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School of Communication Sciences and Disorders, Faculty of Medicine, McGill University

Center for Research on Brain, Language, and Music (CRBLM)

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EDUCATION

McGill University (McGill)	Montreal, Canada
Ph.D., Communication Sciences and Disorders (Language Acquisition)	present
Supervisor: Prof. Linda Polka	
Beijing Normal University (BNU)	Beijing, China
M. Sc., Fundamental Psychology	06/2017
Thesis Title: Rhythm and Melody: the Spectral and Temporal Characteristics of Chinese Newborn's Crying.	
Supervisors: Profs. Shu, Hua & Liu, Youyi	
Dalian University of Technology (DUT)	Liaoning, China
B. A., Chinese Language and Literature	07/2014
Thesis Title: The Phonological Development of Mandarin-Speaking Preschoolers.	
Thesis Advisor: Prof. Xu, Jin	
Chang-Jun High School	Hunan, China
	07/2010

PROFESSIONAL EXPERIENCE

Center for Pre-Speech Development and Developmental Disorders (ZVES), Universitätsklinikum Würzburg	Würzburg, Germany
	10/2015-01/2016
Position: Visiting Scholar, Supervisor: Prof. Dr. rer. nat. Kathleen Wernke	

SELECTED SCHOLARSHIPS & HONORS

CRBLM Graduate Travel Award, McGill	2018, 2020
Drs. Annalee & Mark Abelson Travel Fund in Medicine, McGill	2018, 2019
China Scholarship Council-McGill Joint Fellowship (168.4k CAD)	2017-2021
McGill Graduate Excellence Fellowship (10k CAD)	2017
DAAD* Short-term Scholarships for Master's Degree Students (3.1k EUR)	2015
(*German Academic Exchange Service)	
Scholarship for Outstanding Students, BNU	2014, 2015, 2016
Outstanding Graduation Design or Thesis, DUT (1/35)	2014
Humanities and Social Science Elite Scholarship, DUT	2012
Scholarship for Outstanding Students, DUT	2011, 2012, 2013
Outstanding Volunteer Award, DUT	2011

JOURNAL ARTICLES

- Ruan, Y.**, Georgiou, G. K., Song, S., Li, Y., & Shu, H. (2018). Does writing system influence the associations between phonological awareness, morphological awareness, and reading? A meta-analysis. *Journal of Educational Psychology*, 110(2), 180-202. <https://doi.org/10.1037/edu0000216>
- Wernke, K., **Ruan, Y.**, Feng, Y., Dobnig, D., Stephan, S., Wernke, P., ..., Shu, H. (2017). Fundamental Frequency Variation in Crying of Mandarin and German Neonates. *Journal of Voice*. 31(2), 255.e25-255.e30. <https://doi.org/10.1016/j.jvoice.2016.06.009>

BOOK CHAPTERS

- Polka, L., **Ruan, Y.**, & Masapollo, M. (2019). Understanding vowel perception biases – it's time to take a meta-analytic approach. In A. M. Nyvad, M. Hejna, A. Hojen, A. B. Jespersen, & M. Hjortshøj (Eds.). *A Sound Approach to Language Matters – In Honor of Ocke-Schwen Bohn* (pp. 561–582). <https://doi.org/10.7146/aui.322.218> [PEER-REVIEWED]
- Xing, A., **Ruan, Y.**, Su, M., & Song, S. (2016). 阅读障碍的应对——小学低年级阅读困难儿童的个案研究 [An Case Study of Reading Difficulty in Elementary School]. In H. Zhang, W. Li, & H. Shu (Eds.), *儿童阅读的世界 [The World of Children's Reading]* (Vol. 3, pp. 229-254). Beijing: Beijing Normal University Publishing Group. [IN CHINESE]

PAPERS IN PROGRESS

- Ruan, Y.**, Orena, A. J., & Polka, L. (in preparation). The Relation of Language Input and Infant Volubility in French-English Bilingual Families. *Developmental Science*.
- Ruan, Y.**, Orena, A. J., & Polka, L. (in preparation). Does Parental Language Mixing Restrain Infant Volubility? Negative Evidence from Montreal Bilingual Families. *Bilingualism: Language and Cognition*.
- Polka, L. & **Ruan, Y.** (in preparation, editor invited). The Ins and Outs of Baby Talk. *Acoustics Today*.
- Ruan, Y.**, Ma, X., Wu, H., Liu, Y., Zhang, L., & Shu, H. (in preparation). Pitch Categorical Perception of Absolute Pitch Musician: An ERP study. *The Journal of the Acoustical Society of America*.

CONFERENCE TALKS

- Ruan, Y.**, Georgiou, G., Song, S., Li, Y., Shu, H. (2016). Does writing system influence the association between phonological awareness, morphological awareness, and reading? A meta-analysis. *The 23rd annual conference for the Society for the Scientific Study of Reading (SSSR)*, Porto, Portugal, 13-16/07/2016
- Ruan, Y.**, Ma, X., Wu, H., Liu, Y., Zhang, L., Shu, H. (2015). An ERP study on Pitch Categorical Perception of Absolute Pitch Musician, *The 1th Linguistic Psychology Conference of Chinese Psychological Society*, Beijing, China, 26-29/06/2015

CONFERENCE PROCEEDINGS

- Ruan, Y.**, Orena, A. J., Xu, K., & Polka, L. (2020). Language input and infant volubility in French-English bilingual infants. *179th Meeting of the Acoustic Society of America*, virtual, 7-11/12/2020.
- Xu, K., Orena, A. J., **Ruan, Y.**, & Polka, L., (2020). Developmental changes and effects of parental interaction on French-English bilingual infants' vocalization rates. *179th Meeting of the Acoustic Society of America*, virtual, 7-11/12/2020.
- Xu, K., Orena, A. J., **Ruan, Y.**, & Polka, L. (2019). The effects of parental interaction on French-English bilingual infants' vocalization and turn-taking rates. *The Journal of the Acoustical Society of America*, 145(3), 1765-1765. <https://doi.org/10.1121/1.5101466>

CONFERENCE POSTERS

- Ruan, Y.**, Orena, A. J., Polka, L., & Xu, K. (2020). The effects of language and social contexts on bilingual infant vocalization. *International Congress of Infant Studies*, virtual, 06-09/07/2020.
- Ruan, Y.**, Wermke, K., Shu, H., Liu, Y. (2018). Melody and Rhythm: the Spectral and Temporal Properties of Chinese Newborn Cry, *The 3rd Summer School of Infant Studies on Language Development in Europe*, Potsdam, Germany, 11-15/06/2018.

JOURNAL REFEREE

Applied Psycholinguistics (since 2018), Journal of Experimental Child Psychology (since 2019), Scientific Studies of Reading (since 2020), Child Development (student co-reviewer, since 2020)

TEACHING EXPERIENCE

Teaching Assistant, Statistics for Experimental Design, McGill (2019 Winter, Dr. Carl F. Falk)

Teaching Assistant, Statistics for Experimental Design, McGill (2018 Fall, Ms. Rhonda N. Amsel)

Teaching Assistant, Experiment Design and Data Analysis (graduate-level), BNU (2016, Dr. Liu, Youyi)

CLINICAL EXPERIENCE

Speech Therapist Intern, Department of Rehabilitation Medicine, The Second Xiangya Hospital, Central South University, Hunan, China (06/2013 - 07/2013, Mentor: Wang, Rumi)

LEADERSHIP & MEMBERSHIP

Chapter Leader, Institute of Gender and Health (IGH) McGill Chapter, The Canadian Institutes of Health Research (CIHR)

Student Membership, Chinese Psychology Society

Student Membership, Chinese International Speech-Language and Hearing Association

SCIENCE COMMUNICATIONS

Ruan, Y. (2019). 名家拓展 [Preface]. In: Taro Miura. “牙牙学语”系列: 咿—咿— 呀—呀— (Lin, Jing, Trans.). Guangxi: Guangxi Normal University Press. [IN CHINESE]

Ruan, Y., Silva, M. M. (Guest). (2019, April 8). Baby Cries, Neutron Stars and Being an International Student. In M. Mauchand (Host, in collaboration with PGSS, McGill), *Grad Scientists and Where to Find Them*. Montreal. <https://feed.podbean.com/gswft/feed.xml>

SUMMER SCHOOLS

The 3rd Summer School of Infant Studies on Language Development in Europe, Potsdam, Germany

The 11th China Linguistics Summer Institute (CLSI11), Beijing, China

The 10th China Linguistics Summer Institute (CLSI10), Shanghai, China

LANGUAGE PROFICIENCY (*under Common European Framework of Reference for Languages)

Mandarin Chinese (native speaker), Wu Chinese (native speaker), Xiang Chinese (native speaker), English (proficient user*, IELTS 7.5), German (independent user*), French (independent user*).

MENTORSHIP

Katherine Xu (undergraduate)