

CURRICULUM VITAE

Charles C.-F. OR

PERSONAL INFORMATION

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EDUCATION

Doctor of Philosophy (Ph.D.) in Psychology, York University (Canada), 2011
Supervisor: Prof. Hugh R. Wilson

Master of Philosophy (M.Phil.) in Psychology, The University of Hong Kong, 2005
Supervisor: Prof. Anthony Hayes

Bachelor of Cognitive Science (B.Cog.Sc.), The University of Hong Kong, 2003

ACADEMIC POSITIONS

Assistant Professor, Division of Psychology, School of Social Sciences, Nanyang Technological University, 11/2016-present

Postdoctoral Researcher, Face Categorization Laboratory, Psychological Sciences Research Institute & Institute of Neuroscience, Catholic University of Louvain, 5/2014-11/2016 (Supervisor: Prof. Bruno Rossion)

Postdoctoral fellow, Vision and Image Understanding Laboratory, Department of Psychological and Brain Sciences, University of California, Santa Barbara, 2/2012-3/2014 (Supervisor: Prof. Miguel P. Eckstein)

Research Assistant, Neurodynamics and Vision Laboratory, Centre for Vision Research, York University, 2/2008-12/2011 (Supervisor: Prof. Hugh R. Wilson)

Research Assistant, Human and Computer Vision Laboratory, Centre for Vision Research, York University, 9/2005-1/2008 (Supervisor: Prof. James H. Elder)

Research Assistant, Vision Laboratory, Department of Psychology, The University of Hong Kong, 9/2003-8/2005 (Supervisor: Prof. Anthony Hayes)

Research Assistant, Department of Philosophy, The University of Hong Kong, 9/2002-4/2003 (Supervisor: Prof. Joe Lau)

RESEARCH GRANTS, HONOURS AND AWARDS

Start-Up Grant, College of Humanities, Arts, & Social Sciences, Nanyang Technological University, 2017-2020, S\$100,000

Postdoctoral Researcher Fellowship (Chargé de recherches), National Fund for Scientific Research (F.R.S.-FNRS, Belgium), 2014-2016, Operating Fund: €15,000

RESEARCH INTERESTS

Visual perception and visual neuroscience, in particular, face perception, motion perception, form and shape perception, object recognition, and natural vision.

Cognitive neuroscience and systems neuroscience, in particular, memory, emotion, behaviour, and cultural diversity.

Development of tools for brain sciences, in particular, psychophysics, eye-movement monitoring, computational modelling, electroencephalography (EEG).

PROFESSIONAL CONTRIBUTIONS

Publications

Journal Articles (Refereed)

Wilkinson, F., Haque, Y., **Or, C. C.-F.**, Gottlieb, A. S., & Wilson, H. R. (2016). Detection of periodic motion trajectories: Effects of frequency and radius. *Journal of Vision*, 16(7):10, 1–15. doi:10.1167/16.7.10

Or, C. C.-F., Peterson, M. F., & Eckstein, M. P. (2015). Initial eye movements during face identification are optimal and similar across cultures. *Journal of Vision*, 15(13):12, 1–25. doi:10.1167/15.13.12

Or, C. C.-F., & Wilson, H. R. (2013). Implicit face prototype learning from geometric information. *Vision Research*, 82, 1–12. doi:10.1016/j.visres.2013.02.002

Daar, M., **Or, C. C.-F.**, & Wilson, H. R. (2012). Increment thresholds for radial frequency trajectories produce a dipper function. *Vision Research*, 73, 46–52. doi:10.1016/j.visres.2012.09.010

- Or, C. C.-F.**, & Elder, J. H. (2011). Oriented texture detection: Ideal observer modelling and classification image analysis. *Journal of Vision*, *11*(8):16, 1–20. doi:10.1167/11.8.16
- Or, C. C.-F.**, Thabet, M., Wilkinson, F., & Wilson, H. R. (2011). Discrimination and identification of periodic motion trajectories. *Journal of Vision*, *11*(8):7, 1–11. doi:10.1167/11.8.7
- Or, C. C.-F.**, & Wilson, H. R. (2010). Face recognition: Are viewpoint and identity processed after face detection? *Vision Research*, *50*(16), 1581–1589. doi:10.1016/j.visres.2010.05.016
- Or, C. C.-F.**, Khuu, S. K., & Hayes, A. (2010). Moving Glass patterns: Asymmetric interaction between motion and form. *Perception*, *39*(4), 447–463. doi:10.1068/p5917
- Or, C. C.-F.**, Khuu, S. K., & Hayes, A. (2007). The role of luminance contrast in the detection of global structure in static and dynamic, same- and opposite-polarity, Glass patterns. *Vision Research*, *47*(2), 253–259. doi:10.1016/j.visres.2006.10.010

Abstracts in Published Conference Proceedings (Refereed)

- Or, C. C.-F.**, Liu-Shuang, J., & Rossion, B. (2016). Spatiotemporal dynamics of view-sensitive and view-invariant face identity processing. *Perception*, *45*(S2), 26–27. doi:10.1177/0301006616671273
- Or, C. C.-F.**, Retter, T. L., & Rossion, B. (2016). Automatic contribution of colour information to face categorization from briefly presented natural images. *Journal of Vision*, *16*(12), 1238. doi:10.1167/16.12.1238
- Or, C. C.-F.**, Retter, T. L., & Rossion, B. (2016). Automatic contribution of colour information to face categorization from briefly presented natural images. *Annual Meeting of the Belgian Association for Psychological Science, Conference Program*, 147.
- Or, C. C.-F.**, Retter, T. L., & Rossion, B. (2015). The effect of head orientation on face detection in natural images as evidenced by fast periodic visual stimulation. *Perception*, *44*(S1), 20–21. doi:10.1177/0301006615598674
- Or, C. C.-F.**, Retter, T. L., & Rossion, B. (2015). The effect of head orientation on face detection in natural images as evidenced by fast periodic visual stimulation. *Journal of Vision*, *15*(12), 690. doi:10.1167/15.12.690
- Eckstein, M. P., **Or, C. C.-F.**, Peterson, M. F. (2014). Anomalous optimal points of fixation to faces. *Perception*, *43*(S1), 123–124. doi:10.1177/03010066140430S101
- Peterson, M. F., **Or, C.**, Elliott, J., Giesbrecht, B., & Eckstein, M. P. (2014). Early and late neural correlates of individual differences in fixation-specific face recognition performance. *Journal of Vision*, *14*(10), 1441. doi:10.1167/14.10.1441
- Or, C. C.-F.**, Peterson, M. F., & Eckstein, M. P. (2013). Asian and Caucasian observers' initial eye movements during face identification are similar and optimal. *Journal of Vision*, *13*(9), 1273. doi:10.1167/13.9.1273
- Daar, M., **Or, C. C.-F.**, Wilson, H. (2012). Increment threshold functions for radial frequency motion trajectories exhibit a dipper function above threshold. *Journal of Vision*, *12*(9), 644. doi:10.1167/12.9.644

- Haque, Y., Wilkinson, F., **Or, C.**, & Wilson, H. R. (2012). Periodic motion trajectory detection: Effects of frequency and radius. *Journal of Vision*, *12*(9), 150. doi:10.1167/12.9.150
- Wilson, H. R., **Or, C.**, Wilkinson, F. (2011). Implicit learning of face prototypes defined by geometric information. Program No. 487.17. *2011 Neuroscience Meeting Planner*. Washington, DC: Society for Neuroscience.
- Or, C. C.-F.**, & Wilson, H. R. (2011). Implicit face prototype learning from geometric information. *Journal of Vision*, *11*(11), 591. doi:10.1167/11.11.591
- Or, C. C.-F.**, Thabet, M., Wilson, H. R., & Wilkinson, F. (2010). Detection of radial frequency motion trajectories. *Journal of Vision*, *10*(7), 825. doi:10.1167/10.7.825
- Wilson, H. R., **Or, C.**, Thabet, M., & Wilkinson, F. (2010). Discrimination & identification of periodic motion trajectories. *Canadian Society for Brain, Behaviour and Cognitive Science 20th Annual Meeting*.
- Or, C. C.-F.**, & Wilson, H. R. (2009). View-based categorization and face discrimination: Does categorization occur after face detection? *Journal of Vision*, *9*(8), 527. doi:10.1167/9.8.527
- Or, C. C.-F.**, & Elder, J. H. (2007). Classification image analysis of oriented texture detection. *Journal of Vision*, *7*(9), 359. doi:10.1167/7.9.359
- Or, C. C.-F.**, Khuu, S. K., & Hayes, A. (2006). The effect of contrast variations on the perception of Glass patterns. *Journal of Vision*, *6*(6), 583. doi:10.1167/6.6.583
- Or, C. C.-F.**, Khuu, S. K., & Hayes, A. (2005). The interaction of motion and orientation in the perception of global structure. *Perception*, *34*(Supplement), 172–173.
- Or, C. C.-F.** (2004). A hybrid connectionist model of serial order behaviour. *International Journal of Psychology*, *39*(5), 137.

Reviewer for Journals

Cognition
 Journal of Vision
 Perception
 PLOS ONE
 Psychological Research
 Psychonomic Bulletin & Review
 Vision Research

Professional Membership

Vision Sciences Society

TEACHING EXPERIENCE

Course instructor

Lecturer, Laboratory in Cognitive Psychology (HP4061), Nanyang Technological University, 2017

Lecturer, Cognitive Psychology (HP2600), Nanyang Technological University, 2017

Teaching Assistantships

Health Psychology, York University, 2010-2011

Advanced Research in Psychology (undergraduate honours thesis), York University, 2009-2010

Sensation and Perception I, York University, 2007-2009

Sensation and Perception II (seminar), York University, 2008

Introduction to Research Methods, York University, 2007

Drugs and Behaviour, York University, 2006

Biological Psychology, The University of Hong Kong, 2005

Cognitive Psychology, The University of Hong Kong, 2004

How the Mind Works: Explorations in Basic Thinking Processes, The University of Hong Kong, 2004

Introduction to Cognitive Science, The University of Hong Kong, 2003