

TANYA R JONKER

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ACADEMIC AND EMPLOYMENT HISTORY

Research Scientist

Facebook Reality Labs (2017-present)

Postdoctoral Scholar

University of California, Davis (2015-2017)
Principle Investigator: Charan Ranganath

PhD, Cognitive Psychology

University of Waterloo (2011-2015)
Advisor: Colin M. MacLeod
Alumni Gold Medal for outstanding achievement at the Doctoral level

MA, Cognitive Psychology

University of Waterloo (2010-2011)
Advisor: Colin M. MacLeod

BA, Honours Psychology

University of the Fraser Valley (2005-2009)
Advisors: K. Wayne Podrouzek, Andrea D. Hughes
Governor General's Academic Silver Medal for highest academic standing

Additional Credentials

Fundamentals of University Teaching, University of Waterloo
Intermediate Proficiency Certificate in Spanish, University of the Fraser Valley

RESEARCH FUNDING

- | | |
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| 2015-2017 | Postdoctoral Fellowship
NSERC, \$90,000
Top ranking score in division |
| 2012-2015 | Vanier Canada Graduate Scholarship
NSERC, \$150,000 |
| 2014 | Michael Smith Foreign Study Supplement
NSERC, \$6,000 |

- 2012 **Canada Graduate Doctoral Scholarship**
NSERC, \$105,000, declined
- 2012 **President's Scholarship**
University of Waterloo, \$30,000, declined
- 2012 **Ontario Graduate Scholarship**
OSAP, \$15,000, declined
- 2011-2012 **Ontario Graduate Scholarship**
OSAP, \$15,000
- 2010-2012 **President's Scholarship**
University of Waterloo, \$20,000
- 2010-2011 **Alexander Graham Bell Canada Graduate Masters Scholarship**
NSERC, \$17,500
- 2010 **Graduate Fellowship**
University of Victoria, \$10,000, declined

AWARDS AND DISTINCTIONS

- 2017 **Early Career Award**
American Psychological Association
- 2016 **Psychonomic Society Best Poster Award**
First runner-up
- 2015 **Alumni Gold Medal**
University of Waterloo
- 2014 **Young Distinguished Alumni Award**
University of the Fraser Valley
- 2014 **University of the Fraser Valley's Top 40 Alumni**
University of the Fraser Valley
- 2012 **Donald O. Hebb Graduate Student Award for Best Paper Presentation**
Honourable mention
- 2012 **Amit & Meena Chakma Award for Exceptional Teaching by a Student**
Student nomination
- 2011 **Donald O. Hebb Graduate Student Award for Best Paper Presentation**
Honourable mention
- 2009 **Governor General's Academic Silver Medal**
University of the Fraser Valley

2009 **Dean's List graduation status**

University of the Fraser Valley

2009 **Award for Academic Excellence for Honours Thesis**

Canadian Psychological Association

2009 **Undergraduate Research Excellence Award for Psychology**

University of the Fraser Valley

PUBLICATIONS

h index = 10

Jonker, T. R., Dimsdale-Zucker, H., Ritchey, M., Clarke, A., & Ranganath, C. (2018). Neural reactivation in parietal cortex enhances memory for episodically linked information. *Proceedings of the National Academy of Sciences, 115*, 11084-11089.

Jonker, T. R., Wammes, J. D., & MacLeod, C. M. (2018). Drawing enhances item information but undermines sequence information in memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Jonker, T. R. & MacLeod, C. M. (2018). Two sources of information in reconstructing event sequence. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 44*, 1013-1022.

Jonker, T. R., & MacLeod, C. M. (2017). Not all order memory is equal: Test demands reveal dissociations in memory for sequence information. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 43*, 177-188.

Jonker, T. R. (2016). Individual differences in incorrect responding and the ability to discriminate the source of the products of retrieval. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 42*, 1078-1089.

Jonker, T. R., Seli, P., & MacLeod, C. M. (2015). Retrieval-induced forgetting and context. *Current Directions in Psychological Science, 24*, 273-278.

Seli, P., Jonker, T. R., Cheyne, J. A., Cortes, K., & Smilek, D. (2015). Can research participants comment authoritatively on the validity of their self-reports of mind wandering and task engagement? *Journal of Experimental Psychology: Human Perception and Performance, 41*, 703-709.

Jonker, T. R., & MacLeod, C. M. (2015). Disruption of relational processing underlies poor memory for order. *Journal of Experimental Psychology: Learning, Memory and Cognition, 41*, 831-840.

Jonker, T. R., Levene, M., & MacLeod, C. M. (2014). Testing the item order account of design effects using the production effect. *Journal of Experimental Psychology: Learning, Memory and Cognition, 40*, 441-448.

Forrin, N. D., Jonker, T. R., & MacLeod, C. M. (2014). Production improves memory equivalently following elaborative vs. non-elaborative processing. *Memory, 22*, 470-480.

Jonker, T. R., Seli, P., Cheyne, J. A., & Smilek, D. (2013). Performance reactivity in a continuous-performance task: Implications for understanding post-error behavior. *Consciousness & Cognition, 22*, 1468-1476.

- Jonker, T. R., Seli, P., & MacLeod, C. M. (2013). Putting retrieval-induced forgetting in context: An inhibition-free, context-based account. *Psychological Review*, *120*, 852-872.
- MacLeod, C. M., Jonker, T. R., & James, G. (2013). Individual differences in remembering. Chapter in T. Perfect and D. S. Lindsay (Eds.), *Handbook of applied memory*. London: Sage Publications.
- Seli, P., Jonker, T. R., Solman, G. J. F., Cheyne, J. A., & Smilek, D. (2013). A methodological note on evaluating performance in a sustained attention to response task. *Behavior Research Methods*, *45*, 355-363.
- Seli, P., Jonker, T. R., Cheyne, J. A., & Smilek, D. (2013). Enhancing SART validity by statistically controlling speed-accuracy trade-offs. *Frontiers in Psychology*, *4*, 265.
- Jonker, T. R., Seli, P., & MacLeod, C. M. (2012). Less we forget: Retrieval cues and release from retrieval-induced forgetting. *Memory & Cognition*, *40*, 1236-1245.
- Jonker, T. R., & MacLeod, C. M. (2012). Retrieval-induced forgetting: Testing the competition assumption of inhibition theory. *Canadian Journal of Experimental Psychology*, *66*, 204-211.

MENTORSHIP

Senior Honours Thesis Students

Ayesha Mehra (2017) University of California, Davis
 Chad Fernandez (2011-2012) University of Waterloo
 Jon Zimmerman (2011) University of Waterloo

TEACHING

- 2013 **Instructor:** University of Waterloo
 Research in Memory
- 2010 **Laboratory Instructor:** University of the Fraser Valley
 Research Methods in Psychology
- 2010-2015 **Teaching Assistant:** University of Waterloo
 Physiological Psychology (2015)
 Research in Memory (2014)
 Advanced Data Analysis (2012)
 Research in Memory (2012)
 Advanced Data Analysis (2011)
 Research Methods in Psychology (2010)

PROFESSIONAL SERVICE

- 2013 **Talk Organizer** for a presentation by Dr. Michael Masson (University of Victoria) on Bayesian hypothesis testing
- 2012-2014 **Vice President** of the Mind Society – an interdisciplinary cognitive science community at the University of Waterloo

2012-2014 Mentor to newly admitted Graduate students as part of the Big Siblings program at the University of Waterloo

Ad-Hoc Reviewer

Acta Psychologica

Canadian Journal of Experimental Psychology

Current Directions in Psychological Science

Journal of Experimental Psychology: Learning, Memory, and Cognition

Memory & Cognition

Perspectives in Psychological Science

Psychological Science

Quarterly Journal of Experimental Psychology

INVITED LECTURES

2015 *Remembering in context.* Talk given April 2015 to the memory group at University of California, Davis.

2014 *An introduction to functional connectivity fMRI.* Lecture given November 2014 to a graduate course at the University of Waterloo.

Preparing for Graduate School. Talk given August 2014 a group of undergraduate students at the University of the Fraser Valley.

Putting retrieval-induced forgetting in context. Talk given June 2014 to York University's Learning Attention and Memory group.

CONFERENCE PRESENTATIONS

2017 Jonker, T. R., Dimsdale-Zucker, H. R., Ritchey, M, Clarke, A., & Ranganath, C. (Nov 2017). *Retrieval-related memory enhancement and reactivation in the posterior medial/core recollection network.* Poster presented at the annual meeting of Society for Neuroscience, Washington, DC.

Jonker, T. R., Ritchey, M., Dimsdale-Zucker, H. R., & Ranganath, C. (Nov 2017). *Retrieval benefits spill over onto episodically related information: Evidence from behaviour and fMRI.* Poster presented at the annual meeting of the Psychonomic Society, Vancouver, Canada.

Mizrak, E., Jonker, T. R., Oztekin, I., & Ranganath, C. (Nov 2017). *Is Emotional Interference Semantic in Nature?* Poster presented at the annual meeting of the Psychonomic Society, Vancouver, Canada.

2016 **Jonker, T. R.,** Ritchey, M., & Ranganath, C. (Nov 2016). *Wearable technology and retrieval practice in a real-world environment.* Poster presented at the annual meeting of the Psychonomic Society, Boston, MA. (Runner up for Best Poster Award).

Jonker, T. R., & MacLeod, C. M. (Nov 2016). *Not all order memory is equal: Dissociations in memory for sequence and temporal information.* Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.

2015 **Jonker, T. R.,** Schacter, D.L., & MacLeod, C. M. (Nov 2015). *Reducing false memory by reinstating context.* Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL.

- 2014** **Jonker, T. R.**, & MacLeod, C. M. (Nov 2014). *Relational encoding and memory for order*. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- Lin, O. Y.-H., Jonker, T. R., & MacLeod, C. M. (Nov 2014). *Characterizing color-word contingency learning*. Paper presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
- 2013** MacLeod, C. M., Lin, O. Y.-H., Forrin, N. D., & **Jonker, T. R.** (Nov 2013). *What is learned in colour contingency learning?* Paper presented at the annual meeting of the Psychonomic Society, Toronto, ON.
- Jonker, T. R.**, Levene, M., & MacLeod, C. M. (Nov 2013). *Exploring memory for order in the production effect*. Poster presented at the annual meeting of the Psychonomic Society, Toronto, ON.
- Jonker, T. R.**, Levene, M., & MacLeod, C. M. (June 2013). *Order information is differentially retained in the production effect*. Poster presented at the 23rd annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Calgary, AB.
- 2012** **Jonker, T. R.**, MacLeod, C. M., & Seli, P. (Nov 2012). *Putting retrieval-induced forgetting in context*. Paper presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Seli, P., **Jonker, T. R.**, & Smilek, D. (Nov 2012). *Attentional disengagement and behavioral instability*. Poster presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Forrin, N. D., **Jonker, T. R.**, & MacLeod, C. M. (Nov 2012). *Production improves memory even following generation or imagery*. Poster presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
- Jonker, T. R.**, Seli, P., & MacLeod, C. M. (June 2012). *Retrieval-induced forgetting or context-induced forgetting?* Paper presented at the 22nd annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Sciences, Kingston, ON. (Honourable mention for D.O. Hebb Award for best paper presentation by a graduate student.)
- Seli, P., **Jonker, T. R.**, Solman, G. J., Cheyne, J. A., & Smilek, D. (June 2012). *Keeping the rhythm: Exploring attention lapses and behavioural stability*. Poster presented at the 22nd annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Kingston, ON.
- Jonker, T. R.**, Seli, P., & MacLeod, C. M. (May 2012). *Retrieval-induced forgetting or context-induced forgetting?* Paper presented at the NorthWest Cognition and Memory conference, Burnaby, BC.
- 2011** **Jonker, T. R.**, & MacLeod, C. M. (Aug 2011). *Retrieval-induced forgetting: Testing the competition assumption of the inhibition account*. Poster presented at the 5th International Conference on Memory, York, England.
- Seli, P., & **Jonker, T. R.** (Aug 2011). *An examination of retrieval-induced forgetting using implicit subcategory information*. Poster co-presented at the 5th International Conference on Memory, York, England.
- Jonker, T. R.**, Seli, P., & MacLeod, C. M. (June 2011). *Release from retrieval-induced forgetting: The importance of retrieval cues on the final test*. Paper presented at 21st annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Winnipeg, MN. (Honourable mention for D.O. Hebb Award for best paper presentation by a graduate student.)

- 2010 **Jonker, T. R.**, Bernstein, D. M., Aßfalg, A., & LeGrand, R. (May 2010). *Processing orientation and facial recognition*. Poster presented at the NorthWest Cognition and Memory conference, Bellingham, WA.
- 2009 **Jonker, T. R.**, Podrouzek, K. W., & Hughes, A. D. (Nov 2009). *A look at spreading inhibition: Retrieval-induced forgetting in a three-level hierarchy*. Poster presented at the annual meeting of the Psychonomic Society, Boston, MA.
- Jonker, T. R.**, Podrouzek, K. W., & Hughes, A. D. (June 2009). *Five experiments on retrieval-induced forgetting in a three-level hierarchy*. Paper presented at the Connecting Minds conference, Richmond, BC.
- Jonker, T. R.**, Podrouzek, K. W., & Hughes, A. D. (May 2009). *Examining retrieval-induced forgetting in a three-level hierarchy*. Poster presented at the NorthWest Cognition and Memory conference, Victoria, BC.
- Jonker, T. R.**, Podrouzek, K. W., & Hughes, A. D. (Apr 2009). *Retrieval-induced forgetting in a three-level hierarchy*. Poster presented at the student research day at the University of the Fraser Valley, Abbotsford, BC.
- Jonker, T. R.**, Podrouzek, K. W., & Hughes, A. D. (Mar 2009). *Retrieval-induced forgetting in a three-level hierarchy*. Poster presented at the Undergraduate research day at the University of British Columbia Psychology, Vancouver, BC.