

# DAMON TOMLIN, Ph.D.

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## POSITIONS

<b>University of Colorado, Colorado Springs</b> Department of Psychology	Adjunct Faculty	2014 – PRESENT
<b>University of Denver</b> Department of Psychology	Adjunct Faculty	2014 – PRESENT
<b>University of Colorado, Boulder</b> Institute of Cognitive Science	Visiting Scholar Sponsor: Tor Wager	2013 – PRESENT
<b>Princeton University</b> Princeton Neuroscience Institute	Postdoctoral Research Associate Advisor: Jonathan D. Cohen	2006 – 2013

## EDUCATION

<b>Baylor College of Medicine</b>	Ph.D. in Neuroscience Advisor: P. Read Montague	2001 – 2006
<b>Vanderbilt University</b>	B.S.E. in Biomedical Engineering	1997 – 2001

## PUBLICATIONS

**Tomlin, D**, Nedic, A, Prentice, DA, Holmes, P, Cohen, JD (2013) The neural substrates of social influence on decision making. *PLoS One* 8(1): e52630.

Nedic, A, **Tomlin, D**, Holmes, P, Prentice, DA, Cohen, JD (2012) A decision task in a social context: human experiments, models, and analyses of behavioral data. *Proceedings of the IEEE* 100: 713-733.

Woodruff, C, Vu, L, Morgansen, KA, **Tomlin, D** (2012) Deterministic modeling and evaluation of decision-making dynamics in sequential two-alternative forced choice tasks. *Proceedings of the IEEE* 100: 734-750.

Stewart, A, Cao, M, Nedic, A, **Tomlin, D**, Leonard, NE (2012) Towards human-robot teams: model-based analysis of human decision making in two-alternative choice tasks with social feedback. *Proceedings of the IEEE*: 100: 751-775.

Nedic, A, **Tomlin, D**, Holmes, P, Prentice, DA, Cohen, JD (2008) A simple decision task in a social context: experiments, a model, and preliminary analyses of behavioral data. *47<sup>th</sup> IEEE Conference on Decision and Control, 2008*: 1115-1120.

Chiu, PH, Kayali, MA, Kishida, KT, **Tomlin, D**, Klinger, LG, Klinger, MR, Montague, PR (2008) Self responses along cingulate cortex reveal quantitative neural phenotype for high-functioning autism. *Neuron* 57: 463-473.

**Tomlin, D**, Kayali, MA, King-Casas, B, Anen, C, Camerer, CF, Quartz, SR, Montague, PR (2006) Agent-specific responses in cingulate cortex during economic exchanges. *Science* 312: 1047-1050.

King-Casas, B, **Tomlin, D**, Anen, C, Camerer, CF, Quartz, SR, Montague, PR (2005) Getting to know you: reputation and trust in a two person economic exchange. *Science* 308: 78-83.

McClure, SM, Li, J, **Tomlin, D**, Cypert KS, Montague, LM, Montague, PR (2004) Neural correlates of behavioral preference for culturally familiar drinks. *Neuron* 44: 379-387.

## WORKING PAPERS

**Tomlin, D** (*under review*). Rational constraints and the evolution of fairness in the Ultimatum Game.

**Tomlin, D**, Rand, DG, Ludvig, EA, Cohen, JD (*under review*). The evolution and devolution of cognitive control: the costs of optimality in a competitive world.

**Tomlin, D**, Nedic A, Prentice, DA, Holmes, P, Cohen, JD. Social herding: computational modeling and neural correlates.

Getz, SJ, **Tomlin, D**, Nystrom, LE, Cohen, JD, Conway, ARA. Executive control of intertemporal choice: Effects of cognitive load on decision-making.

## TEACHING

<b>University of Colorado, Colorado Springs</b>	Theories of Personality (Undergraduate)	Fall 2014
<b>University of Denver</b>	Cognitive Neuroscience (Graduate)	Fall 2014
<b>Princeton University</b>	Introduction to Cognitive Neuroscience (Undergraduate; Discussion sections)	Spring 2013
<b>Princeton University</b>	Introduction to MATLAB	Fall 2006 Spring 2008-2009 Summer 2010- 2013
<b>Baylor College of Medicine</b>	Statistical Computing and Modeling	Winter 2008

<b>University of Houston</b>	fMRI Seminar	Spring 2004
<b>Baylor College of Medicine</b>	Introduction to MATLAB	Spring 2004 – 2005
<b>Baylor College of Medicine</b>	fMRI Analysis	Summers 2003 – 2005

## ADVISING

Sarah Getz, Ph.D. student, Princeton University	2008 – 2013
Jonathan Beauchamp, visiting Ph.D. student, Harvard University	2008 – 2009
Tatiana Lau, undergraduate, Princeton University	2008 – 2009

## SELECTED TALKS

Behavioral and neural responses during group foraging tasks (2014)  
University of Colorado, Colorado Springs *Department of Psychology Colloquium Series*

Group foraging task reveals neural substrates of social conformity (2014)  
*Social and Affective Neuroscience Society*

Behavioral and neural responses in group foraging tasks (2013)  
University of Colorado at Boulder, *Cognitive and Affective Neuroscience Lab Meeting*

Group foraging task reveals separable influences of individual experience and social information (2012)  
Princeton University, *Neuroscience of Social Decision Making Lecture Series*

Reward-based decision making in groups: Social influence and its neural substrates (2011)  
Rutgers University, *Meeting on Learning in Game Theoretic Settings*

Group decision making: Social influence and its neural substrates (2010)  
Princeton University, *Neuroscience of Social Decision Making Lecture Series*

Group decision making: Behavioral and imaging results (2010)  
Baylor College of Medicine, *Human Neuroimaging Laboratory*

Neural and behavioral responses to social feedback during group decision-making (2009)  
Princeton University, *Neuroscience of Social Decision Making Lecture Series*

Reward-based decision making under social interaction (2008)  
New York University, *Department of Psychology*

Neural responses and behavior in an economic trust game (2007)  
Princeton University, *Neuroscience of Social Decision Making Lecture Series*

Cross cingulate PCA reveals agent-specific map during iterated social exchange (2006)  
California Institute of Technology, *Department of Economics*

Getting to know you: reputation and trust in a two person economic exchange (2004)  
*Neural Information Processing Systems*

## **SELECTED POSTER SESSIONS**

**Tomlin, D**, Nedic, A, Wilson, RC, Holmes, P, Cohen, JD (2012)  
Group foraging task reveals separable influences of individual experience and social information  
*Society for Neuroscience*, New Orleans, LA

**Tomlin, D**, Nedic, A, Todd, MT, Wilson, RC, Prentice, DA, Holmes, P, Cohen, JD (2011)  
Group foraging task reveals neural substrates of social influence  
*Society for Neuroscience*, Washington, D.C.

**Tomlin, D**, Nedic, A, Prentice, DA, Holmes, P, Cohen, JD (2010)  
Group foraging task reveals neural substrates of social influence  
*Society for Neuroscience*, San Diego, CA

**Tomlin, D**, Hughes, JA, Luka, J, Chakwin, EM, Nedic, A, Holmes, P, Montague, PR, Cohen, JD (2008)  
Neural responses to social feedback during group decision making  
*Society for Neuroscience*, Washington, D.C.

**Tomlin, D**, King-Casas, B, Anen, C, Quartz, SR, Montague, PR (2005)  
Exchange task reveals differential neural responses across social context and gender  
*Society for Neuroscience*, Washington, D.C.

**Tomlin, D**, King-Casas, B, Anen, C, Quartz, SR, Montague, PR (2005)  
Exchange task reveals differential neural responses across social context and gender  
*Society for Neuroeconomics*, Kiawah Island, SC

**Tomlin, D**, Anen, C, King-Casas, B, Camerer, CF, Quartz, SR, Montague, PR (2004)  
Exchange game reveals 'own' and 'other' responses along human cingulate cortex  
*Society for Neuroeconomics*, Kiawah Island, SC

## **REVIEWING**

*Journal of Neuroscience, NeuroImage, Neuron, Proceedings of the IEEE, Proceedings of the National Academy of Sciences USA, Social Cognitive and Affective Neuroscience*