

Philip Pärnamets, PhD

Department of Clinical Neuroscience, Division of Psychology
Karolinska Institutet, Nobels väg 9, 171 65 Solna, Sweden
Phone: +46 733-948969
Email: philip.parnamets@ki.se

Academic Biography

- Sep 2015 - present** **Karolinska Institutet, Sweden:**
Postdoctoral research fellow with Dr. Andreas Olsson, Emotion Lab, Department of Clinical Neuroscience, Division of Psychology
- Sep 2010 - Apr 2015** **Lund University, Sweden:**
PhD Student in Cognitive Science under supervision of Dr. Petter Johansson, Prof. Christian Balkenius and Dr. Lars Hall at Lund University Cognitive Science.
PhD defended 2015-04-18, with thesis titled *Observing and manipulating preferences in time*, faculty opponent Prof. Alan Kingstone (UBC)
- Feb-Apr & Oct-Dec 2012** **University College London, UK:**
Visiting researcher in collaboration with Dr. Daniel C. Richardson.
- 2008 - 2009** **Lund University, Sweden:**
M.A. in Cognitive Science at Lund University Cognitive Science.
Thesis titled *Perceptual components in moral decision making* under the supervision of Dr. Petter Johansson and Dr. Lars Hall.
- 2004-2007** **University of York, UK:**
B.A in Politics, Philosophy, Economics, 1st class Honours.
- 2004-2007** **Lund University, Sweden:**
Courses in Sociology (60hp), Theoretical Philosophy (60hp), and, Psychology (15hp)

Additional Employment

- 2008-2010** **Lanterna Education, Sweden & UK**
Head of Tuition at small education start-up providing revision courses for the International Baccalaureate programme. Part of management team and responsible for pedagogical content, teacher recruitment and curriculum development.
- 2003-2008** **Revision Courses Europe, Sweden**
Revision course teacher, mathematics and psychology, for the International Baccalaureate programme.

Publications

In progress

- Pärnamets, P.**, von Zimmermann, J., Hall, L., Raafat, R., Chater, N., & Johansson, P. (submitted) *Collective choice blindness and preference change through choice.*
- Pärnamets, P.**, Hall, L., Strandberg, T., Balkenius, C., & Johansson, P. (submitted). *Processing differences reveal objective acceptance in a choice blindness task.*
- Strandberg, T., Sivén, D., Hall, L., Johansson, P., & **Pärnamets, P.** (submitted). *Inducing lasting attitude change through false-feedback manipulation.*
- Pärnamets, P.**, & Olsson, A. (in prep) *Mixed-valuation strategies determine gaze cue following during instrumental aversive learning.*
- Johansson, R., **Pärnamets, P.**, Bjernestedt, A., & Johansson, M. (submitted) *Pupil dilation reveals the dynamics of interference resolution during competitive memory retrieval.*
- Pärnamets, P.**, Hall, L., & Johansson, P. (in prep) *Same, same but different? Evidence accumulation across moral and non-moral domains.*
- Pärnamets, P.**, Hall, L., & Johansson, P. (in prep). *I see your dilemma: Visual attention and moral choice.*
- Strandberg, T., Björklund, F., **Pärnamets, P.**, Hall, L., & Johansson, P. (in prep) *True detector: Who detects in choice blindness task?*

Journal Articles

- Balkenius, C., Cañamero, L., **Pärnamets, P.**, Johansson, B., Butz, M.V., & Olsson, A. (2016) Outline of a sensory-motor perspective on intrinsically moral agents. *Adaptive Behavior*.
- Pärnamets, P.**, Johansson, R., Gidlöf, K. & Wallin, A. (2015) How information availability interacts with visual attention during judgment and decision tasks. *Journal of Behavioral Decision Making*, 29. 218 –231. DOI: 10.1002/bdm.1902
- Pärnamets, P.**, Johansson, P., Balkenius, C., Hall, L., Spivey, M.J. & Richardson, D.C. (2015) Biasing moral choices by exploiting the dynamics of eye gaze. *Proceedings of the National Academy of Sciences*, 112(13), 4170-4175.
- Hall, L., Strandberg, T., **Pärnamets, P.**, Lind, A., Tärning, B. & Johansson, P. (2013). How the Polls Can Be Both Spot On and Dead Wrong: Using Choice Blindness to Shift Political Attitudes and Voter Intentions. *PLoS ONE* 8(4): e60554. doi:10.1371/journal.pone.0060554

Conference Proceedings and Other Articles

- Sivén, D., Strandberg, T., Hall, L., Johansson, P., & **Pärnamets, P.** (2016). Lasting political attitude change induced by false feedback about own survey responses. In Papafragou, A., Grodner, D., Mirman, D., & Trueswell, J.C. (Eds.) (2016). *Proceedings of the 38th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- Pärnamets, P.**, Hall, L., & Johansson, P. (2015). Memory distortions resulting from a choice blindness task. In D. C. Noelle, et al., (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 1823-1828). Austin, TX : Cognitive Science Society.
- Pärnamets, P.** (2015). A fixation dependent decision model of charitable choice. *Lund University Cognitive Studies*, 161.
- Pärnamets, P.**, Balkenius, C. & Richardson, D. C. (2014). Modelling moral choice as a diffusion

process dependent on visual fixations. In Bello, P., Guarini, M., McShane, M. & Scassellati, B. (eds.) *Proceedings of the 36th Annual Conference of the Cognitive Science Society*. Cognitive Science Society, Austin, TX.

Pärnamets, P., Johansson, P., Balkenius, C., Hall, L., Spivey, M.J. & Richardson, D.C. (2013) Changing minds by tracking eyes: Dynamical systems, gaze and moral decisions. In M. Knauff, M. Pauen, N. Sebanz, and I. Wachsmuth (eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society*. Cognitive Science Society, Austin, TX.

Thesis

Pärnamets, P. (2015). Observing and influencing preferences in real time: Gaze, morality and dynamic decision-making. *Lund University Cognitive Studies*, 160. PhD thesis.

Pärnamets, P. (2009). Perceptual components in moral decision-making. *M.A. thesis*.

Awards

2016 **Social and Affective Neuroscience Society**
Poster award for poster *Interpersonal synchronisation as a mediating mechanism in vicarious fear learning* (\$200)

Vetenskaps societeten i Lund, from AB CWK Glerups Fond. Dissertation prize. (SEK 8000)

The Robert B. Glushko Prize for Outstanding Doctoral Dissertation in Cognitive Science. Awarded by the Cognitive Science Society (\$10000)

2014 **Oscar II:s Stipendium vid Lunds Universitet.**
Dissertation prize. (SEK 4600)

2013 **International Social Cognition Network (ISCON)**
Best poster award for poster *Gaze and timing influences moral choice* (\$100)

Cognitive Science Society (Robert J. Glushko and Pamela Samuelson Foundation)
Student travel grant for paper *Changing minds by tracking eyes* (\$599)

Grants

2016 **Vetenskapsrådet Internationell Postdoc (Swedish Research Council)** (SEK 3 150 000) – Principal Investigator

KI Travel Grant and Hirsch Travel Grant for Surgeons 2016 (SEK 5000)

2014 **Stiftelsen Erik och Gurli Hultengrens fond för filosofi** (SEK 8,000).

2013 **Stiftelsen Erik och Gurli Hultengrens fond för filosofi** (SEK

13,000).

Fil dr Uno Otterstedts fond för främjande av vetenskaplig undervisning (SEK 23,000). Travel grant.

2012 Makarna Ingeniör Lars Henrik Fornanders fond (SEK 8,000).
Stiftelsen Erik och Gurli Hultengrens fond för filosofi (SEK 24,000).

2011 Stiftelsen Elisabeth Rausings Minnesfond (SEK 20,000).

Invited Talks & Presentations

- Aug 2016** **Cognitive Science Society**
Dissertation prize talk: *Observing and influencing preferences in real-time*
- Feb 2016** **Delft University of Technology, Netherlands.**
Book launch colloquia (Dr. Mark Alfano): *Moral preferences*
- Karolinska Institutet, Sweden**
Open presentation (Prof Ata Ghaderi): *Eye gaze and moral choice*
- Mar 2015** **Högskolan i Kristianstad, Sweden**
Seminar presentation (Dr. Monica Bredefeldt): *Embodied cognition.*
- Feb 2014** **Cognitive & Information Sciences, UC Merced, USA.**
Lab presentation (Prof. Michael J Spivey): *Eye gaze and moral choice.*
- May 2013** **Cognitive Psychology Seminar, Department of Psychology, Lund University, Sweden.**
Seminar presentation (Prof. Sverker Sikström): *Changing minds by tracking eyes: Gaze and moral choice.*
- May 2012** **Cognitive, Perceptual & Brain Sciences, UCL, UK.**
Lab presentation (Dr. David Lagnado): *Gaze contingent decision making.*
- Department of Psychology, Brunel University, UK**
Seminar presentation (Dr Gustav Kuhn): *Eye-tracking and choice blindness: what the eyes see.*
- March 2012** **The Whitehead Lectures in Cognition, Computation and Culture, Goldsmiths, University of London, UK** (joint with Petter Johansson).
Public lecture: *Choice blindness as a tool to study self-knowledge in decision making.*
-

Conferences & Workshops

- 2017** **Social and Affective Neuroscience, New York, USA.**
Poster: *Interpersonal synchronisation as a mediating mechanism in vicarious fear learning.*
Poster: *Computational mechanisms underlying moral choices adjustment to descriptive norms.*
Poster: *Computational analysis of moral choices between racial in- and outgroup members*
- 2016** **Society for Neuroeconomics, Berlin, Germany.** Poster: *Predictive gaze cues facilitate instrumental avoidance learning.* Poster: *Same, same but different. Evidence accumulation across domains.*
Cognitive Science Conference (38th), Philadelphia, USA.
Poster: *Lasting political attitude change induced by false feedback about own response*
Social and Affective Neuroscience, New York, USA. Poster: *Predictive gaze cues facilitate instrumental avoidance learning*
- 2015** **Cognitive Science Conference (37th), Pasadena, USA.** Poster: *Memory distortions resulting from a choice blindness task*
- 2014** **Decision Making Bristol, Bristol, UK.** Talk: *Eye gaze reflects and causes moral choice.*
Cognitive Science Conference (36th), Quebec City, Canada. Talk: *Modelling moral choice as a diffusion process dependent on visual fixations.*
Society for Personality and Social Psychology 2014, Austin, Tx., USA. Poster: *Gaze and timing influences moral choice*
International Social Cognition Network 2014, Austin, Tx., USA Poster: *Gaze and timing influences moral choice. Best poster award.*
- 2013** **European Conference on Eye Movements (17th), Lund, Sweden.** Talk: *Changing minds by tracking eyes: Biasing moral decisions by interrupting gaze*
Cognitive Science Conference (35th), Berlin, Germany. Talk: *Changing minds by tracking eyes.*
Association for the Scientific Study of Consciousness (17th), San Diego, USA. Poster: *Changing minds by tracking eyes*
- 2012** **Association for the Scientific Study of Consciousness (16th), Brighton, UK.** Talk: *Objective markers of detection in choice blindness task.*
SweCog Conference (7th), Linköping, Sweden. Talk: *Choice-blindness in groups.*
- 2010** **Scandinavian Workshop on Applied Eye Tracking (5th)** Poster: *Perceptual components in moral decision making*

Supervision & Teaching

PhD students

Hellen Vergoossen . *Investigations into gender neutral pronouns and stereotypes* Stockholm University. (expected 2021)

Master student theses

- Alexander Tagesson.** *Compassion fade for asylum related decisions.* Lund University. (2017)
- Simon Jangard.** *Identifying the underlying computational and eye-gaze mechanisms of social influence on moral decisions.* Karolinska Institutet (2017)
- Tove Hensler.** *Moral choices between in and outgroup members.* Karolinska Institutet (2017)
- Kristian Tempelmans-Plat,** *Body size preference change in a choice blindness paradigm,* Utrecht University, Netherlands. (2015)
- David Sivén,** *Preference change for political judgments using choice blindness,* Lund University (2015)
- Thobias Bergström,** *Mouse tracking during a choice blindness task,* Lund University (2015)
- Amanda Bjernstedt,** *Pupil dilation and release from pro-active interference.* Lund University (2015)
- Marsha Kirichek,** *Politics and gaze contingent morality,* University College London. (2013)
- Anders Persson,** *A study in how moral judgments are related to visual distance,* Lund University. (2013)
- Morten Hougen,** *Targeting Choice Blindness; a Long Shot or Marksmanship?,* Lund University. (2013)
- Jorina von Zimmerman,** *Choice blindness in groups: on the question if four eyes see more than two,* University College London. (2012)
- Kristina Carlsson,** *Choice blindness for body size preferences,* Lund University. (2011)

Bachelor student theses

- Tobias Granwald & Hillevi Johansson Lignell,** *Building and dismantling trust: Changes in learned stereotypes for individuals and groups,* Karolinska Institutet (2016)
- Hanna Renström & Emma Schröder,** *Observer-Model synchronisation in electrodermal activity increases the strength of a conditioned response during observational fear learning,* Karolinska Institutet (2016)

Teaching

- Cognitive Processes** 15 ECTS. First year orientation in cognitive psychology, decision making and reasoning module. Psychology programme, Karolinska Institutet, Sweden. (Course convenor Prof Agneta Herlitz). *Lecturer, demonstrator.* (2017)
- Experimental psychology methods** (2PS001), 15 ECTS, First year methods course, Psychology programme, Karolinska Institutet, Sweden. (Course convenor Prof Mats Olsson). *Demonstrator.* (2016, 2017)
- Philosophy of mind & design** (EXTF75), 7.5 ECTS, Master programme, Industrial Design, LTH School of Engineering, Lund University, Sweden. *Course convenor, lecturer* (2015)
- Project course** (KOGP07), 7.5 ECTS, Master Program Cognitive Science, Lund University, Sweden. (Course convenor Dr. Annika Wallin) *Project supervisor* (2012, 2014)
- Cognition, Communication & Ethics** (EXTF55), 7.5 ECTS, B.A. Industrial Design, LTH School of Engineering, Lund University, Sweden. *Lecturer, seminar leader* (Course convenor Prof. Agneta Gulz) (2013-2017)
- Lund Eye Tracking Academy (LETA)**, 2.5 ECTS, Humanities Laboratory, Lund University, Sweden. (Course convenor Prof. Kenneth Holmqvist) *Lecturer, Demonstrator* (2011-2015)
- Critical Thinking** (FTEB05/ HTXF04:3), 7.5 ECTS, Department of Philosophy, Lund University, Sweden. *Course convenor, lecturer.* (2011-2013)
-

Organisation & Service

Conferences

Games, Interaction, Reasoning, Learning & Semantics (GIRLS), Lund, Sweden

Main organiser (together with Emmauel Genot (Lund) & Justine Jacot (Lund)) (2012-2014)

European Conference on Eye Movements (ECEM 17), Lund, Sweden.

Member of organisational committee (2013)

Reviewing

Psychological Science; Journal of Experimental Psychology: General;

PLOS One; Journal of Eye Movement Research;

Psicologica; Consciousness & Cognition;

Annals of Biomedical Engineering; Journal of Experimental Social Psychology;

Journal of Behavioral Decision Making; Cognitive Science Society.

Service

Weekly lunch colloquia organiser at the Division of Psychology, Karolinska Institutet (2016-)

Doctoral student representative to department board and committee approving PhD applications at Lund University (2014-2015).

Professional organisations

Cognitive Science Society.

Association for Psychological Science. (APS)

Social and Affective Neuroscience Society (SANS)

Society for Neuroeconomics.

Swedish Cognitive Science (SWECOG)