

# Hiu Mei (Doris) Chow, PhD

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## Education

PhD (Developmental and Brain Sciences) The University of Massachusetts, Boston, USA (Dept. Psychology)	2018
Master of Philosophy (Cognitive Psychology) The University of Hong Kong, Hong Kong (Dept. Psychology)	2013
Bachelor of Social Sciences (Psychology) The University of Hong Kong, Hong Kong (Dept. Psychology)	2010

## Academic Appointments & Research Experience

Assistant Professor, St. Thomas University, Fredericton, New Brunswick, Canada (Dept. Psychology)	2022 – present
Postdoctoral Research Fellow, The University of British Columbia, Vancouver, Canada (Dept. Ophthalmology and Visual Sciences)	2018 – 2022
PhD Student, The University of Massachusetts, Boston, USA (Dept. Psychology)	2013 – 2018
Research Intern, NTT Communication Science Laboratories, Japan	2013
Master's Student, The University of Hong Kong, Hong Kong (Dept. Psychology)	2011 – 2013
Research Assistant, The University of Hong Kong, Hong Kong (Dept. Psychology)	2010 – 2011
Undergraduate Honours Thesis Student, The University of Hong Kong, Hong Kong (Dept. Psychology)	2009 – 2010

## Fellowships & Awards

Postdoctoral Fellowship (CAD 45000 p.a.) Canadian Institutes of Health Research Competitive Tri-Council award to support my post-doctoral research entitled “Eye movements as a sensitive indicator of motion perception in healthy older adults and patients with ophthalmic diseases”	2020 – 2023
Research Trainee Award (CAD 41500 p.a.) or Top-Up (CAD 7000 p.a.) Michael Smith Foundation for Health Research Competitive university-external award to support my post-doctoral research entitled “Studying motion processing with eye movements in healthy older adults and patients with ophthalmic diseases”	2019 – 2022
FoVea Networking Travel Award (USD 1500) Vision Science Society Competitive university-external award to support conference attendance in 2020/21 in recognition of my potential as a female vision scientist	2020

<b>Student Travel Award (USD 1000)</b> <b>University of Massachusetts Boston Office of Global Programs</b> Competitive university-internal travel/conference award to present my dissertation work at the International Multidisciplinary Spring School “Rethinking the Senses” in Dubrovnik, Croatia	2017
<b>Craig R. Bollinger Memorial Research Grant (USD 1500)</b> <b>University of Massachusetts Boston Graduate Student Assembly</b> Competitive university-internal award to support my research titled “Finding the sweet-spot for multisensory integration during infancy”	2016
<b>Invited Speaker Travel Award (JPY 160,000, ~USD 1500)</b> <b>10th Asia-Pacific Conference on Vision</b> Conference travel award to support the presentation of my research at the Asia Pacific Conference on Vision held in Takamatsu, Japan	2014
<b>Student Travel Award (USD 800)</b> <b>University of Massachusetts Boston Office of International and Transnational Affairs</b> Competitive university-internal award to support travel to present my work at the International Congress on Infant Studies in Berlin, Germany	2014
<b>Joseph P. Healey Research Grant Program (USD 7500)</b> <b>University of Massachusetts Boston</b> Competitive university-internal research grant to support my research titled “How does attention make a sound louder: Using behavioral and neuronal imaging tools to reveal mechanisms of auditory selective attention”	2014 – 2015
<b>Entrance Fellowship (USD 2000)</b> <b>University of Massachusetts Boston</b> Competitive university-internal fellowship recognizing excellent academic performance, in addition to the regular postgraduate scholarship	2013
<b>University Postgraduate Fellowship (HK\$70000, ~USD 9000)</b> <b>University of Hong Kong, Hong Kong (Declined)</b> Competitive university-internal fellowship recognizing excellent academic performance, in addition to the regular postgraduate scholarship	2013 – 2014
<b>Student Travel Award (JPY 50000, ~ USD 450)</b> <b>12<sup>th</sup> International Multisensory Research Forum</b> Conference travel award recognizing my work as one of the ten best student papers selected by the abstract review committee	2011
<b>Dean’s Honours List</b> <b>University of Hong Kong, Hong Kong</b> In recognition of outstanding academic achievement (top 10%) in the year	2009 – 2010
<b>HKUWW Scholarship (HKD 6000, ~ USD 750)</b> <b>University of Hong Kong, Hong Kong</b> Competitive university-internal award to support travel/living for a term of academic exchange at Seoul National University, Seoul, South Korea	2009
<b>HKU Foundation Entrance Scholarship (HKD 6000, ~ USD 750)</b> <b>University of Hong Kong, Hong Kong</b> In recognition of outstanding academic achievement (Early Admission Scheme)	2007 – 2008

## Research Interests

General Areas: Multisensory Perception, Life-span Development, Eye Movements

Current Topics (selected)

- Eye movements as a sensitive indicator of multisensory and visual motion processing
- The role of eye movements on perception and prediction
- The influence of life-span changes on perception and eye movements

Techniques: Behavioral Psychophysics, Eye-Tracking, EEG (steady-state evoked potentials)

## Publications

16 publications (7 first-authored; 9 co-authored; \* indicates mentees, # indicates co-first author)

- Hart et al., (2022). Neuromatch Academy: a 3-week, online summer school in computational neuroscience. *Journal of Open Source Education*, 5(49), 118, <https://doi.org/10.21105/jose.00118>
- Tseng, C.H., **Chow, H.M.**, Liang, J., Shiori, S., & Chen, C.C. (2021) Collinear search impairment is luminance contrast invariant. *Scientific Reports*, 11, article 11507.
- Chow, H.M.**, Harris, D.\*, Eid, S.\*, & Ciaramitaro, V.M. (2021) The feeling of 'baba'? Comparing developmental changes in sound-shape correspondence for audio-visual and audio-tactile stimuli. *Journal of Experimental Child Psychology*, 209, 105167 (online ahead of print)
- Chow, H.M.**, Knöll, J., Madsen, M.\*, & Spering, M. (2021). Look where you go: characterizing eye movements towards optic flow. *Journal of Vision*, 21(3), article 19.
- Chow, H.M.**, Leviyah, X.\*, & Ciaramitaro, V.M. (2020). Individual differences in multisensory interactions: The influence of temporal phase coherence and auditory salience on visual contrast sensitivity. *Vision*, 4(1), 12.
- Chow, H.M.**, & Ciaramitaro, V.M. (2019). What makes a shape 'baba'? The shape features prioritized in sound-shape correspondence change with development. *Journal of Experimental Child Psychology*, 179, 73-89.
- Ho, H-N., **Chow, H.M.**, Tsunokake, S., & Roseboom, W. (2019). A sensory processing hierarchy for thermal touch: Thermal adaptation occurs prior to thermal-tactile integration. *IEEE Transactions on Haptics*, 12(4), 594-603.
- Deng, X., Cheng, C., **Chow, H.M.**, & Ding, X. (2019). Prefer feeding bad? Subcultural differences in emotional preferences between Han Chinese and Mongolian Chinese. *International Journal of Psychology*, 54(3), 333-341.
- Spering, M., & **Chow, H.M.** (2018). Rapid assessment of natural visual motion integration across primate species (commentary). *Proceedings of National Academy of Sciences USA*, 115(4), 11112-11114.
- Tseng, C.H., **Chow, H.M.**, Ma, Y.K.\*, & Jie, D. (2018). Preverbal infants utilize cross-modal semantic congruency in artificial grammar acquisition. *Scientific Reports*, 8, 12707.
- Ciaramitaro, V.M., **Chow, H.M.**, & Eglinton, L. (2017). Crossmodal attention influences auditory contrast sensitivity: Decreasing visual load improves auditory thresholds for amplitude and frequency modulated sounds. *Journal of Vision*, 17(3), article 20.
- Chow, H.M.**, Jingling, L. Tseng, C.H. (2016). Eye of origin guides attention away: An ocular singleton column impairs visual search like a collinear column. *Journal of Vision*, 16, 12.
- Tsui, A.S.M., Ma, Y.K.\*, Ho, S.Y., **Chow, H.M.**, & Tseng, C.H. (2016). Bimodal emotion congruency is critical to preverbal infants' abstract rule learning. *Developmental Science*, 19(3), 382-393.
- Chow, H.M.**, & Tseng, C.H. (2015). Invisible collinear structures impair search. *Consciousness & Cognition*, 31, 46-59.
- Chow, H.M.**, Jingling, L. & Tseng, C.H. (2013). Collinear integration affects visual search at V1. *Journal of Vision*, 13(10), article 24.

Tseng, C.H., **Chow, H.M.**, & Spillmann, L. (2013). Falling skyscrapers: When cross-modality perception of verticality fails. *Psychological Science*, 24(7), 1341-1347.

### In Progress (available upon request)

Tseng, C.H.<sup>#</sup>, **Chow, H.M.**<sup>#</sup>, Spillmann, L., Oxner, M., & Sakurai, K. (under review). Body pitch together with translational motion biases subjective haptic vertical. *Multisensory Research*.

**Chow, H.M.**<sup>#</sup>, Briggs, D.<sup>#\*</sup>, & Ciaramitaro, V.M. (under revision). Individual differences in multisensory interactions: The influence of temporal phase coherence and visual salience on auditory contrast sensitivity. *Multisensory Research*.

**Chow, H.M.**, Hong, N.<sup>\*</sup>, & Spering, M. (in prep.). Eye movements during optic flow perception. *Vision Research*.

## Presentations & Contributed Presentations

6 conference talks; 18 conference poster presentations; 12 community presentations

(\* indicates mentees, # indicates co-presenters, <sup>P</sup> indicates peer-reviewed presentations)

### Conference Talks <sup>P</sup>

**Chow, H.M.**, Spillmann, L., Oxner, M., Sakurai, K., & Tseng, C.H. (2021). A large body pitch combined with translational motion induces a deviation of subjective haptic vertical in a natural environment. *Vestibular-Oriented Research Virtual Meeting* (Lightning virtual talk)

**Chow, H.M.**, & Ciaramitaro, V.M. (2018). How does a sound look and feel? Comparing the development of audio-visual and audio-tactile sound-shape correspondence. *14<sup>th</sup> Asia-Pacific Conference on Vision*, Hangzhou, China (Symposium talk)

**Chow, H.M.**, Tsui, A.S.M., Ma, Y.K., Yat, M.Y., & Tseng, C.H. (2014). Infant cross-modal rule learning. *2014 Asia Pacific Conference on Vision*, Japan (Symposium talk)

**Chow, H.M.**, Oxner, M., Zhong, C.<sup>\*</sup>, Spillmann, L., & Tseng, C.H. (2012). Vision and body posture jointly contribute to a new real-life illusion of building tilt on the Hong Kong Peak Tram. *The 16th Conference on Attention and Perception: Perceptual Organization and Grouping*, Taiwan (Platform talk)

**Chow, H.M.**, Chiu, P.-H., Tseng, C.H., & Spillmann, L. (2011). A multi-sensory illusion: Hong Kong Peak Tram Illusion (II) – Subjective vertical. *i-Perception*, 2(8), 892 (Platform talk)

**Chow, H.M.**, Tsui, G., & Tseng, C.H. (2011). Preverbal infants use object features and motion cues in social learning. *i-Perception*, 2(4), 233. (Platform talk)

### Conference Poster Presentations <sup>P</sup>

**Chow, H.M.**, & Spering, M. (2022). The influence of eye movements on optic flow perception. *Annual Meeting of Vision Science Society*, St Pete's Beach, U.S.A.

Kreyenmeier, P.<sup>\*</sup>, Bhuiyan, I.<sup>\*</sup>, **Chow, H.M.**, & Spering, M. (accepted as a talk). Fast smooth pursuit inhibition reveals mechanisms of multisensory integration. *Annual Meeting of Vision Science Society*, St Pete's Beach, U.S.A.

**Chow, H.M.**, Spillmann, L., Oxner, M., Sakurai, K., & Tseng, C.H. (2021). A large body pitch combined with translational motion induces a deviation of subjective haptic vertical in a natural environment. *Vestibular-Oriented Research Virtual Meeting* (virtual)

**Chow, H.M.**, Knöll, J., Madsen, M.<sup>\*</sup>, & Spering, M. (2020). Look where you go: Humans intuitively track heading direction changes with their eyes. *Journal of Vision*, 20, 443. (virtual)

**Chow, H.M.**, Morina, E.<sup>\*</sup>, & Ciaramitaro, V.M. (withdrawn). Does a relevant sound enhance the neural representation of a visual object? *OPAM (Object Perception, visual Attention, and visual Memory) Conference*, Montreal, Canada

**Chow, H.M.**, & Spering, M. (2019). Perceptual and oculomotor sensitivity to the focus of expansion of optic flow. *2019 Gordon Research Conference on Eye Movements*, Maine, USA (non-peer-reviewed)

**Chow, H.M.**, & Spering, M. (2019). Perceptual and oculomotor sensitivity to the focus of expansion of optic flow. *2019 Gordon Research Seminar on Eye Movements*, Maine, USA (non-peer-reviewed)

**Chow, H.M.**, & Ciaramitaro, V.M. (2018). Endogenous attention enhances neuronal signature of audio-visual sound-shape correspondence. *International Multisensory Research Forum*, Toronto, Canada

Ciaramitaro, V.M., **Chow, H.M.**, & Silva, N.<sup>\*</sup> (2018). Musical expertise weakens the cost of dividing attention between vision and audition. *International Multisensory Research Forum*, Toronto, Canada

**Chow, H.M.**, & Ciaramitaro, V.M. (2018). Musical expertise modulates the cost of crossmodal divided attention between vision and audition in behavior but not in tonic pupil dilation. *Journal of Vision*, 18, 486.

**Chow, H.M.**, Leonardo, B.<sup>\*</sup>, Sabov, A.<sup>\*</sup>, & Ciaramitaro, V.M. (2018). Is a round shape integrated with a /bouba/ sound? Enhanced neuronal signals

- at the intermodulation frequencies of congruent audio-visual stimuli. *25<sup>th</sup> Annual meeting of Cognitive Neuroscience Society*, Boston, USA
- Chow, H.M.**, & Ciaramitaro, V.M. (2017). What makes a shape /baba/ to a child versus an adult? Changing contributions from shape contour, protrusion number, and protrusion size in sound-shape correspondence. *International Multisensory Research Forum*, Nashville, USA
- Briggs, D.M.\*, **Chow, H.M.**, & Ciaramitaro, V.M. (2017). The interdependence of visual salience and audiovisual synchrony on auditory contrast detection. *International Multisensory Research Forum*, Nashville, USA
- Leonardo, B.\*, **Chow, H.M.**, & Ciaramitaro, V.M. (2017). Do global or local features make an abstract shape appear more /Bouba/? *International Multisensory Research Forum*, Nashville, USA
- Ciaramitaro, V.M., **Chow, H.M.**, & Eglinton, L.G. (2017). Crossmodal attention alters contrast sensitivity for amplitude and frequency modulated sounds via a mechanism of contrast gain. *International Multisensory Research Forum*, Nashville, USA
- Chow, H.M.**, Harris, D.A.\*, Eid, S.\*, & Ciaramitaro, V.M. (2016). Early experience alters the developmental trajectory of visual, auditory and tactile sound-shape correspondences. *Journal of Vision*, 16, 1193.
- Guillory, S.B.#, **Chow, H.M.**#, & Ciaramitaro, V.M. (2016). Matching a shape with a sound: Does sound-shape correspondence modulate a neuronal signature of visual shape processing? *23<sup>rd</sup> Annual Meeting of Cognitive Neuroscience Society*, New York, USA
- Tseng, C.H., **Chow, H.M.**, & Jingling, L. (2015). Eye-of-origin guides attention away: Search disadvantage by ocular singletons. *38<sup>th</sup> European Conference on Visual Perception*, Liverpool.
- Yeung, Y.S.\*, **Chow, H.M.**, & Tseng, C.H. (2015). Information of ocular origin impairs target discrimination during visual search. *2015 Asia-Pacific Conference on Vision*, Singapore.
- Chow, H.M.**, & Ciaramitaro, V.M. (2015). Salience affects crossmodal interactions (II): Are visual and auditory salience equally effective at switching crossmodal interactions from beneficial to detrimental? *International Multisensory Research Forum*, Pisa, Italy.
- Ciaramitaro, V.M., & **Chow, H.M.** (2015). Salience affects crossmodal interactions (I): Auditory salience switches crossmodal interactions from beneficial to detrimental. *International Multisensory Research Forum*, Pisa, Italy.
- Ciaramitaro, V.M., **Chow, H.M.**, & Williams, A. (2015). In-phase is not always best: Auditory salience reverses crossmodal influences on visual detectability. *Journal of Vision*, 15, 717.
- Tseng, C.H., **Chow, H.M.**, Tsui, A.S.M., Ma, Y.K., & Yat, D. (2014). Cross-modal integration limits preverbal infant abstract rule learning. *37<sup>th</sup> European Conference on Visual Perception*, Belgrade, Serbia.
- Yeung, Y.S.\*, Lee, M.\*, **Chow, H.M.**, Tseng, C.H. (2014). Does ocular origin of stimuli always help you find a target? It depends!. *2014 Asia Pacific Conference on Vision*, Japan.
- Lee, M.\*, Yeung, Y.S.\*, **Chow, H.M.**, Tseng, C.H. (2014). Eye of origin information does not always facilitate target search. *2014 Asia Pacific Conference on Vision*, Japan.
- Tseng, C.H., **Chow, H.M.**, Oxner, M., & Spillmann, L. (2014). Tilted body or tilted world? A field study of verticality misperception on a moving mountain tram. *Asia Pacific Conference on Vision*, Japan
- Chow, H.M.**, Ciaramitaro, V.M., & Dobkins, K.R. (2014). A salient auditory stimulus improves visual contrast sensitivity but does not improve detection speed in 3- and 6-month-olds. *International Conference on Infant Studies*, Berlin, Germany.
- Chow, H.M.**, & Ciaramitaro, V.M. (2014). What you hear is what you see: Non-spatial visual information can hinder auditory detectability early in development. *Journal of Vision*, 14, 431.
- Tseng, C.H., & **Chow, H.M.** (2014). Onset target escapes the background perceptual grouping. *Journal of Vision*, 14, 343.
- Ciaramitaro, V.C., **Chow, H.M.**, & Boynton, G. (2014). Within- and cross-modal attention modulate unattended visual information as revealed by the strength of visual motion aftereffects across visual contrast. *Annual Meeting of Cognitive Neuroscience Society*, Boston, USA
- Tseng, C.H. & **Chow, H.M.** (2013). Invisible collinear integration impairs visual search. *Asia Pacific Conference on Vision*, Suzhou, China.
- Chow, H.M.**, & Tseng, C.H. (2013). Collinear contour integration impairs visual search before binocular fusion. *Journal of Vision*, 13(9), 1245.
- Tseng, C.H., Ma, Y.K., & **Chow, H.M.** (2013). Bimodal Affective Stimuli Do Not Always Enhance Infant's Rule Learning: Congruency and relevance also matter. *Journal of Vision*, 13(9), 738.
- Chow, H.M.**, Chen, S.J.C.\*, Tsui, G., Chiu, P.H., & Tseng, C.H. (2012). 10-month-old infants prefer comforters, not helpers. *The 34<sup>th</sup> Annual Meeting of the Cognitive Science Society*, Sapporo, Japan
- Ma, Y.K.\*, **Chow, H.M.**, Yeung, J.\*, Ho, A.W.Y., & Tseng, C.H. (2012). Social elements are not a must for preverbal infants' learning in an interactive event. *The 34<sup>th</sup> Annual Meeting of the Cognitive Science Society*, Japan.
- Oxner, M., **Chow, H.M.**, Zhong, C.\*, Spillmann, L., & Tseng, C.H. (2012). Unraveling the Hong Kong Peak Tram Illusion. *Journal of Vision*, 12(9), 577.
- Chow, H.M.**, Chiu, P-H., Tseng, C.H., & Spillmann, L. (2011). A multi-sensory illusion: Hong Kong Peak Tram Illusion (II) – Subjective vertical. *i-Perception*, 2(8), 892
- Chan, W.S.\*, **Chow, H.M.**, Tan, W.J.\*, Park, C.J.\*, & Tseng, C.H. (2011). The effects of emotional target and mood state of participants on attentional blink. *i-Perception*, 2(4), 327.
- Tsui, G., **Chow, H.M.**, & Tseng, C.H. (2011). Noise Exclusion Ability in Infants. *i-Perception*, 2(4), 316.
- Chiu, P.H., **Chow, H.M.**, Tseng, C.H., & Spillmann, L. (2011). The Hong Kong Peak Tram Illusion. *i-Perception*, 2(4), 295.
- Tsui, G.H.T., **Chow, D.H.M.**, & Tseng, C.H. (2011). Quick CSF in preverbal infants with forced-choice preferential looking paradigm. *Journal of Vision*, 11(11), article 415.
- Chow, D.H.M.**, Tsui, G.H.T., & Tseng, C.H. (2011). Six- to 12-month-old infants use emotional response, agent identity, and motion cues in associated learning of social events. *Journal of Vision*, 11(11), article 423.
- Chow, H.M.**, & Tseng, C.H. (2010). Effects of emotion on attentional blink. *Vision: the Journal of the Vision Society of Japan*, 22, 76.

## University Presentations

- Chow, H.M.** (2022 April). “Multisensory development” Talk at UBC Visual Cognition Group, Vancouver, BC, Canada (invited by Dr. Miriam Spering, virtual)
- Chow, H.M.**, Kreyenmeier, P. \*, Bhuiyan, I. \*, & Spering, M. (2021 April). “Fast smooth pursuit orienting as a window into multisensory integration in the human brain?” Talk at Annual Research Day of UBC Department of Ophthalmology and Visual Sciences, Vancouver, BC, Canada (virtual)
- Chow, H.M.** (2019 December). “Eyes as a window to global motion perception: A validation of an oculomotor tracking task to assess motion sensitivity in depth” Lightning talk at UBC Postdoc Research Day, Vancouver, BC, Canada (peer-reviewed)
- Chow, H.M.** (2019 October). “When and how visual processing is affected by a sound” Talk at UBC Vision Lab, Vancouver, BC, Canada (invited by Dr. James Enns)
- Chow, H.M.** (2019 May). “Does a /kiki/ sound look and feel spiky? The development of audio-visual and audio-tactile sound-shape correspondence” Talk at UBC Language Science Research Day, Vancouver, BC, Canada (peer-reviewed)
- Madsen, M. \*, **Chow, H.M.**, & Spering, M. (2019 April). Using eye tracking to quickly assess motion perception in humans. Talk at Annual Research Day of UBC Department of Ophthalmology and Visual Sciences, Vancouver, BC, Canada
- Chow, H.M.** (2019 March). “Using eye movements to probe optic flow processing” Talk at UBC Visual Cognition Group, Vancouver, BC, Canada (invited by Dr. Miriam Spering)
- Chow, H.M.** (2018 October). “Selective neural enhancement by sound-shape crossmodal correspondences?” Talk at UBC Visuomotor Performance and Ocular Mobility Lab, Vancouver, BC, Canada (invited by Dr. Miriam Spering)
- Chow, H.M.** (2017 July). “An examination of the interaction of attention and crossmodal correspondences with developmental and neurophysiological approaches” Talk at UMB Department of Psychology (dissertation defense)
- Ciaramitaro, V.M. #, & **Chow, H.M.** # (2015 April). Research and education in parallel: Scientific outreach through on-site experiments at the Museum of Science Boston Living Laboratory. Presentation at UMB Office of Community Partnerships Posters, Paper 233.
- Chow, H.M.** (2013 July). “Why a snake-like structure hurts visual search?” Talk at HKU Department of Psychology, Hong Kong
- Chow, H.M.** (2013 July). “Adapting thermal referral illusion: Physical, Perceptual or both?” Talk at NTT Atsugi Communication Science Laboratories, Kanagawa, Japan
- Chow, H.M.** (2013 February). “The Effect of Perceptual Grouping on Visual Search – an investigation with binocular display and continuous flash suppression paradigm” Talk at NTT Atsugi Communication Science Laboratories, Kanagawa, Japan (invited by Dr. Hsin-Ni Ho)

## Community Presentations

- Spering, M. #, Wu, X. #, Bhuiyan, I. #, & **Chow, H.M.** # (2021 May). “Vision & Psychophysics” Outreach talk for high school students at Research Exploration Opportunity, STEM Fellowship, BC, Canada (virtual)
- Chow, H.M.** (2021 April). “Sensing, Moving, and the Human Brain” Outreach talk for Grade 4/5 students at George Bonner Elementary School, BC, Canada (virtual)
- Chow, H.M.** (2020 August). “Making Sense of our Senses” Outreach talk for children and families at ‘Meet a Scientist’, Science World, Vancouver, BC, Canada (virtual)
- Chow, H.M.** (2020 June). “Making Sense of our Senses” Outreach talk for Grade 1/2 students at Georges Vanier Elementary, BC, Canada (virtual)
- Chow, H.M.** (2020 June). “Making Sense of our Senses” Outreach talk for children and families at ‘Meet a Scientist’, Science World, Vancouver, BC, Canada (virtual)
- Chow, H.M.** #, Madsen, M. #, & Kinjo, H. # (2018 October). “The Importance of Vision” Outreach talk for seniors at Tapestry Arbutus Walk, Vancouver, BC, Canada.
- Spering, M. #, **Chow, H.M.** #, Madsen, M. #, & Kinjo, H. # (2018 September). “The Importance of Vision” Outreach talk for seniors at Tapestry Westbrook Village, Vancouver, BC, Canada
- Chow, H.M.** (2016 November). “When aging is stealing your senses away: Why, How and Ways to stop” Outreach talk for seniors at UMB Osher Lifelong Learning Institute, Boston, MA, USA
- Chow, H.M.** (2016 March-April). “Understanding how your senses work” Outreach course (5 talks) for seniors at UMB Osher Lifelong Learning Institute, Boston, MA, USA
- Chow, H.M.** (2015 November). “When aging is stealing your senses away: Why, How and Ways to stop” Outreach talk for seniors at UMB Osher Lifelong Learning Institute, Boston, MA, USA
- Chow, H.M.** (2015 March-April). “Understanding the world with different senses” Outreach course (5 talks) for seniors at UMB Osher Lifelong Learning Institute, Boston, MA, USA
- Chow, H.M.** (2015 March). “Consciousness and the Brain” Outreach talk for high school students, Boston, MA, USA

## Teaching Experience & Training

### The University of British Columbia, Canada

<b>Instructor of Record</b> , Seminar in Cognitive Systems (undergraduate)	2021 – 2022
<b>Guest Lecturer</b> , Graduate Seminar in Neuroscience (team-taught, graduate)	2020, 2021
<b>Guest Lecturer</b> , Seminar in Cognitive Systems (undergraduate)	2019
<b>Participant</b> , CTLT educator training workshops including: Development your skills as a Peer Reviewer of Teaching	2019
Postdoc Teaching Internship	2019
Instructional Skill Workshop	2018
Others: Creating and Sharing Instructional Videos, Virtual Facilitation 101: Fostering Connection and Building Space, Open Education Resources	2019 – 2020

### The University of Massachusetts Boston, USA

<b>Instructor of Record</b> , Sensation & Perception (undergraduate)	2016 – 2017
<b>Guest Lecturer</b> , Introduction to Behavioral Research (undergraduate)	2016
<b>Guest Lecturer</b> , Cognitive Development (undergraduate)	2014
<b>Teaching Assistant</b> , Experimental Methods: Physiological (undergraduate)	2018
<b>Teaching Assistant</b> , Experimental Methods: Social (undergraduate)	2018
<b>Teaching Assistant</b> , Statistics (undergraduate)	2014 – 2015
<b>Teaching Assistant</b> , Learning & Memory (undergraduate)	2013
<b>Participant</b> , educator training workshops including: Psychology Graduate Teaching Seminar	2016
Others: Internationalizing your teaching, Teaching linguistically diverse learners: Approaches and methods	2016 – 2018

### The University of Hong Kong, Hong Kong

<b>Teaching Assistant</b> , Introduction to Psychology	2012
<b>Teaching Assistant</b> , Cognitive Psychology	2012
<b>Participant</b> , Certificate of Teaching and Learning in Higher Education	2011

## Mentoring & Advising

### The University of British Columbia, Canada

**Mentoring of Research Students in the Lab** 2018 – present

Graduate Students: Philipp Kreyenmeier (2020 – present)

Undergraduate Students: Nicole Hong (2022 Spring – present); Mathew Gian (2021 Fall – present); Lochlan Walsh (2021 Summer), Ishmam Bhuiyan (2021 Spring); Jane Kim (2020 Spring), Matthew Madsen (2019 – 2020)

#### Other Mentoring Activities

**Mentor**, Graduate Program of Neuroscience. Supporting 3 graduate students in Neuroscience in navigating graduate school and career exploration 2021 – present

**Mentor**, Undergraduate Research Office. Supported 4 undergraduate students in Undergraduate Research Experience 2019 – 2020

**Mentorship Program Proposal Applicant**, Program of Undergraduate Research Experience grant competition entitled “Cross-laboratory synergies for undergraduate research training in vision” 2019

**Discussion Facilitator**, Faculty of Medicine Responsible Conduct of Research Workshop for Graduate Students 2019, 2020

### The University of Massachusetts Boston, USA

**Mentoring of Research Students in the Lab** 2013 – 2018

Undergraduate Honors Students:

Neuba Silva (2017 – 2018), Danielle Briggs (2016 – 2017)

Additionally supervised 26 undergraduate research assistants 2013 – 2018

#### Other Mentoring Activities

**Outreach Coordinator**, Psychology Connections Committee. Organized two large departmental events promoting awareness and access to information related to research and graduate school in undergraduate students from diverse backgrounds 2014 – 2015

**Mentor**, Psychology Connections Committee. Reviewed graduate school application materials and discussed career development with 2 undergraduate students from diverse backgrounds per term 2013 – 2016

**Graduate Advisor**, Psychology Department. Provided academic advising and performed proctoring services to support undergraduate students 2014 – 2015



## Professional Service & Development

### Ad Hoc Reviewing - Journals

Reviewer, Vision Research, eLife, Scientific Reports 2020 – present

### Science Writing for the Public

Editor & Contributor, [Brainiac](#) (science communication blog of UBC D'Javad Mowafaghian Center for Brain Health) 2020 – 2021

### Science Outreach at Science Centers and Festivals

Educator, 'Meet a Scientist' at Science World, Vancouver, BC, Canada (in-person, then virtual) 2019 – 2020

Organizer, 'The Science of the Mind, Brain & Behavior', at UBC [Science Rendezvous 2020](#) (cancelled due to COVID-19 pandemic) 2020

Volunteer, Program Evaluation at UBC Science Rendezvous 2019 2019

Organizer & Educator, [Living Laboratory](#)®, Museum of Science, Boston, MA 2014 – 2018

Educator, [High School Health Fair](#), Museum of Science Boston, MA 2017, 2018

Educator, 'What do babies think?' Science Carnival at [Cambridge Science Festival](#), Cambridge, MA, USA 2017, 2018

Organizer, Educator, Lab Tour for high school students visiting UMB Baby Lab during Brain Awareness Week 2016

### Committees and Service Positions

Vice President Operations, [UBC Postdoctoral Association](#) 2021 – 2022

EDI Subcommittee Member, UBC Postdoctoral Association 2020 – 2022

Executive Member, UBC Postdoctoral Association 2020 – 2021

Lab Representative, Local Safety Team Committee, UBC DMCBH 2020 – 2021

Caption Editor and Translator, [Neuromatch Academy](#) 2020

Abstract Reviewer, UBC [Multidisciplinary Undergraduate Research Conference](#) 2019, 2020

Co-chair, UMB Developmental and Brain Sciences Brownbag 2016 – 2017

Co-chair, UMB Psychology Connections Committee 2014 – 2015

### Training related to Equity, Diversity, and Inclusion (EDI)

Participant, Incorporating reconciliation, equity, diversity and inclusion in your project, Mitacs 2022

Participant, Anti-Racist Teaching Series: Identity Matters, Connecting Power, Privilege and Bias to Anti-Racism Work, UBC CTLT 2021

Participant, Framing Conversations with Students in Distress, UBC CTLT 2019

### Training related to Leadership and Management

Participant, Project Management Summer Institute, UBC PDFO 2021

Participant, Essentials of Productive Teams, Mitacs 2021

Participant, Discovering the Entrepreneur within, Mitacs 2020

## References

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