and Insights into Brain Function.

Jasińska, K. & Petitto, L.A. (Submitted). Increased Functional Connectivity in the Developing Bilingual Brain During Language Processing.

Jasińska, K. & Do Cao, L. (*Submitted*). Novel Educational Study in Sub-Saharan Africa: Predictors for Academic Success in STEM Fields.

Jasińska, K., Molfese, P., Mencl, W.E., Frost, S., Lee, M., Pugh, K.R., Grigorenko, E. & Landi, N. (*Submitted*). The BDNF Val/Met Polymorphism Is Linked With Structural Differences in the Developing Brain.

IN PREPARATION

Jasińska, K., Molfese, P., Mencl, E., Lanid, N., Bortfeld, H & Pugh, K. (*In Preparation*) fNIRS and fMRI Neuroimaging into the Neural Representations for Spoken and Written Language In Young Readers.

Ryherd, K., **Jasińska, K.**, Baron, E., Molfese, P., Mencl, W. E., Cutting, L. E. & Landi, N. (*In Preparation*) Neural Activation of Semantic Networks Contributes to Reading Comprehension Skill

Jasińska, K., Berens, M. S., Kovelman, I., & Petitto, L. A. (*In Preparation*). Shedding new light on reading in Spanish-English and English-French bilingual school children: an fNIRS investigation.

Jasińska, K., Berens, M. S., Kovelman, I., & Petitto, L. A. (*In Preparation*). Phonological awareness in Spanish-English bilingual school children: new insights from fNIRS neuroimaging.

Dunbar, K. N., Petitto, L. A. **Jasińska, K.**, Jowkar-Baniani, G., Ahmed, F., Forster, E., Bhasin-Laceman, S., & Naimi, A. (*In Preparation*). Male and Female brains in real-time conversation: A first-time dual view into gender and language using dual fNIRS brain imaging systems. (Final authorship/order TBD).

Jasińska, K. & Valenzuela, E. (*In Preparation*). Constraints on Code-Switching in Early and Late Bilinguals: Inter- and Intra-Sentential Code-Switching from L1 to L2 and from L2 to L1.

BOOK CHAPTERS

Jasińska, K. K., Frost, S., Molfese, P., Landi, N., Mencl, W. E., Rueckle, J., and Pugh, K. (In press). Neuroimaging Perspectives on Skilled and Impaired Reading and the Bilingual Experience. In A. Khateb and I. Bar Kochva (Eds.), *Reading Fluency: Current Insights from Neuro-Cognitive Research and Intervention Studies*. Haifa, Israel: Springer.

INVITED TALKS

Jasińska, K. (2016, Feb). Insights into Language and Reading Development from Neuroscience. *Neuroscience Lecture Series*, Columbia University, New York, NY.

Jasińska, K. (2015, May). Genetic Insights into Reading. *Alvin and Isabelle Liberman Workshop*, University of Connecticut, Storrs, CT.

Jasińska, K. (2015, February). Understanding the Human Brain with Statistics. *African Institute for Mathematical Sciences Seminar Series*, African Institute for Mathematical Sciences, Limbe, Cameroon.

Jasińska, K. (2015, February). What Can Neuroscience Tell Us About Language and Reading Development. *Psycholinguistics Supper Series*, City University of New York. New York, NY.

Jasińska, K. (2014, November). Neural Mechanisms that Support Bilingual Language and How Bilingual Language Experience can Change the Brain's Capacity for Language and Reading. *Cognitive Science Workshop on Language, Learning, and the Brain*, Yale University. New Haven, CT.

Jasińska, K. & Landi, N. (2014, July). Common but impactful genetic polymorphisms in COMT & BDNF are associated strongly with reading and related skills and associated patterns of neural activity. Presented at the annual *Society for the Scientific Study of Reading Conference*, Santa Fe, NM.

Jasińska, K. (2014, September). Neural Representations for Spoken and Written Language in Emergent Literacy. *Haskins Laboratories Discovery Day*, Yale University. New Haven, CT.

Jasińska, K. (2014, May). A Genetic Study of Cognition. *Thinking and Learning Program*, The Graduate Institute. New Haven, CT.

Jasińska, K. (2014, April). Bilingual Insights into Language and Reading Development. *Haskins Laboratories Cross Language Symposium*, Yale University. New Haven, CT.

Jasińska, K. (2013, September). What the Bilingual Brain Can Tell Us About Language, Reading and Cognitive Development. *Haskins Laboratories Staff Talk Series*, Yale University. New Haven, CT

- Jasińska, K.** (2013, March). *Neural Substrates of Language and Reading: Modeling the Bilingual Brain*. University of Ottawa. Ottawa, ON.
- Jasińska, K.** (2013, February). What the Bilingual Brain Can Tell Us About Language, Reading and Cognitive Development. *David Poeppel Laboratory*, New York University. New York, NY
- Jasińska, K.** (2013, February). Language, Reading and Cognitive Development: Insights from the Bilingual Brain. *Cognitive Recovery Lab (P. Turkeltaub)*, Georgetown University. Washington, DC
- Jasińska, K.** (2012, November). Multilevel Linear Modeling: Application for the Sciences of Learning. *Visual Language and Visual Learning (VL2) Seminar Series*, Gallaudet University, Washington, DC.
- Jasińska, K.** (2012, April). Bilateral Activation in the Bilingual Brain: New Insights into Hemispheric Laterality. *Graduate Student Seminar Series*, University of Toronto. Toronto, ON.
- Jasińska, K.** (2011, December). Data Analysis Techniques for functional Near Infrared Spectroscopy. *Integrative Graduate Education and Research Traineeship (US National Science Foundation's Interdisciplinary Training Program)*, Gallaudet University, Washington, DC.
- Jasińska, K.** (2009, April). Theory of Mind and Pragmatic Language in Children with Developmental Disabilities. *Linguistics Talks at Western*, Department of Linguistics, University of Western Ontario. London, ON.

INVITED GUEST LECTURES

- Jasińska, K.** (2014, March). The Bilingual Brain, *Graduate Psychology Course, PSYC 5424, COGS 5150*, Department of Psychology, University of Connecticut. Storrs, CT.
- Jasińska, K.** (2014, March). The Signing Brain, *Sign Language and the Mind*, Department of Linguistics, Yale University. New Haven, CT.
- Jasińska, K.** (2011, February). What is Language. *How the Child Discovers Language Undergraduate Course (PSYC25)*, Department of Psychology, University of Toronto. Toronto, ON.
- Jasińska, K.** (2010, March). The Biological Basis of Language. *How the Child Discovers Language Undergraduate Course (PSYC25)*, Department of Psychology, University of Toronto. Toronto, ON.
- Jasińska, K.** (2008, November). Research Methods in Linguistics. *Second Language Acquisition Undergraduate Course (LING2244)*, Department of Linguistics, University of Western Ontario. London, ON.
- Jasińska, K.** (2008, October). Childhood Language Impairments. *Introduction to Linguistics Undergraduate Course (LING1027)*, Department of Linguistics, University of Western Ontario. London, ON.

CONFERENCE PRESENTATIONS

TALKS

- Jasińska, K., & Landi, N.** (2014, Oct). Common genetic variation in BDNF and COMT genes is linked with Neural Activation Patterns in the Developing Brain and Children's Reading Skills. Presented at the annual *New England Research on Dyslexia Society* conference. Boston, MA.
- Langdon, C., **Jasińska, K., & Petitto, L.A.** (2014, Oct). Impact of Visual Signed Language Exposure and Phonological Language Tissue Development: Evidence from fNIRS neuroimaging of language processing in deaf individuals with cochlear implants Presented at the *fNIRS* conference. Montreal, QC.
- Jasińska, K., Shaw, K, Bortfeld, H & Pugh, K.** (2014, Oct). Neural representations for spoken language are influenced by the development of reading. Presented at the *fNIRS* conference. Montreal, QC.
- Jasińska, K.** (2014, April). What the Bilingual Brain Can Tell Us About Language, Reading and Cognitive Development. Presented at the annual *Cross-Language Research Conference*, New Haven, CT.
- Jasińska, K.** and Petitto, L.A. (2012, April). Temporal dynamics of bilateral activation in the bilingual brain. Presented at the annual *National Science Foundation's inter-Science of Learning Center (iSLC) Conference*, San Diego, CA.
- Jasińska, K.** and Malkowski, M. (2010, March). The neural correlates of bilingual language processing

and reading development. Presented at the annual *Western Interdisciplinary Symposium on Language Research*. London, ON.

Jasińska, K. (2009, March). Age of acquisition and the syntactic constraints of code-switching. Presented at the annual *Western Interdisciplinary Symposium on Language Research*. London, ON.

Jasińska, K. (2008, December). Early and late bilingualism effects on the syntactic constraints of code-switching. Presented at the annual *Bilingual Workshop in Theoretical Linguistics*. Ottawa, ON.

Jasińska, K. (2008, March). The bilingual brain: processing costs of code-switching. Presented at the annual *Western Research Forum*, London, ON.

Jasińska, K. (2007, December). The acquisition of place deixis: acquisition and use in visually impaired children. Presented at the annual *Bilingual Workshop in Theoretical Linguistics*, Montreal, QC.

POSTERS

Jasińska, K., Molfese, P., Mencl, W.E., Frost, S., Lee, M., Pugh, K.R., Grigorenko, E. & Landi, N. (*Accepted*). The BDNF Val⁶⁶Met Polymorphism is Associated with Structure and Function in the Developing Brain with Implications for Children’s Cognitive Abilities. *Cognitive Neuroscience Society*. New York, NY.

Lau, A., **Jasińska, K.,** Shuai, L., Bortfeld, H., Landi, L., & Pugh, K. (*Accepted*). Functional Near Infrared Spectroscopy (fNIRS) Investigation of Emerging Reading Pathways in Children with Poor Phonological Awareness. *Cognitive Neuroscience Society*. New York, NY.

Jasińska, K., Buis, B., Cort, B., Molfese, P., Mencl, E., Bortfeld, H & Pugh, K. (2015, June) Neural Representations for Spoken and Written Language In Beginning Readers: Insights from fNIRS and fMRI Neuroimaging. Poster presented at *Organization for Human Brain Mapping*. Honolulu, HI.

Jasińska, K., Parbhu, B., Shaw, K, Bortfeld, H & Pugh, K. (2015, May) Neural Representations for Spoken and Written Language during Emergent Literacy. Poster presented at the annual *National Science Foundation inter-Science of Learning Center (iSLC) conference*. San Diego, CA.

Ryherd, K., Baron, E., **Jasińska, K.,** Mencl, E., Landi, N. (2015, April). Neural Activation of Semantic Networks Contribute to Reading Comprehension Skill. Poster presented at the annual *Association for Psychological Science* meeting. New York, NY.

Jasińska, K., Parbhu, B., Shaw, K, Bortfeld, H & Pugh, K. (2015, March) Neural Representations for Spoken and Written Language during Emergent Literacy. Poster presented at the *Society for Research in Child Development* conference. Philadelphia, PA.

Jasińska, K., Molfese, P., Mencl, W.E., Pugh, K.R., Grigorenko, E. & Landi, N. (2014, April). The BDNF Val/Met Polymorphism Is Linked With Children’s Reading And Language Skills And Neural Activation Patterns In The Brain’s Reading Network. Poster presented at the annual *University of Connecticut Language Fest* conference. Storrs, CT.

Landi, N., Molfese, P., Kornilov, S., **Jasińska, K.,** Mencl, W.E., Pugh, K.R., & Grigorenko, E. (2014, April). Common but impactful genetic polymorphisms in COMT & BDNF are associated strongly with reading and related skills and associated patterns of neural activity. Poster presented at the annual *Cognitive Neuroscience Society* conference. Boston, MA.

Jasińska, K., Berens, M., Kovelman, I. & Petitto, L.A. (2014, April). Shedding new light on reading in Spanish-English and English-French bilingual school children: an fNIRS investigation. Poster presented at the annual *Cognitive Neuroscience Society* conference. Boston, MA.

Jasińska, K. Langdon, C., & Petitto, L.A. (2013, November). Does early exposure to a visual signed language “hurt” auditory language tissue development: Evidence from fNIRS neuroimaging of language processing in deaf individuals Cochlear Implants. Poster presented at the annual *Society for Neuroscience* conference. San Diego, CA.

Sharples, A.E., **Jasińska, K.** & Page-Gould, E. (2013, October). Anabolic reactivity during acute stress may facilitate recovery from catabolic processes. Poster presented at the annual *Society for Psychophysiological Research* conference. Florence, Italy.

- Jasińska, K.** & Petitto, L.A. (2013, April). Age of Bilingual Exposure Predicts Distinct Contributions of Phonological and Semantic Knowledge to Successful Reading Development. Poster presented at the biannual *Society for Research in Child Development* conference. Seattle, WA.
- Jasińska, K.** & Petitto, L.A. (2013, February). Role of Phonology and Semantics in Bilingual Reading Acquisition. Poster presented at the annual *National Science Foundation inter-Science of Learning Center (iSLC)* conference. Philadelphia, PA.
- Jasińska, K.** & Petitto, L.A. (2012, October). Temporal Dynamics of Bilingual Language Processing as a New Lens into Human Brain Lateralization: an fNIRS study. Poster presented at the annual *Society for Neuroscience* conference. New Orleans, LA.
- Jasińska, K.** & Petitto, L.A. (2012, April). Neural and Language Processing in the Monolingual and Bilingual Infant Brain: New Insights from fNIRS Neuroimaging. Poster presented at the annual *Southern Ontario Neuroscience Association* conference. Toronto, ON.
- Jasińska, K.** & Petitto, L.A. (2011, November). Dual language exposure in infancy can change neural and language processing in the developing brain: an fNIRS investigation. Poster presented at the annual *Society for Neuroscience* conference. Washington, DC.
- *Note: Presentation was selected for the Society for Neuroscience official Press Book.*
- Jasińska, K.**, Jowkar-Baniani, G., Ahmed, F., Forster, E., Bhasin-Laceman, S., Naimi, A., Petitto, L.A., and Dunbar, K.N. (2011, November). Simultaneous imaging of neural activations of women and men in real-time conversation using fNIRS. Poster presented at the annual *Society for Neuroscience* conference. Washington, DC.
- Jasińska, K.** & Petitto, L.A. (2011, April). Bilingual Reading Experience and the Developing Brain: Insights from fNIRS. Poster presented at the annual *University of Toronto Neuroscience Program Poster day*. Toronto, ON.
- Jasińska, K.**, Malkowski, M., & Petitto, L.A. (2011, April). How the Bilingual Reading Experience Can Change a Developing Brain: New Insights from fNIRS. Poster presented at the biannual *Society for Research in Child Development* conference. Montreal, QC.
- Jasińska, K.**, Malkowski, M., & Petitto, L.A. (2010, November). Neural Correlates of Syntactic Processing in Monolingual and Bilingual Children using event-related functional Near Infrared Spectroscopy (fNIRS) Imaging. Poster presented at the annual *Society for Neuroscience* conference. San Diego, CA.
- Skarakis-Doyle, E., Campbell, W., **Jasińska, K.**, Terry, A., Gillespie, S., Archibald, L., Theurer, J., & Schidowka, J. (2010, June). The cooperative principle and theory of mind children with language impairment. Poster presented at the annual *Symposium for Research in Child Language Disorders* conference. Madison, Wisconsin.
- Skarakis-Doyle, E., Campbell, W., Terry, A., **Jasińska, K.**, & Gillespie, S. (2008, June). The cooperative principle and theory of mind in preschool children: understanding others' intentions and beliefs. Poster presented at the annual *Symposium for Research in Child Language Disorders* conference. Madison, Wisconsin.

PEER-REVIEWED WORKSHOPS

- Jasińska, K.** (2013, February). How to apply principles of learning to scientific communication? Presented at the annual *National Science Foundation's inter-Science of Learning Center (iSLC) Conference*, Philadelphia, PA.

PANELS

- Invited Panelist, US National Science Foundation's inter Science of Learning Center (iSLC) Meeting (2015, May). University of California, San Diego. San Diego, CA.
- Invited Panelist, US National Science Foundation's Visual Language and Visual Learning Center (VL²) Scientific Advisory Board Meeting. (2013, March). Gallaudet University. Washington, DC.

Invited Participant, US National Science Foundation’s Visual Language and Visual Learning Center (VL²) Annual Site Visit (2012, June). Gallaudet University. Washington, DC.

MEDIA

The APA Observer “Lexicon in the Laboratory.” June, 2012. *The “Perceptual Wedge Hypothesis” as the basis for bilingual babies’ phonetic processing advantage: New insight from fNIRS brain imaging* (see Publications) recommended by Steven Pinker as one of six articles for researchers who want to read up on the latest in language science.

The Toronto Star “The brain: How children learn language.” June 1, 2010. Featured in story about early child language development.

TEACHING EXPERIENCE

Lecturer

<i>Neuroimaging Methods in Cognitive Neuroscience</i> , Columbia University	2016
<i>Statistics using R Software</i> , African Institute for Mathematical Sciences, Cameroon	2015
<i>Statistics using R Software</i> , African Institute for Mathematical Sciences, Senegal	2013

Seminar Instructor

<i>Beginner and Intermediate R</i> , University of Connecticut	2015
<i>Functional Near Infrared Spectroscopy (fNIRS): Advanced Statistical Approaches to Data Analysis</i> , Gallaudet University	2012-2013
<i>Function and Neurophysiological Measures Intensive Hands-on Seminar towards Certification of Functional Near Infrared Spectroscopy (fNIRS) Brain Imaging</i> University of Toronto and Gallaudet University	2010-2013

Laboratory Instructor

<i>Neuroscience: Anatomy and Physiology (NROB60)</i> , University of Toronto	2010-2012
<i>Service Learning “In-reach” Placement (CTLB03)</i> , University of Toronto	2012
<i>Supervising small group of students on developing additional teaching materials (e.g., video atlas) for neuroanatomy laboratory course</i>	
<i>Psychophysiology Laboratory (PSYC06)</i> , University of Toronto	2011

Student Training and Supervision

Research Assistant Coordinator, Haskins Laboratories	2014
Manage 10-12 research assistants. Oversee participant recruitment, data collection, data analysis (behavioral and neuroimaging), and manage MRI and NIRS use for multiple NIH funded projects	
Master’s thesis committee member for graduate student, Fidele Tubanambazi, African Institute for Mathematical Science, Senegal	2014
Training of graduate students and research assistants on fNIRS neuroimaging research methods and data collections, Haskins Laboratories	2014
Mentor of undergraduate statistics student, Song-Hoa Choi, in statistical analyses for functional neuroimaging, Gallaudet University	2013
Responsible for training and supervising undergraduate and graduate research assistants on behavioral, neuroimaging and psychophysiological research methods, and data analysis, University of Toronto and Gallaudet University	2009-2013
Student mentor for incoming graduate students, University of Western Ontario	2008-2009

Teaching Assistant

<i>Memory and Cognition (PSYB57)</i> , University of Toronto	2013
--	------

<i>Introduction to Psychology (PSYA02)</i> , University of Toronto	2013
<i>Drugs and the Brain (PSYC62)</i> , University of Toronto	2011-2013
<i>Developmental Psychobiology (PSYC23)</i> , University of Toronto	2011
<i>How the Child Discovers Language (PSYC25)</i> , University of Toronto	2010-2011
<i>Research Methods in Psychology (PSYB01)</i> , University of Toronto	2009
<i>Introduction to Physiological Psychology (PSYB64)</i> , University of Toronto	2009-2010
<i>Second Language Acquisition (LING2244)</i> , University of Western Ontario	2008-2009
<i>Introduction to Linguistics I & II (LING1027A/B)</i> , University of Western Ontario	2007-2009
<i>Language and Gender (LING2286)</i> , University of Western Ontario	2007

REVIEWING

Journals

Neurolinguistics
Applied Psycholinguistics
Journal of Neuroscience
Developmental Cognitive Neuroscience
Developmental Neuropsychology

Conference – Abstract Reviewing

NSF Science of Learning Center’s inter-Science of Learning Center (iSLC) Annual Meeting

Grant Reviewing

NSF Doctoral Dissertation Research Proposals
NSF Science of Learning Center’s Visual Language and Visual Learning Center
(Student Grant Review Committee)

COMMITTEE EXPERIENCE

Society for Functional Near Infrared Spectroscopy Communication Committee Member, Newsletter/Blog correspondent	2015-
Not Far From the Tree (Toronto-based not-for-profit organization) Statistician	2012
Canada Wide Science Fair Judge of Science Projects (Secondary School Level)	2011
Council of the University of Toronto Scarborough Psychology Department Representative of Research Associates, Postdoctoral Fellows, Teaching Assistants, and Graduate Students	2010-2013
Committee for iKIDS – Tri-lab Consortium of Developmental Science Assistant Graduate Student Member, University of Toronto	2009-2013
Western Interdisciplinary Symposium on Language Research Member of Conference Organizing Committee, University of Western Ontario	2008-2009

PROFESSIONAL AFFILIATIONS

Society for Neuroscience
Society for Research in Child Development
Cognitive Neuroscience Society
Women in Science at Yale
Society for Functional Near Infrared Spectroscopy
Organization for Human Brain Mapping
Human Development Intervention Network

SKILL SUMMARY**Statistics (Select)**

Structural Equation Modeling, Multilevel Linear Modeling, Recurrence Plot Analysis, Partial Least Squares, Functional Connectivity, Coherence and Cross-Correlation, Principal Components and Factor Analyses, Statistical Parametric Mapping, Multivariate and Univariate ANOVA and Regression

Programming

Matlab, R

Software

MATLAB (including Image and Signal Processing Toolboxes, and Neural Networks), R, SPSS, AFNI, SPM, FSL, Freesurfer, VBM8, EEGLab, E-Prime, Inquisit, Statistical Parametric Mapping for fNIRS, Nvivo8, CLAN

Training and Certification

fNIRS (functional Near Infrared Spectroscopy)

Training in study design, data collection, and data analysis (using NIRS-SPM, HomEr).

MRI (Magnetic Resonance Imaging Structural and Functional)

Training in study design, data collection, and data analysis (using AFNI, Freesurfer, FSL, SPM).

EEG/ERP

Training in study design, data collection, and data analysis (using BrainVision Analyzer, EEGLab).

Research Ethics and Safety Training: National Institutes of Health and Canadian Tri-Council Ethics Programs, Laboratory Biosafety (Level 1 Containment)

Additional Training: ECG (Electrocardiography), and Physiological Measurement (Cardiovascular Impedance, Blood Pressure, PPG (photoplethysmography), GSR (Galvanic Skin Response))

Languages

English, Polish (native proficiency), French, ASL (intermediate proficiency)

REFERENCES

Dr. Laura-Ann Petitto (PhD Supervisor)
Science Director, and Co-PI of the National Science Foundation, Science of Learning Center, Visual Language and Visual Learning, VL2
Professor, Department of Psychology, Gallaudet University
Affiliated Full Professor, Department of Psychology, Georgetown University
800 Florida Avenue, N.E.
Washington, DC 20002
Phone: (202) 448-7512
Email: Laura-Ann.Petitto@Gallaudet.edu
Web: <http://petitto.gallaudet.edu/~petitto/index/index.php>

Dr. Kenneth R. Pugh (Post-Doctoral Supervisor)
President and Director of Research, Senior Scientist
Haskins Laboratories, New Haven, CT
Professor, Dept. of Psychology, University of Connecticut, Storrs, CT
Associate Professor, Dept. of Linguistics, Yale University, New Haven, CT
Associate Professor, Dept. of Diagnostic Radiology, Yale University School of Medicine
Director, Yale Reading Center, New Haven, CT
Co-leader: Yale-Haskins Teagle Foundation Collegium on Student Learning
Phone: (203) 865-6163 x224
Email: pugh@haskins.yale.edu
Web: <http://www.haskins.yale.edu/staff/pugh.html>

Dr. Nicole Landi (Post-Doctoral Supervisor)
Assistant Professor, Department of Psychology
University of Connecticut, Storrs, CT
Senior Scientist & Director of EEG Research
Haskins Laboratories, New Haven, CT
Adjunct Assistant Professor, Yale Child Study Center
Yale University, New Haven, CT
Phone: (203) 865-6163 x278
Email: Nicole.landi@uconn.edu
Web: <http://psych.uconn.edu/faculty/landi.php>

Dr. Randy McIntosh (PhD Committee Member)
Full Professor, Department of Psychology, University of Toronto
Director, Rotman Research Institute, Baycrest Centre
Vice President, Research, Baycrest Centre
Email: rmcintosh@rotman-baycrest.on.ca
Phone: (416) 785-2500 x3522
Web: <http://research.baycrest.org/rmcintosh>

Dr. Peter Molfese
Director of MRI Operations, University of Connecticut
Email: peter.molfese@uconn.edu
Phone: (860) 486-4042 or (502) 414-1776

Prof. Elizabeth Page-Gould (PhD Laboratory Rotation Research Supervisor)
Assistant Professor, Department of Psychology, University of Toronto
Email: elizabeth.page-gould@utsc.utoronto.ca
Phone: (416) 208-2795
Web: <http://www.page-gould.com/>