

CURRICULUM VITAE
Riccardo Pedersini

Contact Details

Visual Attention Laboratory
Harvard Medical School & BWH
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Research Questions

- Are judgment-based decisions different from preference-based decisions? Does uncertainty aversion influence visual judgments as it does with abstract decisions?
- How do we resolve visual ambiguity? Are we able to exploit unconscious or implicit knowledge to make better decisions? Can we influence others towards making more fair and cooperative decisions?

Academic Appointments

*Harvard Medical School &
Brigham and Women's Hospital, Boston MA*

Boston, USA
2007-Present

Postdoctoral Research Fellow

Research Sponsors: Prof. Jeremy Wolfe and Prof. Todd Horowitz.

Education

University of Padova
PhD. in Perception and Psychophysics

Padova, Italy
2004-2007

PhD Thesis: *Biased Preferences*.

Advisor: Prof. Elisabetta Xausa. External advisors: Prof. Marc Le Menestrel & Prof. Zoltan Dienes.

University of Padova & University of Amsterdam
Masters in Mathematical Psychology

Italy & The Netherlands
2002-2003

Advisor: Prof. Francesca Cristante & Prof. Peter Wakker.

University of Padova
Masters in Social and Cultural Anthropology

Padova, Italy
2001-2002

Advisors: Prof. Antonio Marazzi.

Masters Thesis: Inhibition of return in complex discrimination tasks.

Advisors: Prof. Carlo Arrigo Umiltà, Dr. Giovanni Galfano & Dr. Elena Rusconi.

Peer-Reviewed Publications

Gori S, Pedersini R & Giora E (2008). *How do painters represent motion in garments? Graphic invariants across centuries*. *Spatial Vision*, 21(3-5), 201-227.

Gori S, Giora E & Pedersini R (2008). *Perceptual multistability in figure-ground segregation using motion stimuli*. *Acta Psychologica*, 129(3), 399-409.

Book Chapters and Reviews

Pedersini R (in press). *Can we learn to choose?* [Book review of *Straight Choices: The Psychology Of Decision Making*. By Newell BR, Lagnado DA & Shanks DR. Hove, UK: Psychology Press, 2007]. *Journal of Behavioral Decision Making*.

Howe PD, Evans K, Pedersini R, Cohen M, Horowitz TS, Wolfe JM. (2009). *Attention: Selective Attention and Consciousness*. In WP Banks (ed.), *Encyclopedia of Consciousness*. Amsterdam: Elsevier.

Gori S, Pedersini R & Giora E (2008). *How do painters represent motion in garments?* In Pinna B (ed.), *Art and Perception: Towards A Visual Science Of Art*, Part 2. Boston MA: Brill.

Manuscripts Under Review or in Preparation

Pedersini R, Le Menestrel M & Nagel R (submitted). *Tip pooling: can a rule without enforcement promote fairness?*

Reijner E, Pedersini R, Pinto Y, Horowitz TS & Wolfe JM (under review). *Pre-attentive processing of occlusion information in visual search*.

Evans K, Horowitz TS, Howe PD, Pedersini R, Reijner E, Pinto Y, Kuzmova Y & Wolfe JM (submitted). *Visual Attention*. *WIREs Cognitive Science*.

Pedersini R & Dienes Z (in preparation). *Conscious and unconscious decisions: somatic markers in an artificial grammar learning task*.

Pedersini R, Navalpakkam V, Van Wert M, Horowitz TS & Wolfe JM (in preparation). *Expected value maximization in visual search*.

Pedersini R, Morovan C, Horowitz TS & Wolfe JM (in preparation). *Optimal quitting time in visual search*.

Micko HC, Oravecs Z, Pedersini R & Wilderjans T (in preparation). *Tit for Tat Coalitions in 4-Person Prisoner's Dilemma Games: Efficiency as Function of Coalition Size and Payoff Structure*.

Selected Conference Presentations

Pedersini R, Navalpakkam V, Horowitz TS & Wolfe JM. (2009). *Repeated choices in visual search*. SPUDM, 22nd bi-annual conference of the European Association for Decision Making, Rovereto, Italy.

Pedersini R, Van Wert MJ, Horowitz TS & Wolfe JM. (2008). *Monetary reward does not cure the prevalence effect in a baggage-screening task*. 8th Annual Meeting of the Vision Sciences Society, Naples FL.

- Giora E, Gori S & Pedersini R (2007). *A synergetic model for dynamic bistable figures*. Perception, 36th European Conference on Visual Perception, Utrecht, The Netherlands.
- Le Menestrel M, Nagel R & Pedersini R (2005). *Tip pooling: can a rule without any enforcement promote fairness?* 36th European mathematical psychology meeting, Padova, Italy.
- Pedersini R & Micko HC (2005). *Conditions for the credibility and effectiveness of tit for tat coalitions in iterated n-person prisoner's dilemma games*. 11th International conference on social dilemmas, Krakow, Poland.
- Micko HC, Oravecs Z, Pedersini R & Wilderjans T (2003). *Tit for tat coalitions in 4-person PD games*. 10th International conference on social dilemmas, Marstrand, Sweden.

Awards and Fellowships

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| Marie Curie fellowship | 2006 |
| European graduate support program, Sussex University, Brighton, UK. | |
| Marie Curie fellowship | 2005 |
| European graduate support program, Universitat Pompeu Fabra, Barcelona, Spain. | |
| Graduate Fellowship of the Department of Mathematics | 2003 |
| University of Padova, Italy. | |
| Erasmus Fellowship | 1999 |
| European undergraduate support program, University of Padova, Italy. | |
| Olympiads of Mathematics | 1994 |
| Scuola Normale Superiore di Pisa, Italy. Regional winner. | |
| Olympiads of Mathematics | 1993 |
| Scuola Normale Superiore di Pisa, Italy. Regional winner. | |

Public / External Lectures

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| University of Rochester, Rochester NY, Department of Brain and Cognitive Science | 2009 |
| Royal Holloway College, London UK, Department of Economics | 2009 |
| EPFL, Lausanne, Switzerland, Laboratory of Psychophysics | 2009 |
| University of Massachusetts, Boston, Department of Psychology | 2008 |
| Harvard University, Department of Social Psychology workshop | 2007 |
| Visual Attention Lab Seminar Series, Harvard Medical School & Brigham and Women's Hospital | 2007 |
| University of Amsterdam, The Netherlands, Department of Economics | 2007 |
| Humboldt University of Berlin, Germany, Department of Psychology | 2007 |
| Royal Holloway College, London UK, Department of Psychology | 2007 |
| University College London, UK, Wellcome Trust Centre for Neuroimaging | 2006 |
| University Pompeu Fabra, Barcelona, Spain, Department of Economics and Business (3 times) | 2005-2006 |
| University of Barcelona, Spain, Department of Cognitive Science | 2006 |
| University of Trento, Italy, Department of Cognitive and education science | 2006 |

Karl-Franzens University of Graz, Austria, Department of Psychology	2005
University of Padova, Italy, Department of General and Developmental Psychology	2005
Universidad Complutense, Madrid, Spain, Department of Psychology	2004
University of Debrecen, Hungary, Madrid, Spain, Department of Psychology	2003

Teaching Experience

Guest Lecturer <i>Psychophysics of Vision</i> University of Padova, post-graduate course	2006
Lecturer / Instructor / Administration <i>Social Statistics</i> University of Padova, post-graduate course	2004
Lecturer / Instructor / Administration <i>Psychometrics</i> University of Padova, undergraduate course	2004
Lecturer / Instructor / Administration <i>Statistics</i> University of Padova, post-graduate course	2003
Lecturer / Instructor / Administration <i>Psychometrics</i> University of Padova, undergraduate course	2003
Teaching assistant <i>Environmental Psychology</i> University of Padova, post-graduate course	2002

Past and Current Collaborations

Larry Maloney & Camille Morvan Department of Psychology, Center for Neural Science New York University, New York City NY	2008-Present
Vidhya Navalpakkam Division of Biology California Institute of Technology, Pasadena CA	2007-Present
Jeremy Wolfe & Todd Horowitz Visual Attention Laboratory Harvard Medical School & Brigham and Women's Hospital, Boston MA	2007-Present
Marc Le Menestrel & Rosemarie Nagel Department of Economics and Business University Pompeu Fabra, Barcelona, Spain	2005-2007

Zoltan Dienes Department of Psychology, School of Life Sciences University of Sussex, Brighton, UK	2006
Maria Luisa Mostacciuolo Department of Biology, Division of Human Genetics University of Padova, Italy	2002
Anne Maass & Mara Cadinu Department of Development and Socialization Psychology University of Padova, Italy	2002
Carlo Arrigo Umiltà Department of General Psychology University of Padova, Italy	2000-2001
Hans Vandierendonk Department of Experimental Psychology University of Gent, Belgium	1999

Working experience

<i>Censydiam Belgium NV, Antwerpen, Belgium</i> Marketing Researcher	1999
<i>Ospedale dei Colli, Padova, Italy</i> Phenomenological group therapy with psychotic patients.	2001-2002

Clinical training

<i>Bambino Gesù Paediatric Hospital, Rome, Italy.</i> 3 rd International meeting on del(22q11.2).	2002
<i>School for Strategic Therapy, Sirmione del Garda (BS), Italy.</i> Workshop on Brief strategic therapy.	2001
<i>School of Tibetan Psychology, Asiago (VI), Italy.</i> Workshops on Tibetan psychology.	1998-2001

Further Education

<i>Karl-Franzens University of Graz, Austria.</i> EMPG: International meeting on formal modelling.	2005
<i>University of Konstanz, Germany.</i> 3 rd International summer school: Causality, uncertainty, and ignorance.	2004
<i>Department of Economics, University of Urbino, Italy.</i> 3 rd International school: Topics in nonlinear dynamics. Discrete dynamical systems and applications.	2004
<i>Politecnico di Milano, University of Milano, Italy.</i> Summer course: Paradigmatic models for the social sciences.	2004

<i>Universidad Complutense of Madrid, Spain.</i>	2004
EMPG: International meeting on formal modelling.	
<i>University of Debrecen, Hungary.</i>	2003
EMPG: International meeting on formal modelling.	

Languages

Italian	native
English	fluent
Spanish	fluent
Dutch	advanced

References

Prof. Jeremy Wolfe	00-1-617-768-8818 (work)
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Prof. Rosemarie Nagel	01-1-34-93-542-2739 (work)
Department of Economics and Business	01-1-34-93-542-1746 (fax)
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