

# CAROLYN M. PARKINSON

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## EDUCATION AND EMPLOYMENT

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- March 2016 – Present**      **Assistant Professor, University of California, Los Angeles**  
Department of Psychology
- Aug. 2015 – Feb. 2016**      **Postdoctoral Fellow, Dartmouth College**  
Department of Psychological and Brain Sciences
- Sept. 2015**  
**(conferred June 2016)**      **Ph.D. in Cognitive Neuroscience, Dartmouth College**  
Dissertation title: *How we connect: Neural mechanisms underpinning human social networks*  
  
Dissertation committee: *Thalia Wheatley, James Haxby, Todd Heatherton, Nicholas Christakis*
- Sept. 2008– June 2009**      **Research Coordinator, Peking University & McGill University**
- June 2008**      **B.Sc. (First Class Honors), McGill University**

## FELLOWSHIPS, HONORS, AND AWARDS

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- 2017      UCLA Council on Research Faculty Research Grant
- 2017      UCLA Council on Research Travel Grant
- 2016      William M. Smith Promise Award in the Brain Sciences, Dartmouth College
- 2016      Hannah Croasdale Award for Academic Excellence, Dartmouth College  
*College-wide award to “the graduating Ph.D. recipient who best exemplifies the qualities of a scholar.”*
- 2012, 2015, 2016      Neukom Institute for Computational Science Travel Grant
- 2015      Social and Affective Neuroscience Society Poster Award
- 2015      Graduate Travel Award, Dartmouth Graduate Studies
- 2014–2015      Neukom Institute for Computational Science Graduate Fellowship
- 2014      Neukom Institute for Computational Science Prize for Outstanding Graduate Research in Computational Science
- 2014      Graduate Alumni Research Award, Dartmouth College

2014	Outstanding Graduate Student Teacher Award, Dartmouth College Center for the Advancement of Learning
2014	Summer Institute in Cognitive Neuroscience Fellow, University of California, Santa Barbara
2010–2013	Natural Sciences and Engineering Research Council of Canada Postgraduate Scholarship – Doctoral
2013	Advanced Neuroimaging Summer Training Program Fellow, UCLA Semel Institute for Neuroscience and Human Behavior
2013	Social and Affective Neuroscience Society Graduate Student Travel Award
2013	Conference Travel Grant, Dartmouth Graduate Student Council
2012	Marie A. Center 1982 Award for Research Excellence, Dartmouth College
2012	Society for Neuroscience Graduate Student Travel Award
2012	Society for Social Neuroscience Travel Award
2010	Cognitive Neuroscience Society Graduate Student Award
2009	Presidential Graduate Fellowship, Dartmouth College
2004–2008	Millennium Excellence Award, Canada Millennium Scholarship Foundation
2004–2008	J.W. McConnell Scholarship, McGill University
2007	Natural Sciences and Engineering Research Council of Canada Undergraduate Student Research Award
2006	Millennium Excellence Grant, Canada Millennium Scholarship Foundation
2004	Governor General’s Academic Medal
2004	Rockwell Automation Bursary
2003	University of Toronto National Book Award

## **PUBLICATIONS**

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**Parkinson, C.**, Wheatley, T., & Kleinbaum, A. M. (Forthcoming). The Neuroscience of Social Networks. In R. Light & J. Moody (Eds.), *The Oxford Handbook of Social Network Analysis*. Oxford: Oxford University Press.

**Parkinson, C.** (In press). Emotion in the Social World. In R. J. Davidson, A. J. Shackman, A. S. Fox, & R. C. Lapate (Eds.), *The Nature of Emotion: Fundamental Questions* (2<sup>nd</sup> Edition). New York: Oxford University Press.

**Parkinson, C.**, Kleinbaum, A. M., & Wheatley, T. (2017). Spontaneous neural encoding of social network position. *Nature Human Behaviour*, 1, 72.

- Parkinson, C.,** Walker, T., Memmi, S., & Wheatley, T. (2017). Emotions are understood from biological motion across remote cultures. *Emotion, 17*(3), 459–477.
- Parkinson, C.** & Wheatley, T. (2016). Reason for optimism: How a shifting focus on neural population codes is moving cognitive neuroscience beyond phrenology. *Behavioral and Brain Sciences, 39*, e126.
- Parkinson, C.** & Wheatley, T. (2015). The repurposed social brain. *Trends in Cognitive Sciences, 19*(3), 133–141.
- Christian, B. M.\*, **Parkinson, C.\***, Macrae, C. N., Miles, L. K., & Wheatley, T. (2015). When imagining yourself in pain, visual perspective matters: The neural and behavioral correlates of simulated sensory experiences. *Journal of Cognitive Neuroscience, 27*(5), 866–875.  
\*Contributed equally
- Parkinson, C.,** Liu, S., & Wheatley, T. (2014). A common cortical metric for spatial, temporal, and social distance. *Journal of Neuroscience, 34*(5), 1979–1987.
- Parkinson, C.,** & Wheatley, T. (2014). Relating anatomical and social connectivity: White matter microstructure predicts emotional empathy. *Cerebral Cortex, 24*(3), 614–625.
- Parkinson, C.,** & Wheatley, T. (2013). Old cortex, new contexts: Re-purposing spatial perception for social cognition. *Frontiers in Human Neuroscience, 7*:645.
- Christian, B. M., Miles, L. K., **Parkinson, C.,** & Macrae, C. N. (2013). Visual perspective and the characteristics of mind wandering. *Frontiers in Psychology, 4*:699.
- Parkinson, C.,** Kohler, P., Sievers, B., & Wheatley, T. (2012). Associations between auditory pitch and visual elevation do not depend on language: Evidence from a remote population. *Perception, 41*(7), 854–861.
- Wheatley, T., Kang, O., **Parkinson, C.,** & Looser, C. (2012). From mind perception to mental connection: Synchrony as a mechanism for social understanding. *Social and Personality Psychology Compass, 6*(8), 589–606.
- Parkinson, C.** & Wheatley, T. (2012). Intention. In V. S. Ramachandran (Ed.), *Encyclopedia of Human Behavior* (2nd Edition, pp. 452–457). San Diego, CA: Elsevier.
- Parkinson, C.,** Sinnott-Armstrong, W., Koralus, P., Mendelovici, A., McGeer, V., & Wheatley, T. (2011). Is morality unified? Evidence that distinct neural systems underlie judgments of harm, dishonesty, and disgust. *Journal of Cognitive Neuroscience, 23*(10), 3162–3180.

Zhu, X., Wang, X., **Parkinson, C.**, Cai, C., Gao, S., & Hu, P. (2010). Brain activation evoked by erotic films varies with menstrual phases: An fMRI study. *Behavioural Brain Research*, *206*(2), 279–285.

Abela, J.R.Z., **Parkinson, C.**, Stolow, D., & Starrs, C. (2009). A test of the integration of the hopelessness and response styles theories of depression in middle adolescence. *Journal of Clinical Child and Adolescent Psychology*, *38*, 354–364.

## **MANUSCRIPTS UNDER REVIEW**

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**Parkinson, C.**, Kleinbaum, A. M., & Wheatley, T. (Under review). Neural homophily: Similar neural responses predict friendship.

Sievers, B., **Parkinson, C.**, Walker, T., Haslett, W., & Wheatley, T. (Under review). A universal energy code for emotion in sound, shape, and movement.

## **MANUSCRIPTS IN PREPARATION**

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**Parkinson, C.**, Lynn, B., Kleinbaum, A., & Wheatley, T. (In prep.). Social network position gates social attention in humans.

**Parkinson, C.**, Liu, S., & Wheatley, T. (In prep.). A shared neural encoding of semantic similarity and physical proximity.

Sievers, B., **Parkinson, C.**, Fogelson, S., Kohler, P., Hughes, J., & Wheatley, T. (In prep.). Multivoxel patterns reveal a common encoding of music and movement in superior temporal cortex.

## **CONFERENCE PRESENTATIONS**

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### **TALKS**

**Parkinson, C.**, Kleinbaum, A. M., & Wheatley, T. (2017). Brains of a feather: Similarity of neural responses to naturalistic stimuli predicts social network proximity. In J. De Leersnyder (Chair), *Minds of a feather: Social network approaches to similarity in emotion, decision-making, and brainwaves*. Symposium to be conducted at the 18<sup>th</sup> general meeting of the European Association of Social Psychology (EASP), July 2017, Granada, Spain.

**Parkinson, C.** (2017). Spontaneous neural encoding of familiar others' social network position characteristics. Talk to be given at the Social Minds, Social Brains EASP pre-conference, organized by the Society for European Social and Affective Neuroscience, July 2017, Granada, Spain.

**Parkinson, C.,** Kleinbaum, A. M., & Wheatley, T. (2017). Perceivers automatically encode the social network positions of familiar others. In C. Parkinson & D. Wagner (Co-Chairs), *Decoding Social Categories, Person Knowledge & Social Networks from Brain Activity*. Symposium conducted at the annual meeting of the Society for Personality and Social Psychology, January 2017, San Antonio, TX, USA.

**Parkinson, C.,** Kleinbaum, A. M., & Wheatley, T. (2016). Brains of a feather: Similarity of neural responses to naturalistic stimuli predicts social network proximity. In *The Brain in Interpersonal Contexts: New Approaches and Future Directions in Social Neuroscience*. Symposium to be conducted at the annual meeting of the Society of Experimental Social Psychology, September 2016, Santa Monica, CA, USA.

**Parkinson, C.,** Kleinbaum, A. M., & Wheatley, T. (2016). Brains of a feather: Similarity of neural responses to naturalistic stimuli predicts social network proximity. In *Social Cognition & Social Groups*. Symposium conducted at the annual meeting of the Social & Affective Neuroscience Society, April 2016, New York, NY, USA.

**Parkinson, C.,** Walker, T., Memmi, S., & Wheatley, T. (2015). Emotions and intentions are understood from biological motion across remote cultures. In A. Fischer (Chair), *How Do We Recognize Emotions And What Is It Good For? New Directions In Emotion Recognition Research*. Symposium conducted at the inaugural International Convention of Psychological Science, March 2015, Amsterdam, the Netherlands.

**Parkinson, C.,** Walker, T., Memmi, S., & Wheatley, T. (2014). Emotions and intentions are understood from biological motion across remote cultures. Slide session conducted at the annual Society for Personality and Social Psychology Emotion Pre-Conference, February 2014, Austin, TX, USA.

**Parkinson, C.,** Liu, S., & Wheatley, T. (2013). A common cortical metric for spatial, temporal and social distance\*. In *Social Networks & Reward*. Symposium conducted at the annual meeting of the Social & Affective Neuroscience Society, April 2013, San Francisco, CA, USA.

*\*Winner, Social & Affective Neuroscience Society Graduate Student Travel Award*

**Parkinson, C.,** Koralus, P. E., Sinnott-Armstrong, W., Mendelovici, A., McGeer, V., & Wheatley, T. (2010). Is morality unified? The neural correlates of different kinds of moral judgments\*. In K. Christoff (Chair), *Thinking*. Slide session conducted at the annual meeting of the Cognitive Neuroscience Society, April 2010, Montreal, QC, Canada.

*\*Winner, Cognitive Neuroscience Society Graduate Student Award*

**Parkinson, C.,** Abela, J. R. Z., Auerbach, R., Yao, S., & Zhu, X. (2008). Rumination as a vulnerability factor to depressive and anxious symptoms in urban and rural adolescents in Mainland China. In A. Ryder (Chair), *Depression in Mainland China: Predictors, Correlates,*

*and Consequences*. Symposium conducted at the quadrennial International Congress of Psychology, July 2008, Berlin, Germany.

**Parkinson, C. M.,** McWhinnie, C. M., & Abela, J. R. Z. (2008). Cognitive vulnerability to depression in children and adolescents: The roles of self-critical and personal standards perfectionism. Slide session conducted at the biennial meeting of the International Society for Affective Disorders, March 2008, Cape Town, South Africa.

**Parkinson C.,** Auerbach, R. P., & Abela, J. R. Z. (2007). A factorial categorization of depressive and anxious symptoms, depressive vulnerability factors and cultural beliefs among youth in urban and rural Hunan, China. Slide session conducted at the triennial World Congress of Behavioural and Cognitive Therapies, July 2007, Barcelona, Spain.

**Parkinson, C.,** & Abela, J. R. Z. (2007). An integration of the hopelessness and response styles theories of depression. In C. McWhinnie (Chair), *Vulnerability to Depression Among Adolescents*. Symposium conducted at the annual meeting of the Eastern Psychological Association, March 2007, Philadelphia, PA, USA.

### POSTERS

**Parkinson C.,** Kleinbaum, A. M., & Wheatley, T. (2016). Minds of a feather: Inter-subject similarities of neural responses to naturalistic stimuli predict social network proximity. Poster presented at the annual meeting of the Society for Personality and Social Psychology, January 2016, San Diego, CA, USA.

**Parkinson C.,** Kleinbaum, A. M., & Wheatley, T. (2016). Minds of a feather: Inter-subject similarities of neural responses to naturalistic stimuli predict social network proximity. Poster presented at the New Methods Pre-Conference of the annual meeting of the Society for Personality and Social Psychology, January 2016, San Diego, CA, USA.

**Parkinson C.,** Kleinbaum, A. M., & Wheatley, T. (2015). Spontaneous neural encoding of social distance\*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society, April 2015, Boston, MA, USA.

*\*Winner, Social & Affective Neuroscience Society Poster Award*

**Parkinson C.,** Kleinbaum, A. M., & Wheatley, T. (2015). Decoding social network position from automatically elicited patterns of brain activity. Poster to be presented at the annual meeting of the Cognitive Neuroscience Society, March 2015, San Francisco, CA, USA.

**Parkinson, C.,** Kleinbaum, A. M., & Wheatley, T. (2014). Spontaneous encoding of social network position. Poster presented at the Dartmouth Center for Cognitive Neuroscience & Neukom Institute for Computational Science Decoding Population Responses Workshop, August 2014, Hanover, NH, USA.

**Parkinson, C.,** Kleinbaum, A. M., & Wheatley, T. (2014). Spontaneous encoding of social network position. Poster presented at the Dartmouth Center for Cognitive Neuroscience & Center for Social Brain Sciences Multidisciplinary Perspectives on Person Perception Workshop, July 2014, Hanover, NH, USA.

**Parkinson, C.,** Liu, S., & Wheatley, T. (2013). A common neural encoding of spatial and semantic distance. Poster presented at the annual meeting of the Cognitive Neuroscience Society, April 2013, San Francisco, CA, USA.

Christian, B., **Parkinson, C.,** Wheatley, T., Miles, L.K., & Macrae, C.N. (2013). Pain, pain go away: Visual perspective and the embodiment of imagined sensory experiences. Poster presented at the annual meeting of the Social & Affective Neuroscience Society, April 2013, San Francisco, CA, USA.

**Parkinson, C.,** Liu, S., & Wheatley, T. (2012). Multivoxel pattern analysis reveals a domain-general neural encoding of psychological distance\*. Poster presented at the annual meeting of the Society for Neuroscience, October 2012, New Orleans, LA, USA.

*\*Winner, Society for Neuroscience Graduate Student Travel Award*

**Parkinson, C.,** Liu, S., & Wheatley, T. (2012). Multivoxel pattern analysis reveals a domain-general neural encoding of psychological distance\*. Poster presented at the annual meeting of the Society for Social Neuroscience (SfN satellite event), October 2012, New Orleans, LA, USA.

*\*Winner, Society for Social Neuroscience Travel Award*

**Parkinson, C.,** Wheatley, T. (2012). Relating anatomical and social connectivity: White matter microstructure predicts emotional contagion. Poster presented at the annual meeting of the Cognitive Neuroscience Society, April 2012, Chicago, IL, USA.

**Parkinson, C.,** Auerbach, R. P., & Abela, J. R. Z. (2007). A factorial categorization of depression-related constructs in adolescents in rural and urban Hunan, China. Poster presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 2007, Philadelphia, PA, USA.

**Parkinson, C.,** Starrs, C., Stolor, D., & Abela, J. R. Z. (2007). A test of an integrative model of vulnerability to depression in adolescents. Poster presented at the biennial meeting of the Society for Research in Child Development, March 2007, Boston, MA, USA.

## **INVITED AND DEPARTMENTAL RESEARCH TALKS**

2015      Cornell University, Department of Psychology

2015      University of California, Los Angeles, Department of Psychology

2015      University of Colorado Boulder, Cognitive Lunch Talk Series

2014	Dartmouth College, Social Behavioral Workshop
2013	Harvard University, Concepts Seminar Series
2013	Dartmouth College, Social Brain Sciences Talk Series
2012	Harvard University, Social Brain Sciences Symposium
2012	Dartmouth College, Social Brain Sciences Talk Series
2011	Dartmouth College, Social Brain Sciences Talk Series
2010	Dartmouth College, Cognitive Brown Bag Talk Series
2010	Princeton University, Moral Psychology Research Group

## **TEACHING AND MENTORING**

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### **TEACHING**

#### **Courses Taught at UCLA**

The Neuroscience of Social Perception	<b>Fall 2016</b>
Advanced Honors Seminar: The Neuroscience of Social Perception	<b>Fall 2016</b>
Introduction to Social Psychology	<b>Spring 2016, 2017</b>

#### **Guest Lectures**

Graduate Research Methods in Social Psychology (UCLA)	<b>2017</b>
Introduction to Psychology (Dartmouth College)	<b>2014</b>
Cognition (Dartmouth College)	<b>2014</b>
Social Psychology (Dartmouth College)	<b>2011</b>

### **MENTORING**

#### **Graduate Course in Research Methods (Psych 251) Sponsorship**

João F. Guassi Moreira (Developmental Psychology), Secondary Sponsor (2017).

#### **Undergraduate Honors Research (Psych 198) Sponsorship**

Vanessa Castro (Fall 2016 – Spring 2017).

#### **Undergraduate Directed Independent Research (Psych 199) Sponsorship**

Yuchen Li (Spring 2017).



### **Undergraduate Research Assistantship (Psych 196A/B) Sponsorship**

Taylor Pio (Fall 2016; Winter 2017); Yuchen Li (Fall 2016; Winter 2017); Nia Riegel Echevaria Ferrer (Winter 2017; Spring 2017); Savanna Gharibian (Spring 2017); Georgia Perris (Spring 2017).

### **ADVISEE FUNDING AND AWARDS**

Vanessa Castro – UCLA Undergraduate Research Scholars Program scholarship (2016–2017);  
Dean’s Prize for Outstanding Undergraduate Research (2017).

Ruby Basyouni – Psychology Research Opportunities Programs (PROPS) fellowship (2017)

## **PROFESSIONAL ACTIVITIES**

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### **DEPARTMENTAL, UNIVERSITY AND PROFESSIONAL SERVICE**

- 2017– Social Area Awards Committee, Dept. of Psychology
- 2017– Psychology Research Opportunities Programs (PROPS) mentor
- 2017 Judge, UCLA Grad Slam (university-wide graduate student research presentation competition)
- 2016– Cognitive Science Major Committee, Dept. of Psychology
- 2016–2017 Co-organizer, 10<sup>th</sup> Annual Meeting of the Social and Affective Neuroscience Society

### **CHAired CONFERENCE SYMPOSIA**

- 2017 *Decoding social categories, person knowledge & social networks from brain activity.* Society for Personality and Social Psychology Annual Meeting, San Antonio, TX

### **OUTREACH**

- 2016 Panelist, Career Panel, Advanced Neuroimaging Summer Training Program, UCLA Semel Institute for Neuroscience and Human Behavior
- 2016 Panelist, Academic Job Market Panel, UCLA Department of Psychology
- 2015 Speaker and discussion leader, Careers in Science (informational dinner for undergraduates), Dartmouth College East Wheelock Cluster, Hanover, NH
- 2013 Panelist, Science Career Exploration Panel, State Street School, Windsor, VT

- 2013 Panelist, Science Career Exploration Panel for 8<sup>th</sup> Graders, Woodstock Middle School, Woodstock, VT
- 2008 Group Leader, McGill Life Skills Project (Research-based intervention program aiming to prevent depression during adolescence), St. Paul's Elementary School, Montreal, QC
- 2007 Group Leader, Penn Resiliency Program (Research-based intervention program aiming to prevent depression during the transition from childhood to adolescence), Meadowbrook Elementary School, Montreal, QC

### **AD-HOC REVIEWING**

#### **Funding Agencies**

*Israel Science Foundation*

*National Science Foundation*

#### **Journals**

*Annals of the New York Academy of Sciences*

*Biological Psychology*

*Cerebral Cortex*

*Frontiers in Human Neuroscience*

*Journal of Cognitive Neuroscience*

*NeuroImage*

*Philosophical Transactions of the Royal Society B: Biological Sciences*

*Proceedings of the National Academy of Sciences of the United States of America*

*Social Cognitive and Affective Neuroscience*

*Trends in Cognitive Sciences*

### **SELECTED MEDIA COVERAGE**

Scientific American. "The brain boasts its own social network." (April 2017)

Science Daily. "How does the human brain tackle problems it did not evolve to solve?" (Feb. 2015)

Medical Daily. "Human brain adapts to modern problem-solving with skills learned through evolution" (Feb. 2015)

Scientific American Mind. "One brain area processes time, space and social relationships." (July 2014)

Northeast Public Radio Academic Minute. "Thinking in distance." (April 2014)

Popular Science. "In the brain, distances in space, time, and social relationships look the same." (Feb. 2014)

National Geographic Phenomena Science Salon. "How our brains go the distance." (Feb. 2014)

Science Daily. "First evidence for a common brain code for space, time, distance." (Feb. 2014)

**PROFESSIONAL AFFILIATIONS**

Cognitive Neuroscience Society

Social and Affective Neuroscience Society

Society for Personality and Social Psychology