

# STEFANIA PIGHIN

Curriculum Vitae  
(December 2023)

## Current Affiliation

Center for Mind/Brain Sciences (CIMEC), University of Trento  
Corso Bettini, n. 31, 38068, Rovereto, Italy  
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## Areas of interest

Judgment & Decision Making; Counterfactual Thinking & Mental Simulation; Probabilistic Reasoning;  
Medical Decision Making and Risk Communication.

## Research Positions

### Temporary Assistant Professor (Sep 2021 – present)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Role: Researcher type B - Recruitment field 11/E1 (General Psychology, Psychobiology and Psychometrics), academic discipline M-PSI/01 (General Psychology)

### Temporary Assistant Professor (Sep 2018 – Aug 2021)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Role: Researcher type A - Recruitment field 11/E1 (General Psychology, Psychobiology and Psychometrics), academic discipline M-PSI/01 (General Psychology)

### Postdoctoral Research Associate (Apr 2016 – Aug 2018)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Advisor: Prof. Katya Tentori

Role: Postdoctoral researcher working on children probabilistic reasoning, counterfactual thinking, medical decision making, and causal reasoning

### Postdoctoral Research Associate (Apr 2015 – Mar 2016)

University IUAV of Venice (Italy)

Advisor: Prof. Vittorio Girotto

Role: Postdoctoral researcher working on the design of new tools for medical risk communication

### Postdoctoral Research Associate (Mar 2014 – Feb 2015)

University IUAV of Venice (Italy)

Advisor: Prof. Vittorio Girotto

Role: Postdoctoral researcher working on risk and probability communication in the medical domain

### Temporary Research Position (Nov 2012 – Dec 2013)

Center for Research Mountain, Sport and Health (CeRISM) - University of Verona (Italy)

Advisor: Prof. Federico Schena

Role: Researcher working on the effect of mild hypoxia on decision making

### Postdoctoral Research Associate (Oct 2011 - Sep 2012)

Center for Research Mountain, Sport and Health (CeRISM) - University of Verona (Italy)

Advisor: Prof. Federico Schena

Role: Researcher working on decision making in adverse environments

### Postdoctoral Research Associate (Sep 2010 - Aug 2011)

Center for Research Mountain, Sport and Health (CeRISM) - University of Verona (Italy)

Advisor: Prof. Federico Schena

Role: Researcher working on decision making in adverse environments

**Postdoctoral Research Associate** (May 2009 - Aug 2010)

Centre National de la Recherche Scientifique – University of Toulouse (France)

Advisor: Prof. Jean-François Bonnefon

Role: Researcher working on probabilistic reasoning in medical decision making

## Other research experiences

**Temporary Research Fellow** (March 2004 – Apr 2009)

Department of Cognitive Sciences and Education – University of Trento (Italy)

Advisor: Prof. Lucia Savadori

Role: Researcher working on the European Project SAFE (*Special Non-Invasive Advances in Foetal and Neonatal Evaluation Network*)

**Doctoral research experience** (2005)

Psychology Department, Trinity College Dublin (Ireland)

Supervisor: Prof. Ruth Byrne

Role: Researcher working on mental simulation and post decisional counterfactual thinking

**Research internship** (2002 – 2003)

University IUAV of Venice (Italy)

Supervisor: Prof. Vittorio Girotto

Role: Researcher working on children probabilistic reasoning and on post decisional counterfactual thinking

## Academic degrees

**National Qualification for the Associate Professorship in General Psychology, Psychobiology, and Psychometrics** (11/E1) (04/2018 - 04/2024)

“Abilitazione Scientifica Nazionale” - DD n. 222/2012 - (Italy)

**PhD in Cognitive Sciences and Education** (2003 – 2006)

Department of Cognitive Sciences and Education – University of Trento (Italy)

Supervisors: Prof. Vittorio Girotto & Prof. Lucia Savadori

Thesis: “Counterfactual thoughts about experienced, observed and narrated events”

**Master Degree in Psychology** (1997 – 2003)

Department of Psychology – University of Trieste (Italy)

Supervisor: Prof. Vittorio Girotto

Thesis: “An actor-reader effect in post decisional counterfactuals”

## Involvement in funded research projects

2023-present “Boosting human wellbeing with behavioral insights”

PRIN-2022 PNRR – Substitute Principal Investigator (PI)

2023-present “Reasoning with hypotheses: Integrating logical, probabilistic, and experimental perspectives”

PRIN-2022 – Collaborator

2020-present “Migliorare la comprensione dei risultati dei test diagnostici grazie all’Intelligenza Cognitivo-Artificiale – CAI-3”

University of Trento “Covid-19”

2013-2014 “Effetto dell’esercizio fisico in ambiente freddo e ipossico sulle decisioni in condizione di rischio”

University of Trento “Universiadi 2013”

2010-2011 “Problem solving e decisione: aspetti logici, psicologici e neuroscientifici nell’ambito della giustizia penale”

Italian Ministry of University and Scientific Research

PRIN Grant RP5RNM

2003-2009 “Special Non-Invasive Advances in Foetal and Neonatal Evaluation Network”

## **Workshop and conference organization**

### **“19 Annual Conference of the Italian Association of Cognitive Science”**

International conference, Genova, Italia – 14/16 Dec 2023

### **“18 Annual Conference of the Italian Association of Cognitive Science”**

International conference, Rovereto, Italia – 15/17 Dec 2022

### **“17 Annual Conference of the Italian Association of Cognitive Science”**

International conference, Noto, Italia – 13/15 Dec 2021

### **“6th International Conference on Thinking”**

International conference, Venezia, Italia – 21/23 Aug 2008

### **“Giudizio e Decisione”**

Giornata in onore di Michel Gonzalez, Venezia, Italia – 02 Oct 2014

## **Professional memberships**

### **Scientific Boards**

2020-present: AISC – Italian Association for Cognitive Science

### **Scientific Societies**

European Association for Decision Making (EADM)

European Society for Cognitive Psychology (ESCoP)

## **Reviewing activity**

### **Ad-hoc reviewer for academic journals:**

Cognition; Journal of experimental psychology: General; Journal of experimental psychology: Memory, learning and cognition; Judgment and Decision Making; Medical Decision Making; Memory & Cognition; Organizational behavior and human decision processes; Patient Education and Counseling; Psychological Research; Quarterly Journal of Experimental Psychology; Quarterly Research for Exercise and Sport; Stress: The International Journal on the Biology of Stress

### **Reviewer for funding agency:**

The Leverhulme Trust, UK

## **Teaching experiences**

### **Professor** (2022-2023; 2023-2024; 42h)

Department of Psychology and Cognitive Science– University of Trento (Italy)

Course: “Decision-making processes and digital nudging”

### **Professor** (2021-2022; 2022-2023; 2023-2024; 42h)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Course: “Advance topics of Reasoning and Decision Making”

### **Professor** (2019-2020; 2020-2021; 2021-2022; 21h)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Course: “Foundation of Cognitive Psychology & Neuroscience II”

### **Professor** (2019-2020; 2020-2021, 13h)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Course: “Advanced Cognitive Psychology and Neuroscience”

### **Professor** (2019-2020; 2020-2021, 27h)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Course: “Advance topics of Reasoning and Decision Making”

**Professor** (2018-2019, 16h)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Course: “Foundation of Cognitive Psychology”

**Guest Lecturer** (Oct 2017, 6 h)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Course: “Psychology of Thinking”, tenured professor Katya Tentori

**Guest Lecturer** (Nov 2016, 6 h)

Center for Mind/Brain Sciences (CIMEC) – University of Trento (Italy)

Course: “Psychology of Thinking”, tenured professor Katya Tentori

**Adjunct professor** (Sep 2015 – Jun 2016, 30 h)

University IUAV of Venice (Italy)

Course: “Fundamentals of general psychology”

**Guest Lecturer** (Mar 2015, 8 h)

University IUAV of Venice (Italy)

Course: “Psychology of Thinking”, tenured professor Vittorio Girotto

**Guest Lecturer** (Nov 2014 – Dec 2014, 10 h)

University IUAV of Venice (Italy)

Course: “Fundamentals of general psychology”, tenured professor Vittorio Girotto

**Guest Lecturer** (May 2014, 6 h)

University IUAV of Venice (Italy)

Course: “Psychology of Thinking”, tenured professor Vittorio Girotto

## **Other academic services**

### **Research advisory and mentoring**

#### **Postdoctoral researchers**

Benjamin Timberlake (CIMEC, University of Trento)

#### **PhD students**

Paolo Ghin (PhD in Cognitive and Brain Sciences, University of Trento)

Thomas Chretien (PhD in Space Science and Technology, University of Trento)

Alessandro Bogani (PhD in Cognitive and Brain Sciences, University of Trento)

#### **Graduate students**

Costanza Siani (Degree in Informatics, University of Trento)

Alessia Caponio (Degree in Cognitive Science, CIMEC, University of Trento)

Gloria Berenisse Castro Davalos (Degree in Cognitive Science, CIMEC, University of Trento)

Lissi Schoenneger (Degree in Cognitive Science, CIMEC, University of Trento)

#### **Undergraduate students**

Laura Bormolini (Degree in Interfaces and communications technologies, DiPSCo, University of Trento –

Co-supervisor: Prof. Katya Tentori)

### **Doctoral Services**

#### **Member of the Executive Committee of the following PhD program**

2019 – present “Cognitive and Brain Sciences”, CIMEC, University of Trento

#### **Member of the Steering Committee of the following PhD programs**

2022 – present “Space Science and Technology”, Dottorato di Interesse Nazionale

2018 – present “Cognitive and Brain Sciences”, CIMEC, University of Trento

## Invited talks

**Pighin, S.** "Knowing you're stressed: How mild hypoxia impacts gender differences in decision making". 9th International Congress, "Mountain Sport & Health", Trento, Italia. November, 2023.

**Pighin, S.** "How to improve public interpretation of probabilistic test results: Distributive assessments of chances" presso Faculté de droit, des sciences criminelles et d'administration publique dell'Université de Lausanne, Losanna, Svizzera. April 2017.

**Pighin, S.** "Mild Hypoxia & Decision Making under Risk". Meeting "Giudizio e Decisione – Giornata in onore di Michel Gonzalez", Venezia, Italia. October, 2014.

**Pighin, S., Bonini, N., Savadori, L., Hadjichristidis, C., & Schena F.** "Mild hypoxia and Decision Making under Risk". International Workshop "Risk and Social Preferences", Trento, Italia. October, 2012.

**Pighin, S., Bonnefon, J., Savadori, L.** "Valutazione e comunicazione dei rischi nella diagnosi prenatale". Workshop: Vedere la decisione migliore, Venezia, Italia. March, 2010.

## Refereed conference

**Bogani, A., Caponio, A., Tentori, K., Timberlake, B., & Pighin, S.** – Talk – "Amplified Victim Blaming for Blameless Individuals: The Impact of Counterfactual Thinking in Younger and Older Adults". 19<sup>th</sup> Annual Conference of the Italian Association of Cognitive Science, Genova, Italy. December, 2023.

**Bogani, A., Caponio, A., Tentori, K., Timberlake, B., & Pighin, S.** – Talk – "Effects of aging and counterfactual thinking on victim blaming". XXIV Congresso dell'Associazione Italiana di Psicologia (AIP), Lucca, Italy. September, 2023.

**Savadori, L., Bogani, A., Castro Davalos, G.B., Pighin, S.** – Poster presentation – "Beyond Hypothetical Scenarios: Investigating the Influence of the 1-in-X Numerical Format on Actual Choices". Society for Judgment and Decision Making Annual Conference 2023, San Francisco, USA. November, 2023.

**Pighin, S., Bogani, A., Castro Davalos, G.B., Savadori, L.** – Talk – "Choosing between Risk and Certainty: The 1-in-X Effect on Choices". 23<sup>o</sup> Conference of the European Society for Cognitive Psychology (ESCoP), Porto, Portugal. September, 2023.

**Pighin, S., Castro Davalos, G.B., Savadori, L.** – Talk – "The format matters: The impact of the 1-in-X format on actual decisions". Subjective Probability, Utility, and Decision-Making Conference (SPUDM), Wien, Austria. July, 2023.

**Bogani, A., Tentori, K., Timberlake, B., & Pighin, S.** – Talk – "Investigating age-related differences in counterfactual curiosity". Subjective Probability, Utility, and Decision-Making Conference (SPUDM), Wien, Austria. July, 2023.

**Placi, S., Pighin, S., Mastropasqua, T., Tentori, K.** – Online Pre-conference Talk – "The development of probabilistic reasoning during preschool years". Subjective Probability, Utility, and Decision-Making Conference (SPUDM), Wien, Austria. June, 2023.

**Bogani, A., Tentori, K., Timberlake, B., & Pighin, S.** – Talk – "Counterfactual curiosity and aging". 18<sup>th</sup> Annual Conference of the Italian Association of Cognitive Science, Rovereto, Italy. December, 2022.

**Pighin, S., Castro Davalos, G.B., Savadori, L.** – Talk – "Can the 1-in-X format affect actual decisions?". AISC Midterm Conference 2022 "The affective turn in cognitive science", Parma, Italy. June, 2022.

**Bogani, A., Tentori, K., Ferrante, D., & Pighin, S.** – Talk – "To what extent does counterfactual thinking prepare us for the future?". 17<sup>th</sup> Annual Conference of the Italian Association of Cognitive Science, Noto, Italy. December, 2021.

**Pighin, S., Byrne, R. & Tentori, K.** – Talk – "“If only” counterfactual thoughts in social dilemma games". IAREP-SABE 2021 Annual Conference of the International Association for Research in Economic Psychology – Virtual Conference. July, 2021.

**Pighin, S., Byrne, R., Tentori, K.** – Poster Presentation – "Post-decisional counterfactual thinking in social

dilemma games". Subjective Probability, Utility, and Decision-Making Conference (SPUDM), Amsterdam, Netherlands. August, 2019.

**Pighin, S., Giroto, V. & Tentori, K.** – Poster presentation – "Children's quantitative Bayesian inferences". Ten years of Mind/Brain Sciences at the University of Trento, Rovereto (TN), Italia. November, 2017.

**Pighin, S., Tentori, K., & Giroto, V.** – Talk – "Children Bayesian inferences from natural frequencies & number of chances". Meeting in Memory of Vittorio Giroto, London, UK. July, 2016.

**Giroto, V., & Pighin, S.** – Talk – "Errors in diagnostic reasoning: reliable and unreliable remedies". The 9th London Reasoning Workshop. London, UK. July, 2015.

**Bonini, N., Pighin, S., Rettore, E., Savadori, S., Schena, F., Tosi, P., Zec, S.** – Talk – "Cognitive biases in the mountaineers' assessment of the avalanche risk". International Congress Mountain, Sport & Health, Rovereto (TN), Italia. December, 2013.

**Savadori, S., Pighin, S., Bonini, N., Andreozzi, L., Pellegrini, B., Schena, F.** – Talk – "Risky decisions in winter mountain sports". Winter Universiade Conference 2013, Rovereto (TN), Italia. December, 2013.

**Pighin, S., Bonini, N., Savadori, L., Hadjichristidis, C., Antonetti, T., & Schena F.** – Talk – "Deciding under Hypoxia: Increased Risk Seeking at Simulated High Altitude". International Congress Mountain, Sport & Health, Rovereto (TN), Italia. November, 2011.

**Pighin, S., Bonini, N., Savadori, L., Hadjichristidis, C., Antonetti, T., Schena F.** – Poster presentation – "Simulated Altitude and risk taking: higher reflection effect in 3000 m than on sea level". Subjective Probability, Utility, and Decision Making Conference, Kingston upon Thames, UK. August, 2011.

**Pighin, S., Bonnefon, J.F. & Savadori, L.** – Talk – "Overcoming number numbness in Prenatal Risk Communication". European Society for Risk Analysis –Annual Conference, London, UK. June, 2010.

**Savadori L., Barilli E., Pighin S.** – Talk – "Influence of the perceived severity of disease on probability sensitivity". Annual Meeting of the Society for Risk Analysis, Boston, USA. December, 2008.

**Savadori L., Barilli E., Pighin S., Siegrist M., Tyszka T., Mullet E.** – Poster presentation – "Un corso on-line di comunicazione del rischio nella diagnosi prenatale." Congresso nazionale Associazione italiana di psicologia: sezione di psicologia sperimentale, Padova, Italia. September 2008.

**Pighin S., Byrne R., Ferrante D., Gonzalez M., & Giroto V.** – Talk – "Cognitive empathy and counterfactual thinking". 6th International Conference on Thinking, Venezia, Italia. August, 2008.

**Pighin S.** –Talk – "Psychological aspects of risk assessment in NIPD". SAFE General Assembly, Tarragona, Spagna. May, 2008.

**Barilli E., Savadori L., Pighin S., Siegrist M., Tyszka T., Mullet E.** – Talk – "Risk communication aid. A free web tutorial for communicating risk in prenatal diagnosis." 20th European Congress of Obstetrics and gynecology (EBCOG) and 18th Portuguese Congress of Obstetrics and gynecology (PCOG), Lisbona, Portogallo. March, 2008.

**Savadori, L., Pighin, S., Barilli, E., Cremonesi, L., Ferrari, A., Ferrari M.** – Talk – "Comunicare il rischio clinico: quando a numeri assoluti più grandi corrispondono probabilità percepite più piccole". Congresso Annuale Associazione Italiana di Psicologia - Sezione di Psicologia Sperimentale, Rovereto, Italia. September, 2007.

**Barilli, E., Savadori, L., Pighin, S., Siegrist, M., Tyszka, T., Mullet, E.** – Poster presentation – "Come comunicare il rischio ai pazienti? Un tutorial on-line per medici, staff clinico ed educatori delle professioni sanitarie". Congresso Annuale Associazione Italiana di Psicologia - Sezione di Psicologia Sperimentale, Rovereto, Italia. September, 2007.

**Giroto, V., Pighin, S., Byrne, R., Ferrante, D. & Gonzalez. M.** – Talk – "Focussing effects in counterfactual thinking". International Meeting on Mental Models and Reasoning, Dublin, Ireland. March, 2006.

**Pighin S., Girotto V., Gonzalez, M., Savadori L. & Barilli E.** – Talk – “How to achieve a better understanding of test accuracy in prenatal diagnosis”. CNAPS - Fourth International Conference on Circulating Nucleic Acids in Plasma and Serum, London, UK. September, 2005.

**Barilli E., Savadori L., Pighin S. & Rumiati R.** – Talk – “The use of simulation heuristic to increase numerical risk comprehension”. CNAPS - Fourth International Conference on Circulating Nucleic Acids in Plasma and Serum, London, UK. September, 2005.

**Savadori L., Pighin S., Barilli E., Rumiati R. & Tentori K.** – Talk – “Using Comparison Scenarios to Increase Risk Comprehension”. SPUDM 20 - Biennial Conference on Subjective Probability, Utility and Decision Making, Stockholm, Sweden. August, 2005.

**Girotto V., Ferrante D. & Pighin S.** – Talk – “Counterfactual Decisions”. Meeting Happiness, Economics, and Interpersonal Relationships, Trento, Italia. December, 2004.

**Girotto V., Ferrante D. & Pighin S.** – Talk – “Counterfactual Decisions”. V International Conference on Thinking, Leuven, Belgio. July, 2004.

## **Publications in international peer-review journals**

**Pighin, S., Filimon, F., & Tentori, K. (in press).** “The impact of problem domain on Bayesian inferences: A systematic investigation”. *Memory & Cognition*.

**Pighin, S., Bogani, A., Davalos, G.B.C., & Savadori, L. (2023).** The effect of the 1-in-X numerical format on choices. *Journal of Behavioral Decision Making*, e2355.

**Fait, S. Pighin, S., Passerini, A., Pavani, F., & Tentori, K. (2023).** Sensory and multisensory reasoning: Is Bayesian updating modality-dependent? *Cognition*, 234, 1055355.

**Savadori, L., Tokarchuk, O., Pizzato, M., & Pighin, S. (2023).** The impact of infection risk communication format on tourism travel intentions during COVID-19. *Journal of Hospitality and Tourism Management*, 54, 65-75.

**Pighin, S., Bonini, N., Hadjichristidis, C., Schena, F., Modena, R., & Savadori, L. (2022)** Hypoxia and risk preferences: Mild hypoxia impacts choices for low-probability high-payoff bets. *Frontiers in Physiology*, 1707.

**Tentori, K., Pighin, S., Giovannazzi, G., Grignoli, A., Timberlake, B., & Ferro, A. (2022)** Nudging COVID-19 vaccine uptake by changing the default: A randomized controlled trial. *Medical Decision Making*. doi.org/10.1177/0272989X221101536

**Pighin, S., Byrne, R. & Tentori, K. (2022)** “If Only” Counterfactual thoughts about cooperative and uncooperative decisions in social dilemmas. *Thinking & Reasoning*, 1-33.

**Tentori, K., Passerini, A., Timberlake, B., & Pighin, S. (2021)** The public’s misunderstanding of vaccine efficacy. *Social Science & Medicine*, 289, 114273.

**Pighin, S., & Tentori, K. (2021).** Public’s understanding of swab test results for SARS-CoV-2: an online behavioural experiment during the April 2020 lockdown. *BMJ open*, 11(1), e043925.

**Mangiarulo, M., Pighin, S., Polonio, L., & Tentori, K. (2021).** The effect of evidential impact on perceptual probabilistic judgments. *Cognitive Science*, 45(1), e12919.

**Stephan, S., Tentori, K., Pighin, S., & Waldmann, M.R. (2021).** Interpolating Causal Mechanisms: The Paradox of Knowing More. *Journal of Experimental Psychology: General*. Doi:10.1037/xge0001016

**Pighin, S., & Tentori, K. (2021).** The challenge of mental simulation in preference-sensitive treatment decisions. *Translational behavioral medicine*, 11(1), 276-278.

**Pighin, S., Bonini, N., Hadjichristidis, C., Schena, F., & Savadori, L. (2020).** Decision making under stress: mild hypoxia leads to increased risk-taking. *Stress*, 23(3), 290-297.

**Bonini, N., Pighin, S., Rettore, E., Savadori, L., Schena, F., Tonini, S., & Tosi, P. (2019).** Overconfident people are more exposed to “black swan” events: a case study of avalanche risk. *Empirical Economics*, 57(4),

1443-1467.

**Tentori, K., Pighin, S., Divan, C., & Crupi, V. (2018).** Mind the gap: Physicians' assessment of patients' importance weights in localized prostate cancer. *Plos One*, 13(7): e0200780.

**Pighin, S., Tentori, K., Savadori, L., & Giroto, V. (2018).** Fostering the understanding of positive test results. *Annals of Behavioral Medicine*, 52, 909–919.

**Brase, G., Pighin, S., & Tentori, K. (2018).** (Yet) Another chance for good reasoning? A commentary and reply on Pighin, Tentori, and Giroto (2017). *Psychonomic Bulletin & Review*, 25, 1220–1223.

**Pighin, S., Giroto, V., & Tentori, K. (2017).** Children's quantitative Bayesian inferences from natural frequencies and number of chances. *Cognition*, 168, 164-175.

**Pighin, S., Tentori, K., & Giroto, V. (2017).** Another chance for good reasoning. *Psychonomic Bulletin & Review*, 24(6), 1995-2002.

**Pighin, S., Gonzalez, M., Savadori, L., & Giroto, V. (2016).** Natural frequencies do not foster public understanding of medical test results. *Medical Decision Making*, 36(6), 686-91.

**Pighin, S., Savadori, L., Bonini, N., Andreozzi, L., Savoldelli, A., & Schena, F. (2015).** Acute exercise increases sex differences in amateur athletes' risk taking. *International Journal of Sports Medicine*, 94(10), 858-863.

**Pighin, S., Savadori, L., Barilli, E., Galbiati, S., Smid, M., Ferrari, M., & Cremonesi, L. (2015).** Communicating Down's syndrome risk according to maternal age: "1-in-X" effect on perceived risk. *Prenatal Diagnosis*, 35(8), 777-782.

**Giroto, V., & Pighin, S. (2015).** Basic understanding of posterior probability. *Frontiers in Psychology*, 6:680.

**Pighin, S., Gonzalez, M., Savadori, L., & Giroto, V. (2015).** Improving Public Interpretation of Probabilistic Test Results: Distributive Evaluations. *Medical Decision Making*, 35(1), 12-5.

**Pighin, S., Bonini, N., Savadori, L., Hadjichristidis, C., & Schena F. (2014).** Loss aversion and hypoxia: Less loss aversion in oxygen depleted environment. *Stress*, 17(2), 204–210.

**Pighin, S., Savadori, S., Barilli, E., Rumiati, R., Bonalumi, S., Ferrari, M., Cremonesi, L. (2013).** Using comparison scenarios to improve prenatal risk communication. *Medical Decision Making*, 33(1), 48-58.

**Pighin, S., Bonini, N., Savadori, L., Hadjichristidis, C., Antonetti, T., & Schena F. (2012).** Decision making under hypoxia: Oxygen depletion increases risk seeking for losses but not for gains. *Judgment and Decision Making*, 7, 472-477.

**Pighin S., Bonnefon J.F., & Savadori L. (2011).** Overcoming number numbness in prenatal risk communication. *Prenatal Diagnosis*, 31(8), 809-13.

**Pighin S., Savadori S., Barilli E., Cremonesi L., Ferrari M., & Bonnefon J.F. (2011).** The '1 in X' effect on the subjective assessment of medical probabilities. *Medical Decision Making*, 31(5), 721-9.

**Pighin S., & Bonnefon J.F. (2011).** Facework and Uncertain Reasoning in Health Communication. *Patient Education and Counselling*, 85(2), 169-72.

**Pighin S., Byrne R.M., Ferrante D., Gonzalez M., & Giroto V. (2011).** Counterfactual Thoughts about Experienced, Observed and Narrated Events. *Thinking and Reasoning*, 17(2), 197–211.

**Barilli E., Savadori L., Pighin S., Cremonesi L., Bonalumi S., Ferrari A., & Ferrari M. (2010).** From Chance to Choice: the Use of a Visual Analogy in the Communication of Risk. *Health, Risk and Society*, 12(6), 546–559.

**Giroto, V., Ferrante, D., Pighin, S., & Gonzalez, M. (2007).** Postdecisional counterfactual thinking by actors and readers. *Psychological Science*, 28(6), 510-515.

**Manuscripts under review**



**Bogani, A., Tentori, K., Ferrante, D., & Pighin, S.** Counterfactual Thoughts in Complex Causal Domain: Content, Benefits, and Implications for Their Function. *Thinking and Reasoning*.

## Other Publications

**Bogani, A., Tentori, K., Ferrante, D., & Pighin, S. (2022).** La Funzione del Pensiero Controfattuale: Stato dell'Arte e Prospettive. *Sistemi Intelligenti*, 34(2), 253-269.

**Crupi, V., Calderisi, M., Pighin, S., Tentori, K. (2022).** Probabilità pandemiche: tre pezzi non troppo facili. *Sistemi Intelligenti*, 34(2), 329-341.

**Ugolini, C., Antonucci, D., Belleri, A., Ciolli, V., Tentori, K., & Pighin, S. (2019).** Coniugare risparmio energetico e comfort abitativo è ora possibile grazie al progetto Klimakit e al suo innovativo sistema di monitoraggio: una valida iniziativa per sostenere il mercato delle ristrutturazioni energetiche in Alto Adige. *Comfort abitativo al giusto prezzo*.

**Pighin, S. (2019).** Effetti psicologici dell'ipossia lieve: un pericolo nascosto. "Prevenzione dei sinistri in area valanghiva. Attività sportive, aspetti normativo-regolamentari e gestione del rischio." Conference Proceedings – Trento (Italy).

**Giroto, V., & Pighin, S. (2015).** Vincoli esterni e interni e scelte individuali. *Giornale Italiano di Psicologia*, 42, 135-140.

**Barilli E., Pighin S., Savadori L., Rumiati R. (2005).** Comunicare il rischio in ambito medico. "Rischi e comunicazione del rischio" Conference Proceedings – Padova (Italy).