

AGNIESZKA ANNA TYMULA

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CURRENT POSITION

- May 2017 - Associate Professor
School of Economics, University of Sydney
- May 2017 Associate
Behavioural Insights for Business and Policy network at UNSW
- Jan. 2014 - Visiting Affiliated Faculty
Institute for the Study of Decision Making, New York University
- Sept. 2014 - Fellow
Australian Research Council Centre of Excellence for Children and Families over the Life Course
- Nov. 2015 - Fellow
Charles Perkins Centre, Economics of Human Development research node, University of Sydney

PREVIOUS POSITIONS

- 2016-2017 Senior Lecturer, School of Economics, University of Sydney
- 2013-2015 Lecturer, School of Economics, University of Sydney
- 2010-2013 AXA Post-Doctoral Fellow, Center for Neuroeconomics, New York University
- 2006-2008 Visiting Research Fellow, Economics Department, Northwestern University

EDUCATION

- 2003 – 2009 Ph.D. in Economics, Bocconi University
- 2003 - 2004 M.A. in Economics, Bocconi University

RESEARCH INTERESTS

Neuroeconomics, Experimental Economics, Behavioral Economics, Microeconomic Theory

PUBLISHED PAPERS

- Hui-Kuan Chung, Paul Glimcher and **Agnieszka Tymula**. forthcoming. "An Experimental Comparison of Risky and Riskless Choice – Limitations of Prospect Theory and Expected Utility Theory", *American Economic Journal: Micro*, forthcoming
- Agnieszka Tymula** and Jackson Whitehair. 2018. "Young adults gamble less when observed by peers", *Journal of Economic Psychology*, 68:1-15, October 2018
- Agnieszka Tymula** and Paul W. Glimcher (2018). How are emotions integrated into choice? In Davidson, Shackman, Fox, and Lapate (Eds.) *The Nature of Emotion*, 2nd Edition. Oxford University Press
- Hiroshi Yamada, Kenway Louie, **Agnieszka Tymula** and Paul Glimcher. 2018. "Free choice shapes normalized value signals in medial orbitofrontal cortex", *Nature Communications*, 9(1):162, January 2018
- Hui-Kuan Chung, **Agnieszka Tymula** and Paul Glimcher. 2017. "The reduction in ventrolateral prefrontal cortex grey matter volume correlates with loss of economic rationality in aging", *Journal of Neuroscience*, 37(49), 12068-12077, December 2017
- Paul Glimcher and **Agnieszka Tymula**. 2017. Let the Sunshine in? The effects of Luminance on Economic Preferences and Rationality. *PLoS ONE*, 12(8): e0181112, August 2017

Agnieszka Tymula. 2017. Tolerance for Ambiguity. In Moghaddam F.M. (Ed.) *The SAGE Encyclopedia of Political Behavior*, SAGE Publications, Thousand Oaks CA

Agnieszka Tymula. 2017. Competitive Screening of Heterogeneous Labor Force and Corporate Teamwork Attitude. *Journal of Institutional and Theoretical Economics*, 173(3), 523-547, September 2017

Michael Grubb, **Agnieszka Tymula**, Sharon Gilaie-Dotan, Paul Glimcher, Ifat Levy. 2016. Neuroanatomy accounts for age-related changes in risk preferences. *Nature Communications*, 7, December 2016

Agnieszka Tymula and Hilke Plassmann. 2016. Context-dependency in valuation. *Current Opinion in Neurobiology*, Volume 40, October 2016, p. 59-65

Agnieszka Tymula, Eva Woelbert and Paul Glimcher. 2016. Flexible Valuations for Consumer Goods as Measured by the Becker-DeGroot-Marschak Mechanism. *Journal of Neuroscience, Psychology, and Economics*, Volume 9(2), June 2016, p.65-77.

Agnieszka Tymula and Paul Glimcher. 2015. "Are Adolescents Really Risk-Takers? Most Adults Say YES, but the Science is Starting to Say NO". *Frontiers for Young Minds*, 3:3, doi: 10.3389/frym.2015.00003

Sharon Gilaie-Dotan⁺, **Agnieszka Tymula**⁺, Nicole Cooper, Joseph Kable, Paul Glimcher and Ifat Levy. 2014. "Neuroanatomy predicts individual risk attitudes". *Journal of Neuroscience*, Volume 34, Number 37, September 10, 1014(+shared first author, featured article)

Agnieszka Tymula, Lior A. Rosenberg Belmaker, Lital Ruderman, Paul W. Glimcher, Ifat Levy. 2013. Like Cognitive Function, Decision-Making Across the Lifespan Shows Profound Age-Related Changes. *Proceedings of the National Academy of Sciences*, Volume 110, Number 42, October 15, 2013

Hiroshi Yamada⁺, **Agnieszka Tymula**⁺, Kenway Louie, Paul W. Glimcher. 2013. Thirst-dependent Risk Preferences in Monkeys Identify a Primitive Form of Wealth. *Proceedings of the National Academy of Sciences*, Volume 110, Number 39, September 24, 2013 (+shared first author)

Jens Großer and Ernesto Reuben, **Agnieszka Tymula**. 2013. "Political Quid Pro Quo Agreements: An Experimental Study". *American Journal of Political Science*, Volume 57, Number 3, July 2013, p. 582-597

Agnieszka Tymula⁺, Lior Rosenberg Belmaker⁺, Amy Roy, Lital Ruderman, Kirk Manson, Paul W. Glimcher and Ifat Levy. 2012. "Adolescents' Risk-Taking Behavior is Driven by Tolerance to Ambiguity". *Proceedings of the National Academy of Sciences* 109 (42), October 2012, p. 17135-17140 (+ shared first author)

Ifat Levy, Lior Rosenberg-Belmaker, Kirk Manson, **Agnieszka Tymula** and Paul W. Glimcher. 2012. "Measuring the Subjective Value of Risky and Ambiguous Options Using Experimental Economics and Functional MRI Methods". *Journal of Visualized Experiments* (67), September 2012

Camelia Kuhnen and **Agnieszka Tymula**. 2012. "Feedback, Self-Esteem and Performance in Organizations". *Management Science*, 58 (1), January 2012, p. 94-113

WORKING PAPERS UNDER REVIEW

Antonio Rosato and **Agnieszka Tymula**. 2016. "Loss Aversion and Competition in Vickrey Auctions: Money Ain't No Good", *r&r at Games and Economic Behaviour*

Paul Glimcher and **Agnieszka Tymula**. 2017. "Expected Subjective Theory (ESVT): A Representation of Decision Under Risk and Certainty"

Angé Weinrabe, Hui-Kuan Chung, **Agnieszka Tymula**, Ian. B. Hickie. 2018. “Economic Rationality in Youth with Emerging Mood Disorders: Evaluating the Impact of Dis-regulated Emotion in Adolescents using Economic Decision-Making Tools”

Emma Antrobus, Victorai Baranov, Deborah Cobb-Clark, Lorraine Mazerolle, **Agnieszka Tymula**. 2018. “The Risk and Time Preferences of Young Truants and Their Parents”

Agnieszka Tymula. 2018. “Adolescents are more impatient and inconsistent, not more risk-taking, when observed by peers – a comprehensive study of adolescent behavior under peer observation”

OTHER WRITING AND NON-TRADITIONAL RESEARCH OUTPUT

Agnieszka Tymula. 2016. Financial gamble? My brain made me do it. *The Conversation*.

The money or the box. 2016. A story on neuroeconomics for *Sydney Alumni Magazine Heritage*, July 2016, p 8-9

Agnieszka Tymula and Paul Glimcher. 2015. Are Adolescents Really Risk-Takers? Most Adults Say YES, but the Science is Starting to Say NO. *Frontiers for Young Minds*, 3:3, doi: 10.3389/frym.2015.00003

- featured on *Scientific American Blog Network*

- written for the Young Minds of the 2014 USA Science and Engineering Festival

After Phrenology: Neural Reuse and the Interactive Brain, Michael L. Anderson. The MIT Press, Cambridge, MA, USA (2014) in *Journal of Economic Psychology*, Volume 51, December 2015, p. 279–280

Agnieszka Tymula. 2014. Explainer: neuroeconomics, where science and economics meet. *The Conversation*.

Museum of the National Academy of Sciences, Washington DC – designed an interactive exhibit on decision-making under risk to be a part of the Life Lab: Aging exhibit (in the museum since April 2012)

AWARDS, HONORS, FELLOWSHIPS AND GRANTS

Board Member of the Society for Neuroeconomics, 2018-2021

University of Sydney Faculty Research Support Scheme, 2018 (\$8,000)

University of Sydney Bridging Support Grant, 2018 (\$30,000)

Society for Neuroeconomics Early Career Award for Contributions to Understanding Decision-Making, 2017

University of Sydney Faculty Research Support Scheme, 2016 (\$21,827.95)

Linkage grant, Australian Research Council (partner: Sydney Opera House), 2016-2019 (\$293,000)

LCC (Australian Research Council Centre for Research Excellence) Capacity Building Grant, 2015 (\$30,000)

Discovery Early Career Researcher Award, Australian Research Council, 2015-2017 (\$378,000; 14% success rate)

Deans Citation for Outstanding Student Feedback for Teaching, 2014, University of Sydney

Science of Philanthropy Initiative Partnership Award with the Sydney Opera House, 2014 (from the University of Chicago and Templeton Foundation)

Faculty Incubator Grant, University of Sydney, 2014 (\$4,900)

Sloan Foundation Conference Grant

AXA Insurance Group Post-Doctoral Fellowship, 2012-2013; 2 year, full support fellowship (EUR 120,000; 7% success rate)

Dissertation Completion Grant, Bocconi University, 2007-2008

Summer Institute in Behavioral Economics Grant, Trento, Italy, 2006 (sponsored by the Russell Sage Foundation’s Behavioral Economics Roundtable and University of Trento)

Ph.D. Fellowship, Bocconi University 2004-2006

Fondazione Invernizzi scholarship, Bocconi University, 2003-2004

Erasmus/Socrates scholarship, Copenhagen Business School, Denmark, 2001

University of Gdansk scholarship granted each year for academic excellence, 1998-2003

KEYNOTE/PLENARY TALKS

- Nov. 2018 Australia New Zealand Workshop in Experimental Economics, Auckland, New Zealand
- Sep. 2018 13th Nordic Conference in Behavioral and Experimental Economics, Odense, Denmark
- Apr. 2018 Virginia Tech University Public Lecture at the Workshop on Advances in Decision Theory
- Feb. 2018 Workshop on Neuroeconomics, Queensland University of Technology, Brisbane, Australia
- Feb. 2018 Tutorial on Neuroeconomics at the Society for Experimental Finance Meeting, Brisbane
- Sep. 2017 European Economic Science Association Annual Meeting, Vienna, Austria

INVITED CONFERENCE AND SEMINAR PRESENTATIONS

- Nov. 2018 New York University in Abu Dhabi, seminar talk
- Aug. 2018 Australian National University, seminar talk
- Aug. 2018 Inaugural Behavioural Lab Conference, University of Technology Sydney
- July. 2018 Society for Longitudinal and Life Course Studies Symposium invited session on "Health and wellbeing across the life course", Milan, Italy
- Jul. 2018 Sloan Nomis Workshop on the Cognitive Foundations of Economic Behavior, Switzerland
- Jun. 2018 Economic Science Association World Meeting in Berlin
- Jun. 2018 Foundations of Utility and Risk at University of York
- Jun. 2018 Workshop on Stochastic Choice at the Barcelona GSE Summer Forum
- May 2018 Biology and Economics workshop, Simon Fraser University, Vancouver, Canada (invitation only)
- Apr. 2018 Virginia Tech Workshop on Advances in Decision Theory, US (invitation only)
- Feb. 2018 Asia Pacific Economic Science Association Meeting, Brisbane
- 2017 Behavioural Insights Unit, NSW Government, Sydney, Australia; Society for Neuroeconomics Annual Meeting, Toronto, Canada; SABE conference, Newcastle; Monash University (Biomedicine Discovery Institute Seminar Series); University of Southern California, US; Caltech, US; Virginia Tech, US
- 2016 BizLab Workshop, UNSW, Sydney, Australia (invitation only); Toulouse University, France; Maastricht University, Netherlands; International Economic Science Association Meeting, Bergen, Norway; University of Zurich, Switzerland; Annual Meeting of the Society for Neuroeconomics, Berlin, Germany; EEA-ESEM Meeting, Geneva, Switzerland; The Australasian Meeting of the Econometric Society, Sydney, Australia; Foundations of Utility and Risk, Warwick, UK; Melbourne University, Melbourne, Australia; Neuroeconomics Colloquium, New York University, Shanghai; Economics and Biology of Contests Conference, QUT Brisbane, Australia; 7th Workshop on the Economics of Health and Wellbeing, Hepburn Springs, Victoria; NYU Global Network Experimental Social Sciences Workshop, Abu Dhabi
- 2015 Australia-New Zealand Workshop on Experimental Economics, Hobart, Australia; Monash University, Melbourne, Australia; North America Economic Science Association Meeting, Dallas, TX; Annual Conference on Neuroeconomics: Decision Making and the Brain, Miami, FL; The Biological Basis of Preferences and Strategic Behavior, Vancouver, Canada; University of Sydney, Psychology Colloquium ; 6th Workshop on the Economics of Health and Wellbeing, Yarra Glen, Australia
- 2014 Annual Conference on Neuroeconomics: Decision Making and the Brain, Miami, FL; Foundations of Utility and Risk, Rotterdam, Netherlands; Queensland University of Technology, Brisbane, Australia; University of Melbourne, Melbourne, Australia; Asia-Pacific ESA Conference, Auckland, New Zealand
- 2013 Annual Conference on Neuroeconomics: Decision Making and the Brain, Lausanne, Switzerland; Sackler Institute, Cornell University, New York, NY; The Sixth Annual NYU-CESSE Experimental Political Science, New York, NY; Toulouse School of Economics; University of Amsterdam; Sciences Po; University of Bonn; Kellogg School of Management; Krannert School of Management at Purdue University; University of New South Wales; University of Sydney

2012 University of Cologne, Germany; 2012 North-American ESA Conference, Tucson, AZ; Society for Neuroscience Annual Meeting, New Orleans, LA; Annual Conference on Neuroeconomics: Decision Making and the Brain, Miami, FL; Academy of Behavioral Finance & Economics, New York, NY; Foundations and Applications of Utility, Risk and Decision Theory Meeting, Atlanta, GA; International ESA Meeting, New York, NY; George Mason University, VA; John Dickhaut Memorial Conference, Chapman University, CA

2011 AWI Workshop on “Behavioral Economics and Life-span Changes in Decision Making”; 2011 North-American ESA Conference, Tucson, AZ; Annual Conference on Neuroeconomics: Decision Making and the Brain, Evanston, IL; International ESA Meeting, Chicago, IL

2010 LUISS Guido Carli University, Rome, Italy; New York University, NY

2009 University of California, Berkeley, CA

2008 NBER Behavioral Finance Meeting, Boston, MA; ASSET Annual Meeting, European University Institute, Florence, Italy; International ESA Conference, Caltech, Pasadena, CA; La Pietra-Mondragone Workshop, Florence, Italy; ESA European Meeting, Lyon, France

PUBLIC TALKS

Nov. 2017 “Why so sad? How to be happy: metrics of happiness and depression” at Outside the Square

Oct. 2016 “The science behind Cheat Days” at Raising the Bar, Sydney, NSW (20 academics in 20 bars delivered 20 thought-provoking talks)

2016 Career days at Sydney Girls High School, Sydney NSW

Nov. 2015 Young Investors Club, Sydney, NSW

Sept. 2015 “Speeding teens and gambling grannies: the surprising reasons we take risks” at Raising the Bar, Sydney, NSW (20 academics in 20 bars delivered 20 thought-provoking talks)

REFEREEING

Journals: *Econometrica*, *American Economic Review*, *Journal of Public Economics*, *Games and Economic Behavior*, *Management Science*, *Cognition*, *Experimental Economics*, *Journal of Economic Behavior and Organization*, *Scandinavian Journal of Economics*, *Labour Economics*, *Journal of Economic Science Association*, *Economic Enquiry*, *Journal of Neuroscience*, *Psychology and Economics*, *Scientific Reports*, *Social Cognitive and Affective Neuroscience*, *Frontiers in Decision Neuroscience*, *Frontiers in Psychology*, *Journal of Experimental Criminology*, *Economic Record*, *Journal of Experimental Child Psychology*

Grants: National Science Foundation (US), Swiss National Science Foundation, Australian Research Council

OTHER SERVICE TO THE ACADEMIC COMMUNITY

2019

- Society for Neuroeconomics Board

2018

- Lecturer at the Decision-Making under Risk and Uncertainty Workshop, Neuroscience School of Advanced Studies in Venice, Italy
- Society for Neuroeconomics Early Career Award Committee Member
- Co-organizer of the Behavioural and Experimental Economics and Finance Workshop, University of Sydney (keynote speakers: Mohammed Abdellaoui, Peter Bossaerts, Catherine Eckel, Keith Ericson)
- Organizer of the Workshop on the Experiments and Behavioral Interventions in Schools for academics and DoE, University of Sydney (keynote speakers: Simon Burgess and Martin Kocher)
- Program Committee for the Asia Pacific Economic Science Association Meeting

2017

- Director of the 2017 International Summer Institute for Neuroeconomics

- Co-Organizer of the Behavioral Economics: Foundations and Applied Research Workshop, University of Sydney (keynote speakers: Giorgio Coricelli, Uri Gneezy, and Graham Loomes)
- Program Committee for the Society for Neuroeconomics Annual Meeting
- Scientific Committee of the Society of the Advancement of Behavioral Economics Conference

2016

- Program Committee for the Society for Neuroeconomics Annual Meeting

2015

- Director of the NYU-Duke Institute International Summer Institute for Neuroeconomics

2014-2016

- Coordinator of the Sydney-UNSW-UTS Experimental Economics Brownbag Seminar

2014

- Panel leader at the 14th Kavli Futures Symposium: “Neuroeconomics in China and Asia: Building Interest and Capacity”

2013

- Pro bono consulting for the Behavioural Insights Team of the NSW Department of Premier and Cabinet
- Panelist at the 11th Kavli Futures Symposium: “Neuroeconomics and Urban Big Data”

2011-2012

- Mentor at the NYU Summer Undergraduate Research Program

PROFESSIONAL AFFILIATIONS

American Economic Association, Society for Neuroeconomics, Economic Science Association

TEACHING

2018-	Economics for Business Decision Making, undergraduate, University of Sydney
2016-	Economics Research Dissertation, undergraduate and master (coordinator)
2015	Bodies, Brains and Minds in Connection: Neuroeconomics, graduate, University of Sydney
2015	Director of the NYU-Duke International Summer Institute for Neuroeconomics
2013-2014	Economics for Business Decision Making, undergraduate, University of Sydney (coordinator)
2005-2006	Microeconomics, undergraduate, Bocconi University (in English)
2007	Advanced game theory, graduate, Bocconi University (in English)

SUPERVISION

Alex Berger, University of Sydney (undergraduate, Economics, in progress)
 Julie Guo, University of Sydney (Master in Economic Analysis, in progress)
 Tim Robinson, University of Sydney (undergraduate, Economics, in progress)
 Xueting Wang, University of Sydney (graduate, Economics, in progress)
 Xueting Wang, University of Sydney (Master in Economic Analysis, completed: 2017)
 Chiara Pastore, University of York (graduate, Economics, completed: 2016)
 Ange Weinrabe, University of Sydney (graduate, Brain and Mind Institute, in progress)
 Hui-Kuan Chung, New York University (graduate, Psychology, completed: 2018)
 Jackson Whitehair, University of Sydney (undergraduate, Economics, completed: 2014)
 2011-2012 mentor in the Summer Undergraduate Research Program at New York University

SELECTED MEDIA COVERAGE

2017

I gave live interview for ABC radio breakfast about my PLoS ONE publication “Let the Sunshine in? The effects of Luminance on Economic Preferences and Rationality”. This paper was also covered by / I gave interviews for ABC AM, ABC Radio Perth, Business Insider, Yahoo News, Mic, MSN UK.

2016

I gave live interview for BBC World Newsday about my publication "Neuroanatomy accounts for age-related changes in risk preferences". This paper was also covered by / I gave interviews for ABC Radio National, Huffington Post, Guardian UK, Business Insider, Science Daily, Health Canal, and Daily Mail.

2015

I talked about my work on decision-making across the lifespan for the ABC's RN Drive "It is All Academic" radio show.

My work on ambiguity tolerance across the lifespan was covered in: Fast Company, The Scientist, City A.M.

2014

My paper "Neuroanatomy predicts risk attitudes" was covered in Wall Street Journal, Economic Times, Science Daily, Daily Digest News, Medical Research, Medical Express, Headlines and Global News, Health Canal.

The Conversation: article "Explainer: neuroeconomics, where science and economics meet"

2013

My paper "Like cognitive function, decision making across the life span shows profound age-related changes" was covered in ABC Science Online, Business Insider, Health Canal, South China Morning Post, Time, myScience, Medical Research News, Medical Daily, Healthline News, Financial Standard, Spiegel, Le Figaro.

My paper "Thirst-dependent risk preferences in monkeys identify a primitive form of wealth" was covered in ABC Science Online, Businessweek, Daily Mail, Yahoo! Finance, The Atlantic, Psych.org, Salon.

2012

My paper "Adolescents' Risk Taking Behavior is Driven by Tolerance to Ambiguity" was covered in Time, LA Times, US News, NBC News, CNN, The Boston Globe, Portland Press Herald, ScienceDaily, HealthDay, WomensHealth.gov, NewsDay, LiveScience, Yahoo! News, UK BBC The Naked Scientist radio show, Radio 720 WGN The Voice of Chicago and included in Maintaining Safe Schools, a monthly publication sent to K-12 school administrators nationwide in an effort to ensure a safe learning environment in US schools.

My paper "Measuring the Subjective Value of Risky and Ambiguous Options Using Experimental Economics and Functional MRI Methods" was covered in ScienceDaily, ScienceNewsline and Medical News Today.