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Academic appointment

2020 – present	Assistant Teaching Professor, Department of Psychology University of Notre Dame
	Concurrent Faculty, First Year of Studies (2021-2023)
	Academic Advisor, Neuroscience and Behavior (Bachelor of Arts)
Education	
2015-2020	Doctor of Philosophy (Psychology), University of Toronto
	Thesis: Dynamics of auditory reflective attention in speech-in-noise
	perception
	Advisor: Prof. Claude Alain
2014-2015	Master of Arts (Psychology), University of Toronto
	Thesis: Auditory Perception and Executive Functions in Simultaneous
	Interpreters
	Advisor: Prof. Claude Alain
2010-2014	Bachelor of Science (Major Neuroscience), McGill University
	Minor Supplementary East Asian Language (Japanese)

Teaching-related experience

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Jan 2023 – May 2023	Faculty Partner, Inclusive Pedagogy Partnership, University of Notre
	Dame
	Participated in Phase 3 pilot of program to facilitate inclusive teaching at
	the university
June 2022, June 2023	Course Instructor, Summer Scholars Pre-College, University of Notre
	Dame
	Designed and taught 2-week summer experiential learning in cognitive neuroscience.
1 2010 1 2020	
Jan 2019 – Apr 2020	Course Instructor, Department of Psychology, University of Toronto
	Course: Cognitive Neuroscience, Winter 2019 and Winter 2020.
July 2019 – Dec 2019	Instructional Resource Designer, Department of Psychology,
	University of Toronto
	Consultant for design of writing assignments to develop critical reading
	skills.
Sep 2014 – June 2020	Teaching Assistant, Department of Psychology, University of Toronto
1	Courses: Introduction to Psychology, Statistics I, Learning & Plasticity,
	Physiological Psychology, Music Cognition.
Mar 2015 – Feb 2017	Advanced University Teaching Preparation Certificate Program
100 2010 100 2017	Teaching Assistant Training Program, University of Toronto
	reaching Assistant frammig riogram, University of rotollio

Publications

- Branco, R.C. & Chan, T.M.V. Cross-course harmonized assignments for neuroscience. Journal of Undergraduate Neuroscience Education, 21(2), A85-A90. <u>https://doi.org/10.59390/BOTF3129</u>
 * both authors contributed equally
- Saarikivi, K., Chan, T.M.V., Huotilainen, M., Tervaniemi, M., & Putkinen, V. (2023). Enhanced neural mechanisms of set shifting in musically trained adolescents and young adults: converging fMRI, EEG, and behavioral evidence. *Cerebral Cortex,* bhad034. <u>https://doi.org/10.1093/cercor/bhad034</u>
- Chan, T.M.V., Buchsbaum, B. R., & Alain, C. (2022). Effects of temporal order and intentionality on reflective attention to words in noise. *Psychological Research*, 86(2), 544-557. <u>https://doi.org/10.1007/s00426-021-01494-6</u>
- Putkinen, V., Saarikivi, K., Chan, T.M.V., & Tervaniemi, M. (2021). Faster maturation of selective attention in musically trained children and adolescents: converging behavioral and ERP evidence. *European Journal of Neuroscience*, 54(1), 4246-4257. <u>https://doi.org/10.1111/ejn.15262</u>
- Satanove, D.J., Rahman, S., Chan, T.M.V., Ren, S., & Clarke, P.B.S. (2021). Nicotineinduced enhancement of a sensory reinforcer in adult rats: antagonist pretreatment effects. *Psychopharmacology*, 238, 475–486. <u>https://doi.org/10.1007/s00213-020-05696-</u> <u>5</u>
- Chan, T.M.V., & Alain, C. (2020). Brain indices associated with semantic cues prior to and after a word in noise. *Brain Research*, 1751, 147206. https://doi.org/10.1016/j.brainres.2020.147206
- Chan, T.M.V., & Alain, C. (2019). Listening back in time: Does attention to memory facilitate word in noise identification? *Attention, Perception, & Psychophysics, 81*(1), 253-269. <u>https://doi.org/10.3758/s13414-018-1586-8</u>
- Alain, C., Cusimano, M., Garami, L., Backer, K., Habelt, B., Chan, V., & Hasher, L. (2018). Age-related differences in orienting attention to sound object representations. *Neurobiology of Aging*, 66, 1-11. <u>https://doi.org/10.1016/j.neurobiolaging.2018.01.026</u>

Publications in progress

1. Bongiovanni, N.R., **Chan, T.M.V.,** Van Hedger, S.C., Findley, C., & Hoeckner, B. (revise and resubmit). Pitch height and mode have asymmetrical effects on the perception of mixed emotions in music. <u>https://osf.io/preprints/psyarxiv/jmq3w/</u>

Invited book chapters

1. **Chan, T.M.V.**, & Alain, C. (2020). Theories of cognitive aging: A look at potential benefits of music training on the aging brain. In L. Cuddy, S. Belleville, & A. Moussard (Eds.) *Music and the Aging Brain*. Elsevier.

Teaching resources

1. Wood, S., & Chan, V. (2020). Sequential assignments to critically evaluate psychological journal articles. *Society for the Teaching of Psychology website*. <u>https://teachpsych.org/resources/Documents/otrp/resources/wood20.pdf</u>

Conference presentations

- 1. Chan, T.M.V., & Michael, N. (2023) Leveraging neuroscience communication skills for the community. Neuroscience Teaching Conference, Winston-Salem, USA.
- 2. Chan, T.M.V., & Branco, R. C. (2022). Implementation and assessment of cross-course harmonized assignments. Neuroscience Teaching Conference, Winston-Salem, USA.
- Alain, C., & Chan, T.M.V. (2018). Orienting attention to speech representation improves word in noise identification. Society for Psychophysiological Research Annual Meeting, Quebec City, Canada.

Conference posters

- 1. **Chan, T.M.V.** (2019, June). Reawakening desire: student-centered educational practice as fostering humanity. Society of Catholic Scientists Annual Meeting, Notre Dame, USA.
- Chan, T.M.V., & Alain, C. (2018, November). Neural indices of auditory reflective attention in word-in-noise identification. Society for Neuroscience Annual Meeting, San Diego, USA.
- 3. Chan, T.M.V., Saarikivi, K., Tervaniemi, M., & Putkinen, V. (2017, June). Cortical mechanisms of auditory change detection in musically trained and untrained adolescents. Neurosciences and Music VI Music, Sound and Health, Boston, USA.
- 4. **Chan, T.M.V.**, & Alain, C. (2017, April). Listening back in time: Does attention to memory facilitate word in noise identification? Erasmus Mundus Auditory Cognitive Neuroscience Symposium, Leipzig, Germany.
- 5. Chan, V.T.M., & Alain, C. (2016, March). Auditory perception and executive functions in simultaneous interpreters: re-examining the music-language relationship. Cognitive Neuroscience Society Annual Meeting, New York, USA.
- 6. Chan, V.T.M., & Alain, C. (2015, October). Auditory perception and executive functions in simultaneous interpreters. BRAMS: The next ten years symposium, Montreal, Canada.

Research experience

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Sep 2014 – Jul 2020	Graduate Researcher, Rotman Research Institute, Baycrest, Canada
	Supervisor: Prof. Claude Alain. Independently conducted line of
	research, regularly assisted with lab maintenance and troubleshooting of
	experimental code (Presentation, MATLAB) and EEG equipment
	(Biosemi ActiveTwo).
May 2016 – Dec 2016	Visiting Graduate Student, Cognitive Brain Research Unit, University
	of Helsinki, Finland
	Supervisor: Prof. Mari Tervaniemi. Assisted with data collection and
	preliminary analyses on ongoing longitudinal project.

May 2012 – May 2014 **Undergraduate Researcher**, Neuropsychopharmacology Lab, McGill University, Canada Supervisor: Prof. Paul Clarke. Independent Research Project conducted Fall 2013.

Funded Grants

2024 - 2026	RSP – Regular Grant, Notre Dame Research, Co-PI (PI: Berthold
	Hoeckner), "The Bittersweet Spot: How Musical Emotions Affect the
	Understanding of Life Events" (\$100,000 USD)
2023	Instructional Resource Grant, Society for the Teaching of Psychology, PI,
	"Psychology for the Public: A Project to Foster Good Science
	Communication" (\$1500 USD)

Awards and Honors

External	
2016	Erasmus Mundus Auditory Cognitive Neuroscience Mobility Fellowship
2015 - 2016	NSERC Canada Graduate Scholarship – Master's
2013	NSERC Undergraduate Student Research Award
2012	FRSQ Undergraduate Student Research Award
Internal	
2017	School of Graduate Studies Conference Grant, University of Toronto
2017	Faculty of Arts & Science Graduate Student Conference Travel Grant,
	University of Toronto
2010 - 2013	McGill University J.W. McConnell Scholarship

Mentorship

Committee membership Rachelle Pichot (Cognition, Brain and Behavior)

Senior thesis and capstone projects

Claire Mahoney (2023, Glynn Family Honors / Compassionate Care in Medicine) – *Musical Healing: Exploration of Music Therapy among Healthcare Professionals* Kaela Reisch (2023, Sustainability) – *Irish eating green: student sentiment and motivations towards sustainable dining at the University of Notre Dame*

Professional and community service

At the University of Notre Dame	
Jan 2023 – present	Co-chair, Neuroscience and Behavior Curriculum Sub-committee,
	University of Notre Dame
Spring 2023	Search Committee Member, Psychology Teaching Faculty Search,
	University of Notre Dame

Faculty Mentor, Building Bridges Mentorship Program, University of
Notre Dame
Faculty Advisor, Mending Minds, University of Notre Dame
Planning Committee, Young Singles Community for Faculty and Staff,
University of Notre Dame
Committee Member, Neuroscience and Behavior Steering Committee,
University of Notre Dame
Search Committee Member, Neuroscience and Behavior Hiring Search,
University of Notre Dame

Outside the University of Notre Dame

Nov – April 2023,	Mentor, University of Toronto Psychology Mentorship Program
Jan – April 2022	
Jul 2018 – Aug 2019	Academic Rounds Coordinator, Rotman Research Institute, Baycrest

Professional activities and community engagement

At the University of Notre Dame	
Sept 2022 - May 2023	Participant, 2022-2023 SEED Seminar series, University of Notre Dame
	Invited to yearlong discussion series on issues of equity and inclusion in
	higher education and at Notre Dame
January 2022	Invited Presenter, Mending Minds, University of Notre Dame
	Presentation: Music and its use in rehabilitation
September 2021	Contributing Presenter, Provost's Learning Lightning Talks, University
	of Notre Dame
	Presentation: Implementing a one-time grace period policy
Apr 2021 – May 2021	Workshop Participant, Civic Hope workshop series, University of
	Notre Dame
	Conversation series around dialogue between the arts and sciences in the
	community
October 2020	Invited Presenter, Mending Minds, University of Notre Dame
	Presentation: Music and its relationships with memory

Outside the University of Notre Dame

December 2021	Panelist, Psychology Graduate Teaching Network Job Session,
	University of Toronto
	Presentation and Q&A on teaching faculty job market and experience
March 2021	Presenter, Crush Imposter Syndrome Initiative, University of Toronto
	Presentation: Experience of imposter syndrome and strategies for
	mitigation
August 2020	Panelist, U of T Psych Jobs Group
	Panel on post-PhD trajectory, entering the academic job market
Apr 2018 – Feb 2020	NeuroBRITE Mentor & Coordinator, Rotman Research Institute,
	Baycrest

	Designing curriculum for high school neuroscience outreach
2018-2020	Volunteer, Let's Talk Science, University of Toronto
	Classroom visits to elementary schools with science kits
February 2019	Workshop Presenter, Rotman Research Institute, Baycrest
	Topic: Introduction to Electroencephalograpy (EEG)
May 2018	Lecturer, Brain & Cognition Lecture Series, Rotman Research Institute,
	Baycrest
	Topic: Music & Speech Cognition
March 2018	Scientific Communication Officer, Rotman Research Institute, Baycrest
	Lay abstract translation and live-tweet of the annual RRI Conference
2015-2018	Logistics Coordinator, University of Toronto Science Rendezvous

Ad hoc reviewer

Attention, Perception, and Psychophysics PLOS ONE

Professional membership

Faculty for Undergraduate Neuroscience Society for Teaching of Psychology (APA Div. 2) Society for Neuroscience Society for Catholic Scientists