

MEHRGOL TIV

Postdoctoral Researcher at US Census Bureau

Farsi (conversational), French (proficient), English (fluent)

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EDUCATION

- 2016 – 2021** Ph.D. in Experimental Psychology, McGill University
Supervisor (Titone), Thesis Committee (Otto, Hehman, Luk)
Interdisciplinary Program in Language Acquisition (LAP)
- 2012-2016** Bachelor of Philosophy in Psychology (Honors), University of Pittsburgh
Supervisor (Warren), Thesis Committee (Tokowicz, Dickey, Milburn, Titone)
B.A. in French, University of Pittsburgh
Minor in Neuroscience, University of Pittsburgh
Study abroad: Nantes, France (2014)
Phi Beta Kappa Junior Inductee & President
Summa Cum Laude

WORK EXPERIENCE

- 2021 - Present** Postdoctoral Researcher & Statistician, US Census Bureau
- Leveraging big data to quantify ecological dynamics of identity, such as race.
- 2021 - Present** Science Writer, Research-Policy Connections, Center for Research on Brain, Language, and Music.
- Translating peer-reviewed publications to highlight relevance to policy and community.
August 2021: [Music and Language Training](#)
September 2021: [Official and Family Language Policy in Quebec](#)
November 2021: [Sex Differences and Alzheimer's Risk](#)
December 2021: [Learning to Read, Autism Spectrum Disorder, and Hyperlexia](#)
- 2016 - 2021** Graduate Researcher, Department of Psychology, McGill University
- Examined social determinants of cognition and bilingualism using survey, behavioral, and eyetracking methods.
- Technical skills included R Programming, Data Visualization, Multilevel Modelling, Survey Design & Analysis, Network Analysis, Census Data Analysis, Demographic Methods, ArcGIS Mapping, Data Management, Data Cleaning, Git & Version Control.
- Communicated research in 7 peer-reviewed papers, 1 book chapter, 21 conference presentations, 4 class lectures, 1 news article, 2 podcasts
- Awarded 3 national & provincial research grants: \$8.5K, \$63K, \$84K
- Supervised 6 undergraduate research projects
- 2016 - 2021** Graduate Teaching Assistant, Department of Psychology, McGill University
- Prepared educational content and exams; taught weekly review sessions to students; evaluated assignments, exams, and papers; and managed a virtual classroom for seven undergraduate science courses (class size range 200 to 700 students).

PUBLICATIONS & PRESENTATIONS

PEER-REVIEWED

- Tiv, M.,** Kutlu, E., O'Regan, E., & Titone, D. (accepted). Bridging people and perspectives: General and language-specific social network structure predict mentalizing across diverse sociolinguistic contexts. *Canadian Journal of Experimental Psychology*.
- Titone, D. & Tiv, **M.** (in press). Rethinking multilingual experience through a Systems Framework of Bilingualism. Invited Keynote in *Bilingualism: Language and Cognition*.

- Tiv, M.,** Kutlu, E., Gullifer, J.G., Feng, R.Y., Doucerain, M.M., & Titone, D. (in press). Bridging Interpersonal and Ecological Dynamics of Cognition through a Systems Framework of Bilingualism. *Journal of Experimental Psychology: General*.
- Tiv, M.,** Livert, D., Dehrone, T., Godbole, M., López-Aybar, L., Sandanapitchai, P., Peterson, L., Ragin, D.F., & Walker, P. (2021). [Effective Applications of Psychological Science: Drawing Parallels between COVID-19 and Climate Change](#). *Journal of Science Policy and Governance*.
- Kutlu, E., **Tiv, M.,** Wulff, S., & Titone, D. (in press). [The impact of race on speech perception and accentedness judgments in racially diverse and non-diverse groups](#). *Applied Linguistics*.
- Tiv, M.,** O'Regan, E., & Titone, D. (2021). [In a bilingual state of mind: Investigating the continuous relationship between bilingual language experience and mentalizing](#). *Bilingualism: Language and Cognition*.
- Tiv, M.,** Deodato, F., Rouillard, V., Wiebe, S., & Titone, D. (2020). [Second language experience impacts first language irony processing among bilingual adults](#). *Canadian Journal of Experimental Psychology*.
- Tiv, M.,** Gullifer, J., Feng, R., & Titone, D. (2020). [Using Network Science to map what Montréal bilinguals talk about across languages and communicative contexts](#). *Journal of Neurolinguistics*.
- Tiv, M.,** Rouillard, V., Vingron, N., Wiebe, S., & Titone, D. (2019). [Global second language proficiency predicts self-perceptions of general sarcasm use among bilingual adults](#). *Journal of Language and Social Psychology*.
- Titone, D., Lovseth, K., Kasparian, K., & **Tiv, M.** (2019). [Are figurative interpretations of idioms directly retrieved, compositionally built, or both? Evidence from eye movement measures of reading](#). *Canadian Journal of Experimental Psychology*.
- Tiv, M.,** Gonnerman, L., Whitford, V., Friesen, D., Jared, D., & Titone, D., (2019). [Figuring out how verb-particle constructions are understood during L1 and L2 reading](#). *Frontiers in Psychology*.
- Titone, D., **Tiv, M.** & Pexman, P. (2018). [The status of women cognitive scientists in Canada: Insights from publicly available NSERC funding data](#). *Canadian Journal of Experimental Psychology*.
- Tiv, M.,** Milburn, E., & Warren, T. (2016). [Investigating the effects of transparency and ambiguity on idiom learning](#). *Proceedings of Cognitive Science Society Conference*.

UNDER REVIEW & IN PREP

- Tiv, M.,** O'Regan, E., & Titone, D. (under review). A holistic approach to irony comprehension: The role of discourse context, mentalizing, and ecological language diversity
- Feng, R.Y., **Tiv, M.,** Kutlu, E., Gullifer, J., Palma, P., O'Regan, E., Vingron, N., Doucerain, M., & Titone, D. (under review). The impact of individual differences and social networks on language attitudes in Montréal.

CHAPTERS

- Tiv, M.,** Kutlu, E. & Titone, D. (2021). [Bilingualism moves us beyond the ideal speaker narrative in Cognitive Psychology](#). In Francis., W. (Ed.) *Bilingualism Across the Lifespan: Opportunities and Challenges for Cognitive Research in a Global Society*.

REPORTS & EDITORIALS

- [AI for social good: How psychological researchers can contribute to the socially responsible development of artificial intelligence](#). Published in *Psychological Science Agenda* (2020)
- [NextGen VOICES: Benefits of Broad Interests](#), Published in *Science* (2018)
- [Breaking Gender Barriers in STEM - Whose responsibility is it?](#), Science Policy Exchange (2018)

CONFERENCE TALKS

- Tiv, M.** (2020). [Effective applications of Psychological Science: Drawing parallels between COVID-19 and climate change](#). Panel Organizer & Moderator for presentation at the Canadian Science Policy Conference. Virtual.
- Tiv, M.,** Gullifer, J., Feng, R., & Titone, D. (2020) [The talk of the town: A network approach to characterizing bilingual conversational topics in Montréal](#). Symposium talk presented at the annual meeting of the Psychonomic Society. Virtual.

- Tiv, M.,** Deodato, F., Rouillard, V., Wiebe, S., & Titone, D. (2018) *Isn't it ironic? First language reading of irony in bilingual adults*. Talk presented at the annual meeting of the Second Language Research Forum. Montreal, Quebec.
- *Tiv, M.,** Gonnerman, L., Whitford, V., Friesen, D., Jared, D., & Titone, D. (2017) *Using eye tracking to figure out how verb-particle constructions are understood during L1 and L2 reading*. Talk presented at the European Conference on Eye Movements. Bergische Universität Wuppertal, Germany.
- *Tiv, M.** (2016). *The Effects of Transparency and Ambiguity on Idiom Learning*. Talk presented at the annual Northeast Regional Honors Council Honors Conference. Boston, Massachusetts.

SELECT POSTERS

- Tiv, M.,** Kutlu, E., Gullifer, J., Feng, R.Y., Doucerain, M., & Titone, D. (2021). *Bridging personal and ecological language dynamics with Network Science*. Poster presented at the annual meeting of the Society for Personality and Social Psychology. Virtual.
- *Tiv, M.,** Kutlu, E., Gullifer, J., Feng, R. & Titone, D. (2020). *Bridging personal and ecological language dynamics using Network Science*. Poster presented at the annual meeting of the Psychonomic Society. Virtual. (Graduate research award)
- *Tiv, M. & Titone, D.** (2020). *How do bilinguals mentalize? Assessing mental state inferences during first vs. second language reading*. Poster presented at the Society for Personality and Social Psychology Convention. New Orleans, Louisiana.
- Tiv, M.,** Vingron, N., Deodato, F., Rouillard, V., Wiebe, S., & Titone, D. (2019). Linking bilingual language experience to the use and comprehension of irony. Poster presented at the annual meeting of the Psychonomic Society. Montreal, Quebec.
- Tiv, M.,** Gullifer, J., Otto, R., & Titone, D. (2018). *The Impact of Second Language Age of Acquisition and Language Usage Entropy on Reinforcement Learning among Bilingual Adults in a Non-Verbal Decision-Making Task*. Poster presented at the annual meeting of the Society for the Neurobiology of Language. Quebec City, Quebec.
- Tiv, M.,** Deodato, F., Rouillard, V., Wiebe, S., & Titone, D. (2018). *First Language Reading of Positive & Negative Irony in Bilingual Adults*. Poster presented at the annual meeting of the Society for Text and Discourse. Brighton, United Kingdom.
- Tiv, M.,** Deodato, F., Rouillard, V., Wiebe, S., & Titone, D. (2018). *Multilingual Understanding of Ironic vs. Literal Language*. Poster presented at the annual meeting of the International Conference on Applied Psychology. Montreal, Quebec.
- *Tiv, M.,** Rouillard, V., Vingron, N., Wiebe, S., & Titone, D. (2018). *Greater Bilingual Language Experience Predicts Greater Sarcasm Use in Daily Life*. Poster presented at the annual meeting of the International Conference on Language and Social Psychology. Edmonton, Alberta.

INVITED LECTURES & PRESENTATIONS

- 2020** Invited panel moderator, "Racial Bias and Use of Force in Policing" (McGill University)
- 2020** Invited guest lecturer in *Language and the Mind* (University of Pittsburgh)
- 2019** Invited speaker, "Engaging with Equity & Human Rights as a Graduate Student" (McGill University)
- 2019** Invited speaker at AAAS Science & Human Rights Coalition Conference (Washington DC)
- 2019** Invited panelist for Women in Cognitive Science panel at Cog Sci Conference (Montreal)
- 2018** Invited panelist for women in science event (McGill University)
- 2018** Invited guest lecturer in *Cognitive Science* (McGill University)
- 2018** Invited guest lecturer in *Cognition* (McGill University)
- 2017** Invited panelist at Women in Cognitive Science Canada annual meeting (Regina, SK)

AWARDS & HONORS

RESEARCH GRANTS

- 2019-20** NSERC CREATE Nonlinear Dynamics Graduate Trainee Stipend: Social Network Analysis (\$8.5k)
- 2018-22** Quebec Research Fund Society & Culture Doctoral Research Grant: Bilingual Pragmatics (\$84k)

2018-21 Quebec Research Fund Nature & Technology Doctoral Research Grant: Bilingual Pragmatics (\$63k; declined)

FELLOWSHIPS

- 2021 Science Policy Scholars-in-Residence, National Science Policy Network
Annual science policy bootcamp hosted by the National Science Policy Network
- 2016 Humanity in Action, Amsterdam
International minority rights fellowship focused on educating and promoting social justice research and outreach.
- 2016 Community Based Research Fellowship, University of Pittsburgh Honors College
Researched collaborative vs. competitive speech in single-sex classrooms at Pittsburgh's The Ellis School.
- 2015 Brackenridge Research Fellowship, University of Pittsburgh Honors College
Interdisciplinary research fellowship to fund honors thesis (two-time recipient)

AWARDS

- 2021 Nominated for Northeastern Association of Graduate Schools Dissertation Award
- 2020 Psychonomic Society Graduate Research Award
- 2019 AAAS Science and Human Rights Coalition Essay Competition Winner
- 2018 Michael Quek Teaching Assistant Award (Statistics), McGill University
- 2017 Graduate Research Enhancement and Travel Award, McGill University
- 2017 Women in Cognitive Science Canada (WiCSC) Invited Panelist, CSBBBCS
- 2015 Dr. John Knox Hall Jr. Scholarship, University of Pittsburgh Psychology
- 2014 Alliance Française Nationality Room Study Abroad Scholarship, U. of Pittsburgh

INTERNSHIPS & SPECIAL PROJECTS

- 2020 Society for the Psychological Study of Social Issues United Nations NGO, Intern
- 2018 [AI for Social Good Lab Hackathon](#) (OSMO, McGill, MILA)
- 2018 Arctic Council Simulation through Science Diplomacy (Science & Policy Exchange)
- 2015 Corpus Linguistics Intern at Madarka (remote internship, based out of Portland, OR)

TEACHING & MENTORSHIP

INSTRUCTOR

- 2020 Intro to Statistics in R for Language Scientists: 5 credit course for doctoral students at the Norwegian Science & Technology University. I developed all [materials](#) & taught all lessons virtually due to coronavirus.
- 2018 Data Visualization in R: one day workshop for graduate students at McGill University. I developed all [materials](#).

TEACHING ASSISTANT

- 2020 Social Psychology, McGill University: *M. Baldwin*
- 2019 Neuroscience of Social Psychology, McGill University: *M.D. Graham*
- 2018 Cognition, McGill University: *N. Latif*
- 2018 Psychology of Bilingualism, McGill University: *D. Titone*
- 2017, 18 Human Cognition & The Brain, McGill University: *M. Petrides*
- 2017 Introduction to Statistics, McGill University: *M. Darainy*
- 2016 Introduction to Psychology, McGill University: *P. Kostopoulos*
- 2015, 16 Introduction to Psychology, University of Pittsburgh: *N. Tokowicz & J. Cousins*
- 2014 Brain and Behavior, University of Pittsburgh: *E. Kirschmann*

MENTORSHIP

- 2020-21 Selva Ashgharizadeh, McGill Psychology Undergraduate Thesis
- 2019 Meredith Rowe, McGill Psychology Undergraduate Thesis
- 2019-20 Ruo Feng, McGill ARIA Research Fellowship
- 2018-19 Elisabeth O'Regan, Research Assistant

2018 Shelby Trepid, McGill Psychology Undergraduate Thesis (co-supervised)
2018 Paloma Hepler, NSERC Social Equity Undergraduate Research & Cog Sci Thesis
2017-18 Fiona Deodato, McGill Psychology Undergraduate Honors Thesis

QUANTITATIVE TRAINING & METHODS

TRAINING

2019 Ego-network R Workshop (at Sunbelt Social Network Analysis Conference) – R. Vacca
2018 Introduction to Social Network Analysis Workshop – M. Doucerain
2018 Introduction to Corpus Linguistics Workshop – S. Wulff
2017 Spring Training in Experimental Psycholinguistics (STEP@CCP), University of Alberta
2016 ERP Mini-Bootcamp, University of Ottawa – S. Luck

SELECT COURSES

2020 Multilevel Modelling in R (Psychology) – J.Flake
2018 Advanced Statistics 2 (Psychology) – C.Falk
2016 Quantitative Methods for Linguistic Data (Linguistics) – M.Sonderegger, F. Torreira

METHODS

Programming: R (tidyverse, mark), Python, Inquisit, Git, SAS (Programming 1 Certificate)
Analysis: Multilevel Regression Modelling, Network/Social Network Analysis, Census demography analysis, PCA, EFA, natural language processing
Data Visualization: ggplot2, ArcGIS maps
Survey platforms: Qualtrics, SurveyMonkey
Behavioral software: E-Prime, Experiment Builder, Inquisit, Open Sesame
Eye Tracking: EyeLink eye-tracker & SR Research software (Experiment Builder, Data Viewer)
Brain Mapping: DSI Studio, ITK-Snap
Website Management: Web Management System (WMS), Squarespace, HTML

COMMUNITY ENGAGEMENT

CURRENTLY ACTIVE

National Science Policy Network, SciPol Scholars-in-Residence
Will engage in NSPN's science policy bootcamp and science policy residency in 2021.

American Association for the Advancement of Science, Science & Human Rights Coalition,
Student Section Co-Founder
Initiated student section in AAAS SHRC to support and connect students working at the intersection of science and human rights.

Society for the Psychological Study of Social Issues United Nations NGO, Intern
Spearheading & engaging with multiple reports linking psychological research with human rights and the Sustainable Development Goals, including climate, health, and racial equity. Member of Anti-Racism Campaign at the United Nations.

PAST INVOLVEMENT

Gender & Sexual Violence Policy | Co-initiated student-based group within the Graduate Equity & Diversity Committee to write and develop thorough & survivor-centric anti-sexual violence policy for graduate students at McGill University.

McGill Joint-Board Senate on Equity, Racialized & Ethnic Persons Subcommittee | Engaged with social justice event planning & on-campus advocacy.

McGill Post-Graduate Student Society Equity & Diversity Committee | Created & distribute graduate department equity climate survey, organized solidarity event for Women of Color, advocated for McGill mascot change

Equity & Diversity Commissioner | Initiated psychology grad association board position related to equity

Cognitive Research At McGill (CRAM) Creator | Started McGill Psychology's weekly interdisciplinary talk series.

500 Women Scientists Montreal Pod Co-Leader | Organized community events aimed to empower women scientists.

Psychology Grad Student Association Committee Member | Organized social/professional development events.
Science Policy Exchange Volunteer | Co-authored report on overcoming barriers for women in science.
Canadian Science Policy Center Editorial Volunteer | Elicited expert opinions for science policy newsletter.
Equity in STEMM Working Group Member | Advocated for Faculty of Science student-faculty equity committee.
Women in Cognitive Science-Canada Social Media Team | Circulated science advocacy articles via Facebook.
STEM Stars Educational Volunteer | Mentored girls interested in STEM fields through Carnegie Science Center.
CitizenCity Community Builder | Brainstormed for emerging collaborative-space NGO for Pittsburgh citizens.

SCIENCE COMMUNICATION

COSSA Advocacy Day | Will advise federal lawmakers on Capitol Hill on social scientific research (2021).
CBC Radio Science Column | Shared new research about bilingualism in Montreal (2020).
McGill Tribune Interview | Communicated research findings about bilinguals in Montreal (2020).
McGill Newsroom Press Release | Translated research findings from bilingual network science paper (2020).
CBC News Technology & Science Article | Interviewed for expert opinion on COVID-19 language and empathy (2020).
Boston City Council Hearing on COVID-19 Language Access | Provided expert opinion on health inequities among language minority speakers during COVID-19 pandemic (2020).
AAAS Science & Human Rights Coalition Video | [Video interview](#) on addressing urgent needs in science/human rights (2019).
Grad Students & Where to Find Them Podcast | Discussed research interests and implications in student-run podcast (2019).

COMMUNITY PROGRAMMING

United Nations, ECOSOC Youth Forum side event
“Recalibrating & Rethinking Sustainable Future: The Importance of Health, Wellbeing & Empathy” (2021)
AAAS Science & Human Rights Coalition, annual conference event
“Introduction to the AAAS Science & Human Rights Coalition’s Student Section” (2020)
McGill University, Graduate Equity & Diversity Committee event
“Equity Talks: A Conversation Hour on Finding Belonging” (2018)
McGill University, Department of Psychology event
“Art Night” (2018)

PROFESSIONAL AFFILIATIONS

National Science Policy Network (NSPN)
AAAS Science & Human Rights Coalition
Society for the Psychological Study of Social Issues (SPSSI)
Society for Personality and Social Psychology (SPSP)
Consortium of Social Science Associations (COSSA)
Psychonomic Society
Graduate Association of Students in Psychology (GASP) McGill University
Center for Research on Brain, Language, and Music (CRBLM), McGill University
Language and Multilingualism Lab, McGill University
Humanity in Action Senior Fellow Network