

Nadège Bault

✉ bault@gate.cnrs.fr

30 years old – French citizenship

Curriculum Vitae

October 2012

Address: Gate Lyon St Etienne - CNRS UMR 5824
93 Chemin des mouilles
69130 Ecully
France
☎ +33 (0)4 72 86 60 77

EDUCATION

2006-2010	PhD in Neuroscience and Cognition	Lyon1 University, France
2005-2006	Master in Cognitive Science (2 nd year) Majors « Memory, Emotion and Decision Making» obtained with distinction	Lyon2 University, France
2004-2005	Master in Cognitive Science (1 st year)	York University, Toronto, ON, Canada
2003-2004	Bachelor in Cognitive Science Obtained with distinction	Lyon2 University, France
2000-2002	Undergraduate Science degree Majors physics, chemistry, biochemistry	Lyon1 University, France

RESEARCH INTERESTS

- the neural bases of social decision making
- the formation of social tie during economics interaction
- negative social preferences, social hierarchy and competitive behaviors
- the influence of reward-based emotions on decision processes

RESEARCH EXPERIENCE

2012-present	Postdoctoral researcher <u>Location:</u> Gate Lyon Saint-Etienne, CNRS UMR 5824, France; Guest researcher, CSCA, University of Amsterdam, The Netherlands
2010-2012	Postdoctoral researcher <u>Location:</u> Cognitive Science Centre Amsterdam (CSCA); Centre for Research in Experimental Economics and Political Decision Making (CREED); University of Amsterdam, The Netherlands
2006-2010	PhD thesis <u>Location:</u> Cognitive Neuroscience Centre, CNRS, France <u>Supervision:</u> Dr. Giorgio Coricelli <u>Title of Thesis:</u> "The neural underpinnings of emotions involved in individual and social decision-making"
2005-2006	Master thesis (2 nd year) <u>Location:</u> Cognitive Neuroscience Centre, Claude Bernard Lyon1 University, France <u>Supervision :</u> Dr. Angela Sirigu and Dr. Giorgio Coricelli <u>Title of Thesis:</u> "Influence of Emotion on Decision Making during Social Interaction: Regret and Envy"

- 2004-2005 Master thesis (1st year)
Location: York University, Toronto, ON, Canada
Supervision: Pr. Janice Johnson
Title of Thesis: "The Mozart Effect : An Attentional Explanation"
- 2003-2004 Bachelor research project
Location: Laboratoire des mécanismes cognitifs, Lyon2 University
Supervision: Dr. Rémi Versace
Title of Thesis: « Influence du contenu émotionnel sur la perception d'une illusion d'optique »
- June-July 2003 Research Assistant
Location: Sensory Neurosciences, Behavior and Cognition Laboratory, CNRS UMR 5020
Supervision: Dr. Catherine Rouby
project : Odors perception and recognition

PUBLICATIONS

Peer-reviewed articles

- Simioni, S., Schlupe, M., **Bault, N.**, Coricelli, G., Kleeberg, J., Du Pasquier, R., Gschwind, M., Vuilleumier, P., Annoni, J.M. (2012). Impaired decision making under risk conditions without abnormal risk seeking in multiple sclerosis. *PLoS ONE*.
- Bault, N.**, Joffily, M., Rustichini, A., and Coricelli, G. (2011). Medial prefrontal cortex and striatum mediate the influence of social comparison on the decision process. *Proceedings of the National Academy of Sciences USA*, 108, 16044-16049.
- Burnett, S., **Bault, N.**, Coricelli, G., and Blakemore S.J. (2010). Adolescents' heightened risk-seeking in a probabilistic gambling task. *Cognitive Development*, 25, p. 183-196.
- Bault, N.**, Coricelli, G., and Rustichini, A. (2008). Interdependent utilities: How social ranking affect choice behavior. *PLoS ONE*, 3(10): e3477.
- Ambrosino, A., **Bault, N.**, and Coricelli, C. (2008). Neural foundation of regret-based decision making. *Revue d'Economie Politique*, 118, p. 62-73.

Forthcoming

- Bault, N.**, di Pellegrino, G., Opolczynski, G., Monti, A., Thibaut, F., Rustichini, A., and Coricelli, G. (under revision). Neuroanatomical dissociation between regret and envy.
- Bault, N.**, Pelloux B., Fahrenfort J., Ridderinkhof K.R., and van Winden F.A.A.M. (in preparation). Neural underpinnings of dynamic social ties formation in a public good game
- Pelloux, B., **Bault, N.**, Fahrenfort, J., Ridderinkhof, K.R. and van Winden, F.A.A.M. (in preparation). On the dynamic development of social ties: Model and application
- Robic, S., **Bault, N.**, Leboyer, M., Coricelli, G., and Zalla, T. (in preparation). Exploring social interactions in adults with high-functioning autism.

Book chapter

- Sescousse, G., **Bault, N.**, and Chambon, V. (2011). Chocolat, sexe et argent : comment le cerveau représente-t-il les récompenses? In Bault, N. et al (Eds.), *La notion de représentation en science cognitive*, Paris : De boeck université.

SCIENTIFIC COMMUNICATIONS

Invited talks

Bault, N. (2010). Outperforming others is more rewarding than succeeding alone: the neural basis of human competitive behavior. CREED, University of Amsterdam

Bault, N., Coricelli, G., and Rustichini, A. (2007). Choice with Regret and Envy. Symposium on Emotions and Decision Making, *Bari, Italy*.

Talks

Bault, N., Pelloux, B., Ridderinkhof, K.R., Fahrenfort, J. and van Winden F.A.A.M. (2011). Neural Underpinnings of Dynamic Social Tie Formation in a Public Good Game. Society for Neuroeconomics, Evanston, IL, USA.

Bault, N., and Coricelli, G. (2008). Neural correlates of social competitive emotions. Society for Neuroscience's 38th annual meeting, *Washington, DC, USA*.

Bault, N., Coricelli, G., and Rustichini, A. (2007). Choice with Regret and Envy. Conference of the French Economic Association on Behavioral Economics and Experiments, *Lyon, France*.

Posters

Bault, N., Pelloux, B., Ridderinkhof, K.R., Fahrenfort, J. and van Winden F.A.A.M. (2011). Neural Underpinnings of Dynamic Social Tie Formation in a Public Good Game. Symposium on the Social Brain, *Bruxelle, Belgium*.

Bault, N., di Pellegrino, G., Opolczynski, G., Monti, A., Thibaut, F., Rustichini, A., and Coricelli, G. (2011). Neuroanatomical dissociation between regret and envy. Society for Neuroeconomics, Evanston, IL, USA.

Bault, N., Joffily, M., Rustichini, A., and Coricelli, G. (2009). Medial prefrontal cortex mediates the competitive component of social decision making. Society for Neuroeconomics, *Evanston, IL, USA*

Bault, N., Joffily, M., Rustichini, A., and Coricelli, G. (2009). Medial prefrontal cortex mediates the competitive component of social decision making. Organisation for Human Brain Mapping, *San Francisco, CA, USA*

Bault, N., Joffily, M., Thibaut, F., Rustichini, A., Sirigu, A., and Coricelli, G. (2008). Neuroanatomical dissociation between regret and envy. 26th European Workshop on Cognitive Neuropsychology. *Bressanone, Italy*.

TEACHING AND TUTORIAL ACTIVITIES

Tutor at the Summer School in Neuroeconomics (2010), University of Amsterdam

Introduction to neuroscience, neuroeconomics master program, University of Amsterdam (2012)

Theses supervision:

Maximilian Hoyer (2012-) PhD in economics, University of Amsterdam - co supervisor

Andrew Sutjahjo (2011-2012) Master in cognitive science, University of Amsterdam

Maximilian Hoyer (2011-2012) MPhil in economics, University of Amsterdam

Ben Loerakker (2011-2012) MPhil in economics, University of Amsterdam

Bram Mans (2011-2012) Master in economics, University of Amsterdam

David de Wilde (2011) Bachelor in economics, University of Amsterdam

Laurence de Rooij (2011) Bachelor in economics, University of Amsterdam

Suzanne Robic (2009-2010) Master in neuroscience, Lyon1 University

Manon Bourgeois (2009-2010) Master in physiology and neuroscience, Lyon1 University

Floriane Bault (2009-2010) Bachelor in cognitive psychology, Lyon2 University

Marina Casanova (2008-2009) Master in cognitive science, Lyon2 University

FELLOWSHIPS AND AWARDS

2010	Fondation pour la recherche médicale - 6 months grant
2009	Lyon1 University travel award
2007	Computational Cognitive Neuroscience (SfN-CCN) travel award
2005-2006	French Education Ministry MSc fellowship
2004-2005	CROUS and Rhone-Alpes Region exchange program grants

OTHER INTERESTS AND ACTIVITIES

Editorial	Bault, N. et al (Eds.), La notion de représentation en science cognitive, Paris : De boeck université.
Ad hoc reviewer	Plos one, Neuroscience
Organisation of conferences and meetings	Member of organising committee for a three day conference for young researchers in Cognitive Science which took place in Lyon in May 2007. Organisation of decision-making lectures and meetings, University of Amsterdam

REFEREES

Dr. Giorgio Coricelli

Ph.D. Supervisor
GATE Lyon St Etienne
CNRS UMR 5824, Université de Lyon
93 Chemin des mouilles
69130 Ecully (France)
☎ +(33) (0) 4 72 86 60 60
✉ coricell@usc.edu

Pr. Aldo Rustichini

Co-author
Department of Economics
University of Minnesota
Minneapolis, Minnesota, USA
☎ (612) 625-4816
✉ arust@econ.umn.edu

Pr. Frans van Winden

Postdoc Supervisor
CREED, University of Amsterdam
Roetersstraat 11
1018 WB Amsterdam
The Netherlands
☎ +3120 5254126(secr.)/5254251
✉ f.a.a.m.vanwinden@uva.nl

Pr. K. Richard Ridderinkhof

Postdoc Supervisor
University of Amsterdam, dept. of Psychology
Roetersstraat 15
1018 WB Amsterdam
The Netherlands
☎ +31205256119/ +31205256830
✉ K.R.Ridderinkhof@uva.nl