

# Pat Barclay

## Curriculum Vitae

### **Current Position & Contact Information (July 2009 – present):**

Pat Barclay

Associate Professor (July 2014-present); Assistant Professor (2009-2014)

Department of Psychology (Cross-Appointed to Bachelor of Arts & Sciences Program)

3009 Mackinnon Extension

University of Guelph

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*Note: I was on parental leave in 2014 (twins born in March '14). I returned Jan 2015.*

*Note: I am on sabbatical Sept 2015-Aug 2016 in the Dept. of Zoology, Oxford University*

### **Previous Positions (August 2005 to June 2009):**

Title: Postdoctoral Assoc. & Lecturer (2005-2008)

Research Assoc. & Lecturer (2008-2009)

Employer: Department of Neurobiology & Behavior, Cornell University

Advisor: H. Kern Reeve

Note: This position was more than a typical postdoctoral position. As required for the position, I set up and ran my own research laboratory on human social behaviour that was completely independent of my advisor's work on social insects, I created and taught a third-year lecture course on the evolution of human behaviour, and I team-taught a second-year course on animal behaviour.

## **Education**

### **Graduate Education (Sept. 2000 to July 2005):**

Ph.D. McMaster University: Department of Psychology, Neuroscience, & Behaviour

Program Area: Evolution and Social Behaviour

Supervisors: Drs. Martin Daly and Margo Wilson

Date Completed: July, 2005

Thesis Title: Reputational benefits of altruism and altruistic punishment

### **Undergraduate Education (Sept. 1995 to April 1999):**

University of Guelph, Honours B.Sc. with Specialization in Psychology.

Degree awarded June 1999. Graduated with Distinction

## **Research Activity:**

### **Research Interests:**

General: evolutionary social psychology, cooperation, and experimental economics.

Specifically: competitive altruism, reputation, biological markets, partner choice, trust, public goods, common pool resources, reciprocity, costly signaling, punishment, social status, cheater-detection, game theory, intergroup behavior, commitment

### **Awards:**

- Winner of the Early Career Award for Distinguished Scientific Contribution, 2015  
Human Behavior & Evolution Society (HBES), \$500  
Awarded to “excellent young scientists (<10 years post-PhD) who have made distinguished theoretical and/or empirical contributions to the study of evolution and human behavior”
- Co-author on winner of New Investigator Award (for best graduate student paper), 2005  
Human Behavior & Evolution Society (HBES), \$500
- Winner of New Investigator Award (for best graduate student paper), 2003  
Human Behavior & Evolution Society (HBES), \$500

### **Grants and Contracts:**

- Social Sciences & Humanities Research Council (SSHRC), 2015-2020, Insight Grant entitled “Reputation and cooperative signals: applications and limitations”, Amount: \$143,524 (Role: PI).
- Social Sciences & Humanities Research Council (SSHRC), 2011-2014 (extended to 2015), Standard Research Grant entitled “The maintenance of cooperative behaviour through partner choice and punishment”, Amount: \$91,104 (Role: PI)
- Higher Education Quality Council of Ontario (HECQO), 2011-2013, contract entitled “Cooperation and Competition in Large Classrooms”, \$57,650 (Role: co-PI).
- Social Sciences & Humanities Research Council (SSHRC), 2011-2013, Insight Development Grant entitled “The role of social environment on risky behaviour”, \$23,700 (Role: co-PI)
- Social Sciences & Humanities Research Council (SSHRC), 2010-2011, Standard Research Grant entitled “The maintenance of cooperative behaviour through reputational costs and benefits”, Amount: \$19,132 (Role: PI)
- National Science Foundation (NSF) and US Department of Defense (DoD), 2009-2011 NSCC grant entitled: “Status, manipulating group threats, & conflict within & between groups”, Amount: \$59,948 to me & \$95,695 to my co-PI (Role: lead PI)
- Cornell Institute for Social Sciences (ISS) 2007; Small Grant. Amount: \$4877 (Role: PI)

### **Scholarships**

- Social Sciences and Humanities Research Council (SSHRC), 2002/2003 to 2003/2004  
Doctoral Fellowship. Amount: \$17,500/year (\$35,000 total)
- Ontario Graduate Scholarship (OGS), 2001/2002; Amount: \$12,000
- Ontario Graduate Scholarship (OGS), 2000/2001; Amount: \$10,000

## Refereed Publications

Mishra, S., Barclay, P., & Sparks. (forthcoming). The relative state model: Integrating need-based and ability-based pathways to risk-taking. Accepted for publication in *Personality and Social Psychological Review*. Impact Factor: 6.69.

Barker, J., & Barclay, P. (in press). Local competition increases people's willingness to harm others. Accepted for publication in *Evolution and Human Behavior*. Impact Factor: 3.13.

Barclay, P., & Raihani, N. (in press). Partner choice versus punishment in human Prisoner's Dilemmas. In press at *Evolution and Human Behavior*.  
[doi:10.1016/j.evolhumbehav.2015.12.004](https://doi.org/10.1016/j.evolhumbehav.2015.12.004). Impact Factor: 3.13

Sparks, A., Burleigh, T., & Barclay, P. (in press). We can see inside: Accurate prediction of Prisoner's Dilemma decisions in announced games. Accepted for publication in *Evolution and Human Behavior*. [doi:10.1016/j.evolhumbehav.2015.11.003](https://doi.org/10.1016/j.evolhumbehav.2015.11.003). Impact Factor: 3.13

Barclay, P. (2016). Biological markets and the effects of partner choice on cooperation and friendship. *Current Opinion in Psychology*, 7, 33-38.

Sparks, A., & Barclay, P. (2015). No effect on condemnation of short or long exposure to eye images. *Letters on Evolutionary Behavioral Science*, 6(2), 13-16.

Barclay, P., & Stoller, B. (2014). Local competition sparks concern for fairness in the ultimatum game. *Biology Letters*, 10, 20140213. Impact Factor: 3.348.

Mishra, S., Barclay, P., & Lalumière, M.L. (2014). Competitive disadvantage facilitates risk taking. *Evolution and Human Behavior*, 35, 126-132. Impact Factor: 3.946.

Barclay, P., & Benard, S. (2013). Who cries wolf, and when: manipulation of perceived threats to preserve rank in cooperative groups. *PLOS ONE*, 8(9), e73863.  
[doi:10.1371/journal.pone.0073863](https://doi.org/10.1371/journal.pone.0073863). Impact Factor: 4.092.

Barclay, P. (2013). Strategies for cooperation in biological markets, especially for humans. *Evolution & Human Behavior*, 34(3), 164-175. Impact Factor: 3.946.

Sparks, A., & Barclay, P. (2013). Eyes increase generosity, but not for long: the limited effect of a false cue. *Evolution & Human Behavior*, 34, 317-322. Impact Factor 3.946.

Barker, J., Barclay, P., & Reeve, H.K. (2013). Competition over personal resources favors contributions to shared resources in human groups. *PLOS ONE*, 8(3), e58826. Impact Factor: 4.092.

Barclay, P. (2012). Harnessing the power of reputation: strengths and limits for promoting cooperative behaviours. *Evolutionary Psychology*, 10(5), 868-883. Impact Factor: 1.704.

Barclay, P., & Reeve, H.K. (2012). The varying relationship between helping and individual quality. *Behavioral Ecology*, 23(4), 693-698. Impact Factor: 3.157

Barker, J., Barclay, P., & Reeve, H.K. (2012). Within-group competition reduces cooperation and payoffs in human groups. *Behavioral Ecology*, 23(4), 735-741. Impact Factor: 3.157.

Barclay, P. (2011). Competitive helping increases with the size of biological markets and invades defection. *Journal of Theoretical Biology*, 281, 47-55. Impact Factor: 2.303.

Barclay, P. (2010). Altruism as a courtship display: Some effects of third-party generosity on audience perceptions. *British Journal of Psychology*, 101, 123-135. Impact Factor: 3.389.

Kiyonari, T., & Barclay, P. (2008). Cooperation in social dilemmas: free-riding may be thwarted by second-order rewards rather than punishment. *Journal of Personality and Social Psychology*, 95(4), 826-842. Impact Factor: 5.51

Krupp, D. B., DeBruine, L. M., & Barclay, P. (2008). A cue of kinship promotes cooperation for the public good. *Evolution & Human Behavior*, 29, 49-55. Impact Factor: 3.946. **Winner of the New Investigator Award at the international Human Behavior & Evolution Society (HBES) meeting in June, 2005.**

Barclay, P. (2008). Enhanced recognition of defectors depends on their rarity. *Cognition*, 107, 817-828. Impact Factor: 3.523

Barclay, P., & Willer, R. (2007). Partner choice creates competitive altruism in humans. *Proceedings of the Royal Society of London Series B*, 274, 749-753. Impact Factor: 5.683

Barclay, P. (2006). Reputational benefits for altruistic punishment. *Evolution and Human Behavior*, 27, 325-344. Impact Factor: 3.946

Barclay, P., & Lalumière, M. (2006). Do people differentially remember cheaters? *Human Nature*, 17(1), 98-113. Impact Factor: 1.814

Barclay, P. (2004). Trustworthiness and Competitive Altruism Can Also Solve the “Tragedy of the Commons”. *Evolution & Human Behavior*, 25(4), 209-220. Impact Factor: 3.946. **Winner of the New Investigator Award at the international Human Behavior & Evolution Society (HBES) meeting in June, 2003.**

## **Books and Book chapters**

Kafashan, S., Sparks, A., Rotella, A., & Barclay, P. (in press). Why heroism exists: evolutionary perspectives on extreme helping. In S. T. Allison, G. R. Goethals, & R. M. Kramer (Eds.) *The Handbook of Heroism and Heroic Leadership*. Routledge.

Barclay, P. (2015). Reputation. In D. Buss (Ed.) *Handbook of Evolutionary Psychology* (2<sup>nd</sup> Ed.), pp. 810-828. Hoboken, NJ: J. Wiley & Sons.

Barclay, P., & Van Vugt, M. (2015). The evolutionary psychology of human prosociality: adaptations, mistakes, and byproducts. In D. Schroeder & W. Graziano (Eds.) *Oxford Handbook of Prosocial Behavior*, pp. 37-60. Oxford, UK: Oxford University Press. \* Most of this chapter was reused with permission in the authored book “Social Dilemmas: The Psychology of Human Cooperation” by P. Van Lange, D. Balliet, C. D. Parks, & M. Van Vugt, published in 2014 by Oxford University Press. I am first author of the corresponding chapter there.

Kafashan, S., Sparks, A., Griskevicius, V., & Barclay, P. (2014). Prosocial behaviour and social status. In J. T. Cheng, J. L. Tracy, & C. Anderson (Eds.) *The Psychology of Social Status*, pp. 139-158. New York, NY: Springer.

Barclay, P., & Kiyonari, T. (2014). Why sanction? Functional causes of punishment and reward. In P. Van Lange, B. Rockenbach, & T. Yamagishi (Eds.) *Social Dilemmas: New Perspectives on Reward and Punishment*, pp. 182-196. Oxford, UK: Oxford University Press.

Barclay, P. (2011). The evolution of charitable behaviour and the power of reputation. In C. Roberts (Ed.) *Applied Evolutionary Psychology*, pp. 149-172. Oxford, UK: Oxford University Press.

Barclay, P. (2010). *Reputation and the Evolution of Generous Behavior*. Nova Science Publishers, Hauppauge, NY. \* Note: this is essentially a very lengthy book chapter, but the publisher released it as a stand-alone book.

## **Non-Refereed Publications**

Barclay, P., & Krupp, D. B. (forthcoming). The burden of proof for a cultural group selection account. Accepted for publication in *Behavioral and Brain Sciences*. Impact Factor: 25.056

Krupp, D. B., Kim, J., Taylor, P., & Barclay, P. (2014). *Cooperation and competition in large classrooms*. Toronto: Higher Education Quality Council of Ontario.

Sparks, A., Mishra, S., & Barclay, P. (2013). Fundamental freedoms and the psychology of threat, bargaining, and inequality. *Behavioral and Brain Sciences*, 36, 36-37. Impact Factor: 25.056

Barclay, P. (2013). Pathways to Abnormal Revenge and Forgiveness. *Behavioral and Brain Sciences*, 36(1), 17-18. Impact Factor: 25.056

Barclay, P. (2012). Proximate and ultimate causes of Strong Reciprocity and punishment. *Behavioral and Brain Sciences*, 35(1), 16-17. Impact Factor: 25.056

Krupp, D. B., & Barclay, P. (2010). Margo Wilson (1942-2009). *Journal of Evolutionary Psychology*, 8(1), 1-3.

Barclay, P. (2008). Using the hatchet and burying it afterwards – A review of “Beyond revenge: The evolution of the forgiveness instinct”. Invited book review for *Evolution & Human Behavior*, 29(6), 450-451. Impact Factor: 3.946.

Barclay, P. (2006). Dissertation abstract: Reputational benefits of altruism and altruistic punishment. *Experimental Economics*, 9(2), 181-182. Impact Factor: 2.069.

Krupp, D.B., Barclay, P., Daly, M., Kiyonari, T., Dingle, G., & Wilson, M. (2005). Let's add some psychology (and maybe even some evolution) to the mix. *Behavioral & Brain Sciences*, 28(6), 828-829. Impact Factor: 25.056

Barclay, P., & Daly, M. (2003). Humans should be individualistic and utility-maximizing, but not necessarily “rational”. *Behavioral & Brain Sciences*, 26(2), 154-155. Impact Factor: 25.056

## Invited Research Talks

Barclay, P. (2016). *Biological Markets and the Evolution of Human Cooperation*. Invited seminar in the Centre for Culture and Evolution, March 2016, Brunel University, Uxbridge, UK.

Barclay, P. (2016). *Biological Markets and the Evolution of Human Cooperation*. Invited seminar in the Department of Zoology, Jan. 2016, University of Oxford, Oxford, UK.

Barclay, P. (2015). *Biological Markets and the Evolution of Human Cooperation*. Invited seminar in the Department of Psychology, Dec. 2015, University College London, London, UK.

Barclay, P. (2015). *Biological Markets and the Evolution of Human Cooperation*. Invited seminar in the Department of Psychology, Nov. 2015, University of Glasgow, Glasgow, UK.

Barclay, P. (2015). *Reputation-based partner choice and the evolution of human cooperation*. **INVITED PLENARY** at the 1<sup>st</sup> Brazilian meeting of the Human Behavior and Evolution Society (HBES) in conjunction with Instituto Brasileiro de Neuropsicologia e Comportamento (IBNeC). September 2015, Gramado, Brazil.

Barclay, P. (2014). *Using Our Evolutionary Roots to Promote Cooperation*. **INVITED KEYNOTE TALK** at the Combining Two Cultures Conference. February 2014, University of Guelph, Guelph, ON.

Barclay, P. (2014). *The Evolution of Cooperation Within Biological Markets*. Invited seminar in the Department of Applied Mathematics, February 2014, University of Western Ontario, London, ON.

Barclay, P. (2013). *Biological Markets and the Evolution of Human Cooperation*. Invited seminar in the Department of Marketing & Consumer Studies, Nov. 2013, University of Guelph, Guelph, ON.

Barclay, P. (2013). *Promoting Cooperation by Harnessing the Power of Reputation*. Invited talk in the “Discover Psychology” public talk series, Oct. 18<sup>th</sup> 2013, McMaster University, Hamilton, ON.

Barclay, P. (2013). *Biological Markets and the Evolution of Human Cooperation*. Invited seminar in the Faculty of Business Administration, April 2013, University of Regina, Regina, SK.

Barclay, P. (2013). *Biological Markets, Partner Choice, and the Evolution of Competitive Helping*. Invited seminar in the Department of Mathematics and Statistics, February 2013, University of Guelph, Guelph, ON.

Barclay, P. (2013). *Human Cooperation: Reputation, Partner Choice, and Competitive Altruism*. Invited seminar in the Department of Psychology, January 2013, Queens University, Kingston, ON. \* This talk was accompanied by an additional invited presentation to members of the mathematics department.

Barclay, P. (2012). *Reputation and the Evolution of Generosity*. **INVITED KEYNOTE SPEAKER** at the University of Toronto Interdisciplinary Symposium on the Mind. November 2012, University of Toronto, ON.

Barclay, P. (2012). *Reputation and Competitive Helping Within Biological Markets*. Invited seminar in the Research Center for Group Dynamics, April 2012, University of Michigan, Ann Arbor, MI.

Barclay, P. (2011). *Reputation and the Evolution of Cooperation*. Invited seminar in the Arts and Sciences Seminar Series, November 2011, Clarkson University, Potsdam, NY.

Barclay, P. (2010). *Harnessing the Power of Reputation*. Invited talk at the TEDxGuelphU conference (independently licensed TED conference), April 2010, University of Guelph, Guelph, ON.

Barclay, P. (2009). *Partner choice and competitive generosity*. Invited talk at the “Cooperation: Self Interest and Mutual Interest” meeting (SUNY Conversations in the Disciplines), October 2009, Cornell University, Ithaca, NY.

Barclay, P. (2009). *The evolution of cooperation in human groups: reputations, competitive generosity, and punishment*. Invited seminar for the Department of Psychology, April 2008, University of Guelph, Guelph, ON.

Barclay, P. (2008). *Group cooperation and competition: competitive altruism, social markets, and manipulation of group threats*. Invited seminar for the Department of Psychology, November 2008, Brunel University, Uxbridge (West London), UK.

Barclay, P. (2008). *Cooperation and competition within groups: manipulation and reputational benefits for generosity and punishment*. Invited seminar for the Department of Psychology, November 2008, University of Kent, Canterbury, UK.

Barclay, P. (2008). *Competition within cooperative groups: competitive altruism, social markets, and manipulation of group threats*. Invited talk in the Dept. of Psychology, Neuroscience, & Behaviour, November 2008, McMaster University, Hamilton, ON.

Barclay, P. (2008). *Survival of the generous: game theory and the evolution of human altruism*. **INVITED KEYNOTE SPEAKER** at the inaugural SUNY Albany Darwin Day, February 2008, SUNY Albany, NY.

Barclay, P. (2008). *Cooperation in Groups: Reputations, Generosity, and Punishment*. Invited seminar for the Department of Experimental Psychology, January 2008, University of Bristol, UK.

Barclay, P. (2007). *Social markets, costly signals, and the evolution of competitive altruism*. Invited seminar for the Program for Evolutionary Dynamics, October 2007, Harvard University, Cambridge, MA.

Barclay, P. (2007). *The evolution of cooperation and altruistic punishment via reputation and partner choice*. Invited seminar for the Department of Psychology, March 2007, University of Lethbridge, Lethbridge AB.

Barclay, P. (2006). *The evolution of ethics and morality*. Invited talk for the Cornell Bioethics Society, April 2006, Ithaca, NY.

Barclay, P. (2005). *Trustworthiness and the evolution of cooperation and punishment*. Invited seminar for the Center for Behavioral Economics & Decision Research, November 2005, Cornell University, Ithaca, NY.

Barclay, P. (2004). *Cooperation, Altruistic Punishment, and Reputation in a "Tragedy of the Commons"*. Invited seminar for the Department of Neurobiology and Behavior, Oct. 2004, Cornell University, Ithaca, NY.

Barclay, P. (2003). *New Darwinian Solutions to the "Tragedy of the Commons"*. Invited seminar for the Ecology, Evolution & Behaviour Seminar, Oct. 2003, Department of Biology, McMaster University, Hamilton, ON.

Barclay, P., Daly, M., DeBruine, L., & Wilson, M. *Psychologist Meets Economist*. Invited talk, April 2003, Department of Economics, McMaster University, Hamilton, ON.

### **Invited Mentoring Talks:**

Barclay, P., & Hodges, C. (2015). How to navigate the job market. Mentoring lunch at the annual meeting of the Human Behavior and Evolution Society (HBES), May 2015, University of Missouri, Columbia, MO.

Barclay, P., Sneyd, A., & Levac, L. (2015). Top Tips for Applying to SSHRC. Talk at a University of Guelph workshop on applying for grants from the Social Sciences & Humanities Research Council of Canada (SSHRC). May 2015. Guelph, ON.

### **First-Authored Conference Presentations:**

Barclay, P. (2015). The evolution of inequity aversion under local competition. Talk at the International Conference on Applied Mathematics, Modeling, and Computational Science (AMMCS). June 2015, Wilfred Laurier University, Waterloo, ON.

Barclay, P., & Barker, J. (2015). Greener than thou: partner choice creates competition to save the environment. Talk at the annual meeting of the Human Behavior & Evolution Society (HBES), May 2015, Columbia, MO.

Barclay, P. (2015). Inequity aversion and willingness-to-harm under local competition. Talk at the Southern Ontario Behavioural Decision Research (SOBDR) meeting, May 2015, Rotman Institute, Toronto, ON.

Barclay, P., Barker, J., & Stoller, B. (2014). Local competition creates inequity aversion and spite. Talk at the annual meeting of the Human Behavior & Evolution Society (HBES), July-Aug 2014, Natal, Brazil.

Barclay, P., Barker, J., & Stoller, B. (2013). Local competition fosters fairness concerns and spite. Talk at the annual Darwin Day meeting, Oct 2013, Brock University, St. Catharines, ON.

Barclay, P. (2013). The evolution of competitive helping within biological markets. Talk at the International Conference on Applied Mathematics, Modeling, and Computational Science (AMMCS). August 2013, Wilfred Laurier University, Waterloo, ON.



Barclay, P., & Benard, S. (2013). "Us vs. them" or "us vs. nature": cooperation and manipulation in response to social and asocial group threats. Talk at the annual meeting of the Human Behavior & Evolution Society, July 2013, University of Miami, FL.

Barclay, P., & Benard, S. (2012). "Power corrupts, competition for power corrupts more": manipulating threats to reserve one's rank in groups. Poster at the meeting of the Minerva Initiative, Sept 2012, Arlington, VA.

Barclay, P. (2012). Risk-taking: costly signal or nothing to lose? Talk at the annual meeting of the Human Behavior & Evolution Society, June 2012, University of New Mexico, Albuquerque, NM.

Barclay, P., & Reeve, H.K. (2012). The varying relationship between helping and individual quality. Talk at the annual meeting of the Animal Behavior Society, June 2012, University of New Mexico, Albuquerque, NM.

Barclay, P. (2012). The varying relationship between helping and individual quality. Talk at the annual Ontario Ecology, Ethology, and Evolution Colloquium (OE3C), May 2012, McMaster University, Hamilton, ON.

Barclay, P. (2012). Strategies within biological markets. Presentation at the Lorentz Center workshop "Cooperation in Multi-Partner Settings: Biological Markets and Social Dilemmas", January 2012, Leiden, NL.

Barclay, P., & Benard, S. (2011). "Power corrupts, competition for power corrupts more": manipulating threats to preserve dominance within cooperative groups. Talk at the 14<sup>th</sup> International Conference on Social Dilemmas, July 2011, Amsterdam, NL.

Barclay, P., & Benard, S. (2011). Manipulation of Perceived Threats to Preserve Rank in Cooperative Groups. Talk at the annual meeting of the Human Behavior and Evolution Society, June 2011, Montpellier, FR.

Barclay, P., & Benard, S. (2011). "Power corrupts, competition for power corrupts more": manipulating threats to preserve one's rank within groups. Poster at the annual meeting of the Society for Personality and Social Psychology, January 2011, San Antonio, TX.

Barclay, P. (2010). *Biological markets, partner choice, and the evolution of competitive altruism*. Talk at the annual meeting of the Human Behavior and Evolution Society, June 2010, University of Oregon, Eugene, OR.

Barclay, P. (2009). *Balancing reputational and non-reputational costs & benefits: An evolutionary model of bystander effects*. Talk at the annual meeting of the Human Behavior and Evolution Society, June 2009, California State University: Fullerton, Fullerton, CA.

Barclay, P. (2008). *Balancing group cooperation and conflict: status and manipulation of group threats*. Talk at the 12<sup>th</sup> International Behavioral Ecology Conference (ISBE), August 2008, Cornell University, Ithaca, NY.

Barclay, P., & Benard, S. (2008). *Stability-Dependent Cooperation, Status, and "Upping the Threat Level"*. Talk at the annual meeting of the Human Behavior and Evolution Society, June 2008, Kyoto University, Kyoto, Japan.

- Barclay, P. (2008). *Punishing free-riders to signal toughness and deter transgressions*. Talk at the annual meeting of the North-Eastern Evolutionary Psychology Society, May 2008, University of Southern New Hampshire, Manchester, NH.
- Barclay, P., & Willer, R. (2007). *Partner choice creates competitive altruism in humans*. Talk at the 12<sup>th</sup> International Conference on Social Dilemmas, July 2007, Seattle, WA.
- Barclay, P., & Willer, R. (2007). *Partner choice creates competitive altruism in humans*. Talk at the annual meeting of the Human Behavior and Evolution Society, June 2007, College of William & Mary, Williamsburg, VA.
- Barclay, P., & Willer, R. (2007). *Partner choice creates competitive altruism in humans*. Talk at the annual meeting of the North-Eastern Evolutionary Psychology Society, April 2007, SUNY New Paltz, New Paltz, NY.
- Barclay, P. (2006). *Enhanced recognition of defectors depends on their rarity*. Talk at the annual meeting of the Human Behavior and Evolution Society, June 2006, University of Pennsylvania, Philadelphia, PA.
- Barclay, P. (2005). *Punishment and reputation in public goods games*. Talk at the annual international meeting of the Economic Science Association, June 2005, CIRANO, McGill University, Montreal, QC.
- Barclay, P. (2004). *Having a Reputation for Punishing in Public Goods Games*. Talk at the Canadian Experimental and Behavioral Economics Workshop, Oct. 2004, University of Calgary, AB.
- Barclay, P. (2004). *Do Altruistic Punishers Receive Social Benefits? Testing For Within-Group Benefits*. Talk at the annual meeting of the Human Behavior and Evolution Society, June 2004, Free University, Berlin.
- Barclay, P. (2004). *Social Benefits of Altruistic Punishment in a Tragedy of the Commons*. Talk at the Ontario Ecology and Evolution Colloquium, May 2004, University of Toronto Mississauga, ON.
- Barclay, P., & Lalumière, M. (2003). *Do People Who Score High on Psychopathy Have a Good Memory for Cheaters or Altruist? Does anyone?* Talk at 7<sup>th</sup> annual Law & Mental Health Conference, Nov. 2003, Centre for Addiction and Mental Health, Toronto, ON.
- Barclay, P. (2003). *Do We Really Remember Cheaters?* Talk at the annual Darwin Day meeting, Sept. 2003, Centre for Addiction and Mental Health, Toronto, ON.
- Barclay, P. (2003). *Tragedy of the Commons, Trustworthiness, and Competitive Altruism*. Talk at the annual international meeting of the Economic Science Association, June 2003, University of Pittsburgh, PA.
- Barclay, P., & Lalumière, M. (2003). *Are Humans Actually Good at Cheater-Recall? Maybe Not...* Poster presentation at the Brain, Behaviour and Cognitive Sciences Conference, June 2003, McMaster University, Hamilton, ON.
- Barclay, P. (2003). *Trustworthiness and Competitive Altruism Can Also Solve the "Tragedy of the Commons"*. Talk at the annual meeting of the Human Behaviour and

Evolution Society, June 2003, University of Nebraska, Lincoln, NE. **NOTE: THIS TALK WON BEST NEW INVESTIGATOR AT THIS CONFERENCE**

Barclay, P. (2003). *Self-Perceived Social Status and Behaviour in Experimental Social Dilemmas*. Talk at the annual meeting of the Canadian Economic Association, June 2003, Carleton University, Ottawa, ON.

Barclay, P. (2003). *Tragedy of the Commons, Trustworthiness, and Competitive Altruism*. Talk at the Ontario Ecology and Evolution Colloquium, May 2003, McMaster University, Hamilton, ON.

Barclay, P. (2001). *Altruism as a courtship display: Is it actually attractive?* Poster presentation at the annual meeting of the Human Behavior and Evolution Society, June 2001, University College London, U.K.

## Reviewing Work:

### Granting Agencies:

- Social Sciences and Humanities Research Council of Canada (SSHRC);
- Natural Sciences and Engineering Research Council of Canada (NSERC);
- Economic & Social Research Council of the UK (ESRC);
- National Science Foundation of the USA (NSF);
- Netherlands Organisation [sic] for Scientific Research (NWO)
- Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek – Vlaanderen)
- Royal Society of London University Research Fellowship

Human Behavior & Evolution Society (HBES) Best New Investigator Competition 2007;  
Early Career Award for Distinguished Scientific Contribution, 2016

Academic Journals (in approximate order of Impact Factor): Behavioral & Brain Sciences (25.056); Trends in Ecology & Evolution (14.448), PNAS (9.681); Scientific Reports (5.578); Proceedings: Biological Sciences (5.415); Journal of Personality & Social Psychology (5.076); Evolution (4.612); IEEE Transactions on Evolutionary Computation (4.589); Psychological Science (4.431); PLoS ONE (4.092); Journal of Experimental Psychology: General (3.986); Evolution & Human Behavior (3.946); Journal of Evolutionary Biology (3.816); BMC Evolutionary Biology (3.700); Climatic Change (3.635); Biology Letters (3.521); Current Directions in Psychological Science (3.490); Cognition (3.162); Organizational Behavior & Human Decision Processes (3.129); American Journal of Political Science (2.756); Behavioral Ecology & Sociobiology (2.749); Aggressive Behavior (2.630); Frontiers in Psychology (2.6); Personality & Social Psychology Bulletin (2.575); Journal of Experimental Social Psychology (2.239); Acta Psychologica (2.194); British Journal of Psychology (2.368); Human Nature: An Interdisciplinary Biosocial Perspective (1.955); Personality & Individual Differences (1.878); British Journal of Social Psychology (1.816); Evolutionary Psychology (1.704); Journal of Artificial Societies & Social Simulation (1.234); Cross-Cultural Research (2.212); Journal of Social & Personal Relationships (0.969); Journal of Applied Social Psychology (0.772); Journal of Bioeconomics (0.63); Journal of Social, Evolutionary, & Cultural Psychology (0.48); Journal of Evolutionary Psychology (0.46); Evolutionary Psychological Science (not yet ranked)

# Teaching Activities

## Teaching Interests:

General: Evolution & human social behaviour, social psychology, critical thinking, cooperation, conflict, game theory, strategic interactions, philosophy of science

## Undergraduate Courses Instructed (4/year):

University of Guelph: Psychology Seminar (PSYC4900) in W10-W12, F12-F13  
University of Guelph: Evolutionary Psychology (PSYC3100) in F10-F11, W13-W15  
University of Guelph: Modes of Communication & Inquiry Across Disciplines (ASCI2000) in F10-F13  
University of Guelph: Topics in Arts & Science Research (ASCI4020/4030) – Implications of Darwinism in W10, W12-W14  
University of Guelph: BAS Honours Research Seminar (ASCI4010) W15  
Cornell University: Human Sociobiology (BIONB3310) 2006-2009  
Cornell University: team-taught in Introduction to Behavior (BIONB2210) 2005-2009  
McMaster University: Evolution and Human Behaviour (3F03) in Spring/Summer 2004 and 2005. Co-instructors with Daniel Krupp ('04-'05) & Eric Bressler ('04)

## Primary Graduate Supervision (not including committees):

Adam Sparks: Advisor for PhD in Psychology (May 2015)  
Sara Kafashan: Advisor for MSc in Psychology (Sept 2012), PhD (in progress)  
Amanda Rotella: Advisor for MSc in Psychology (Oct 2015), PhD (in progress)  
Sandeep Mishra: Postdoctoral Advisor in Psychology (2011-2012)  
Jillian O'Connor: Postdoctoral Advisor in Psychology (2015-present)  
Stéphan Debove: External Examiner on PhD thesis (Oct 2015), ENS, Paris

## Invited Guest Lectures:

Barclay, P. (2013, 2015). *Biological Markets and the Evolution of Human Cooperation*. Invited guest lecture in “Experimental Economics” (graduate course) in the Department of Economics, University of Guelph, March 2013, 2015.

Barclay, P. (2009, 2011, 2012). *Human Mating, Conflict, and Cooperation* (multiple lectures). Invited lectures in “Introduction to Behavior” in the Department of Neurobiology & Behavior, Cornell University, Novembers 2009, 2011, & 2012.

Barclay, P. (2009). *Introduction to Evolutionary Psychology*. Invited guest lecture in “Science and Society” in the Bachelor of Arts and Sciences Program, University of Guelph, November 2009.

Barclay, P. (2009, 2010). *Human cooperation & punishment*. Invited guest lecture in “Evolution & Human Behaviour” in the Department of Psychology, McMaster University, July 2009, October 2010.

Barclay, P. (2007, 2008, 2009). *Violence and aggression: a sociobiological perspective*. Invited guest lecture in “Global Conflict and Terrorism”, Department of Developmental Sociology, Cornell University, February 2007 and repeated in 2008 & 2009, Ithaca, NY.

## Teaching Assistantships:

I was a teaching assistant for 10 courses from 2000-2005, including Animal Behaviour Laboratory (3<sup>rd</sup> year), Evolutionary Psychology (3<sup>rd</sup> year), Special Populations (3<sup>rd</sup> year), Introduction to Social Psychology (2<sup>nd</sup> year), Motivation and Emotion (3<sup>rd</sup> year), General Experimental Psychology Laboratory (3<sup>rd</sup> year), and Introduction to Animal Learning and Behaviour (2<sup>nd</sup> year)

## References:

All of these references can be contacted without consulting me first.

### Mentor at Cornell:

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### Chairman of Department 2005-2008:

Dr. Thomas Seeley  
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### Ph.D. Supervisor:

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& Behaviour\*  
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### Chairman of Current Department:

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