

## PERSONAL INFORMATION

## FRANCESCA PAZZAGLIA



## RESEARCH TOPIC

Research interests: environmental psychology, restorative environments, spatial navigation, and navigability.  
She authored more than 150 (source: Google Scholar) among papers in high impact scientific journals, chapters in International books, Italian books and measurement instruments.

## WORK EXPERIENCE

22/12/2011–Present

**Professor SC 11/E1, SSD M-PSI/01, General Psychology**

Università degli Studi di Padova, Padova (Italy)

University courses taught: Environmental Psychology, General Psychology, Psychology of Memory and Learning

Scientific Research in General Psychology: environmental psychology, restorative environments, spatial cognition, navigability

01/10/2021-

**Head of the Department**

Dipartimento di Psicologia Generale

Università degli Studi di Padova, Padova (Italy)

01/11/2013–Present

**Member of the Departmental Board**

Dipartimento di Psicologia Generale

Università degli Studi di Padova, Padova (Italy)

The Board works jointly with the Head of the Department to coordinate Departmental activities and decisions

11/1/2017–Present

**Member of the University Committee for educational training of secondary school teachers**

Università degli Studi di Padova, Padova (Italy)

The Committee works jointly with the Pro-rector to coordinate educational activities for secondary teachers

2017–Present

**Director of the Master in “Psicologia Architettonica e del Paesaggio”**

Università degli Studi di Padova, Padova (Italy)

07/12/2012–30/09/2015

**Dean of the School of Psychology**

Università degli Studi di Padova, Padova (Italy)

In charge for coordination of the academic courses of the School (6 bachelor degrees and 8 master degrees)

11/11/2013–30/09/2015

**Member of the Joint Committee Teachers-Students of the School of Psychology**

Università degli Studi di Padova, Padova (Italy)

The Committee works jointly with the Dean of the School to monitor the quality of teaching activities

11/11/2013–30/09/2015

**Member of the University Committee for Teaching**

Università degli Studi di Padova, Padova (Italy)

The Commission works jointly with the Pro-rector for teaching to coordinate teaching activities

**Associate Professor SC 11/E1, SSD M-PSI/01, General Psychology**

Università degli Studi di Padova, Padova (Italy)

Training EQF level 6 to level 8

Scientific Research in General Psychology

2005–2012

**Scientific director of the “Fabio Metelli” Library of Psychology**

Università degli Studi di Padova, Padova (Italy)

23/03/1998–31/10/2001

**Assistant Professor SC 11/E1, SSD M-PSI/01, General Psychology**

Università degli Studi di Padova, Padova (Italy)

Training EQF level 6 to level 8

Scientific Research in General Psychology

**EDUCATION AND TRAINING**

01/04/1996–23/06/1996

**Visiting post-graduate student**

EQF level 8

University of Orsay, Paris (France)

Research on route directions and spatial representation

European Grant on Capital and Mobility

01/11/1991–31/10/1995

**Phd in Experimental Psychology**

EQF level 8

Università degli Studi di Padova, Padova (Italy)

Training and research on individual differences in Spatial Cognition

24/03/1984

**Master degree in Psychology**

EQF level 7

Università degli Studi di Padova, Padova (Italy)

**PERSONAL SKILLS**

Mother tongue(s)

Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**ADDITIONAL INFORMATION**

**Honours and awards**

Keynote speaker at the 7<sup>th</sup> International Conference on Spatial Cognition, Mt. Hood/Portland, OR, USA, August 15-19, 2010

Keynote speaker at the 13<sup>th</sup> German Conference on Cognitive Science - KogWIS, Bremen, Germany, September 26-30, 2016

Keynote speaker at the Invited Symposium I: Finding your way: The cognitive science of navigation. 33<sup>rd</sup> Annual Meeting of the Cognitive Science Society, Boston, MASS, USA, July 20-23, 2011

Representative of the University of Studies of Padua within the Scientific Council of CIRPA (Inter-University Research Centre in Environmental Psychology) for the three-year period starting from 1 October 2021 until October 31, 2023

**Congress organizing activity**

Member of the Scientific Committee of:

1. European Workshop on Imagery and Cognition (EWIC): EWIC2014; 2016; 2018; 2020
2. International Conference on Spatial Cognition (ICSC); ICSC2012; ICSC2015; ICSC2018

Co-chairman of the 16<sup>th</sup> European Workshop on Imagery and Cognition, Padua, Italy, June 7-9, 2018

#### Research activity in other Universities

30/7/2013-31/8/2014 Visiting scientist at the Department of Psychology, Tufts University, Bedford, MASS, USA

01/4/2017-30/06/2017 Visiting scientist at the Department of Psychology, Bournemouth University, Bournemouth, UK

**Publications:** 86 documents on Scopus, *h-index* = 29 (September 2021)

#### Publications: last 10 years

Muffato, V., Feraco, T., Miola, L., ...Pazzaglia, F., Meneghetti, C. (2021). Finding the shortest path in a familiar environment: A comparison between describing and walking a path after accounting for the role of individual factors. *Journal of Environmental Psychology*, 78,

Miola, L., Meneghetti, C., Toffalini, E., Pazzaglia, F. (2021). Environmental learning in a virtual environment: Do gender, spatial self-efficacy, and visuospatial abilities matter? *Journal of Environmental Psychology*, 78

Miola, L., Muffato, V., Meneghetti, C., Pazzaglia, F. (2021). Spatial learning in a virtual environment: The role of self-efficacy feedback and individual visuospatial factors. *Brain Sciences*, 2021, 11(9).

Murrioni, V., Cavalli, R., Basso, A., ...Melendugno, A., Pazzaglia, F. (2021). Effectiveness of therapeutic gardens for people with dementia: A systematic review. *International Journal of Environmental Research and Public Health*, 2021, 18(18).

Mirandola, C., Pazzaglia, F. (2021). Working Memory Beats Age: Evidence of the Influence of Working Memory on the Production of Children's Emotional False Memories. *Frontiers in Psychology*, 12.

Muffato, V., Miola, L., Pazzaglia, F., Meneghetti, C. (2021). Map learning in aging individuals: The role of cognitive functioning and visuospatial factors. *Brain Sciences*, 2021, 11(8).

Miola, L., Meneghetti, C., Gyselinck, V., Curcio, F.G., Pazzaglia, F. (2021). The influence of environmental context on spatial learning. Openness of the environment and spatial mental representations in the city of Venice. *Journal of Environmental Psychology*, 2021, 76.

Meneghetti, C., Pazzaglia, F. (2021). Navigating in virtual environments: Does a map or a map-based description presented beforehand help? *Brain Sciences*, 2021, 11(6).

Social distance during the covid-19 pandemic reflects perceived rather than actual risk

Iachini, T., Frassinetti, F., Ruotolo, F., ...Fornara, F., Ruggiero, G. (2021). *International Journal of Environmental Research and Public Health*, 2021, 18(11).

Meneghetti, C., Miola, L., Toffalini, E., Pastore, M., Pazzaglia, F. (2021). Learning from navigation, and tasks assessing its accuracy: The role of visuospatial abilities and wayfinding inclinations. *Journal of Environmental Psychology*, 2021, 75.

Barhorst-Cates, E.M., Meneghetti, C., Zhao, Y., Pazzaglia, F., Creem-Regehr, S.H. (2021). Effects of home environment structure on navigation preference and performance: A comparison in Veneto, Italy and Utah, USA. *Journal of Environmental Psychology*, 2021, 74.

- Meneghetti, C., Labate, E., Toffalini, E., Pazzaglia, F. (2021). Successful navigation: the influence of task goals and working memory. *Psychological Research*, 2021, 85(2), pp. 634–648
- Pazzaglia, F., Iachini, T., Meneghetti, C. (2021). Spatial text processing: are estimates of time and distance influenced by the age of characters and readers? *Psychological Research*, 85(1), pp. 259–267.
- Wiener, J.M., Pazzaglia, F. (2021). Ageing- and dementia-friendly design: theory and evidence from cognitive psychology, neuropsychology and environmental psychology can contribute to design guidelines that minimise spatial disorientation. *Cognitive Processing*.
- Meneghetti, C., Van Der Ham, I., Pazzaglia, F., Denis, M. (2020). Editorial: Wayfinding and Navigation: Strengths and Weaknesses in Atypical and Clinical Populations, *Frontiers in Human Neuroscience*, 2020, 14, 588199
- Mirandola, C., Toffalini, E., Ferruzza, E., Pazzaglia, F. (2020). The power of extraversion? Reduced false memories for positive events. *Personality and Individual Differences*, 159.
- Punzi, L., Chia, M., Cipolletta, S., (...), Zava, R., Pazzaglia, F. (2020). The role of architectural design for rheumatic patients' wellbeing: The point of view of environmental psychology, *Reumatismo*, 72(1), 60-66.
- Pazzaglia, F., Moè, A., Cipolletta, S., (...), Masiero, S., Punzi, L. (2020). Multiple dimensions of self-esteem and their relationship with health in adolescence. *International Journal of Environmental Research and Public Health*, 17(8), 2616
- Mirandola, C., Toffalini, E., Ferruzza, E., Pazzaglia, F. (2020). The power of extraversion? Reduced false memories for positive events. *Personality and Individual Differences*, 159, 109861
- Fornara, F., Lai, A.E., Bonaiuto, M., Pazzaglia, F. (2019). Residential place attachment as an adaptive strategy for coping with the reduction of spatial abilities in old age. *Frontiers in Psychology*, 10 (APR), art. No. 856
- Tizi, L., Toffalini, E., Pavan, E., Pazzaglia, F. (2019). Atmosfera percepita in due allestimenti museali in relazione a fattori ambientali e variabili cognitive, affettive e rigenerative. *Giornale Italiano di Psicologia*, 46, 959-986.
- Meneghetti, C., Labate, E., Toffalini, E., Pazzaglia, F. (2019). Successful navigation: The influence of task goals and working memory. *Psychological Research*. DOI: 10.1007/s00426-019-01270-7
- Meneghetti, C., Grimaldi, F., Nucci, M., Pazzaglia, F. (2019). Positive and Negative Wayfinding Inclinations, Choice of Navigation Aids, and How They Relate to Personality Traits. *Journal of Individual Differences*.
- Pazzaglia, F., Iachini, T., Meneghetti, C. (2019). Spatial text processing: Are estimates of time and distance influenced by the age of the characters and readers? *Psychological Research*. DOI: 10.1007/s00426-019-01248-5
- Schüler, A., Pazzaglia, F., Scheiter, K. (2019). Specifying the boundary conditions of the multimedia effect: The influence of content and its distribution between text and pictures (2019) *British Journal of Psychology*, 110 (1), pp. 126-150. DOI: 10.1111/bjop.12341
- Pazzaglia, F., Meneghetti, C., Ronconi, L. (2018). Tracing a Route and Finding a Shortcut: The Working Memory, Motivational, and Personality Factors Involved. *Frontiers in Human Neuroscience*, 12, art. no. 225, DOI: 10.3389/fnhum.2018.00225
- Fasano, F., Mitolo, M., Gardini, S., Venneri, A., Caffarra, P., Pazzaglia, F. (2018). Combining structural magnetic resonance imaging and Visuospatial tests to classify Mild Cognitive Impairment, *Journal of Alzheimer's Disease*.

Pazzaglia, F., Meneghetti, C., Labate, E., Ronconi, L. (2018). Are wayfinding self-efficacy and pleasure in exploring related to shortcut finding? A study in a virtual environment. In Barkowsky, Burte, Holscher, Schulteis (Eds). *Spatial Cognition X*, LNAI, 55-68.

Pazzaglia, F., Meneghetti, C. (2017). Acquiring spatial knowledge from different sources and perspectives: abilities, strategies and representations. In Zacks, J.M., Taylor, H.A. (Eds). *Representations in Mind and World: Essays Inspired by Barbara Tversky*. New York: Psychology Press.

Mitolo, M., Borella, E., Meneghetti, C., Carbone, E., Pazzaglia, F. (2017). How to enhance route learning and visuo-spatial working memory in aging: a training for residential care home residents. *Aging & Mental Health*, DOI: 10.1080/13607863.2015.1132673

Mitolo, M. Hamilton, J. M., Landy, K. M., Hansen, L. A., Galasko, D., Pazzaglia, F., Salmon, D. B. (2016). Visual Perceptual Organization Ability in Autopsy-Verified Dementia with Lewy Bodies and Alzheimer's Disease. *Journal of the International Neuropsychological Society*, 22(6), 609-619.

Carattin, E., Meneghetti, C., Tatano, V., Pazzaglia, F. (2016). Human navigation inside complex buildings: using instructions and maps to reach an area of refuge. *International Journal of Design Creativity and Innovation*, DOI: 10.1080/21650349.2015.1135760

Mammarella, I.C, Meneghetti, C., Pazzaglia, F. Cornoldi, C. (2015). Memory and comprehension deficits in spatial descriptions of children with non-verbal and reading disabilities. *Frontiers in Psychology*, 5, 1534, DOI: 10.3389/fpsyg.2014.01534

Mitolo, M., Gardini, S., Caffarra, P., Ronconi, L., Venneri, A., Pazzaglia, F. (2015). Relationship between spatial ability, visuospatial working memory and self-assessed spatial orientation ability: a study in older adults. *Cognitive Processing*, 16 (2), 165-176.

Meneghetti, C., Pazzaglia, F., De Beni, R. (2015). Mental representations derived from spatial descriptions: the influence of orientation specificity and visuospatial abilities. *Psychological Research*, 79 (2), 289-307.

Meneghetti, E Borella, F Pazzaglia (2015). Mental rotation training: transfer and maintenance effects on spatial abilities. *Psychological Research*, 1-15.

Meneghetti, E Labate, M Grassano, L Ronconi, F Pazzaglia (2015). The role of visuospatial and verbal abilities, styles and strategies in predicting visuospatial description accuracy. *Learning and Individual Differences*, 36, 117-123.

Meneghetti, L Ronconi, F Pazzaglia, R De Beni (2014). Spatial mental representations derived from spatial descriptions: the predicting and mediating roles of spatial preferences, strategies, and abilities. *British Journal of Psychology*, 105 (3), 295-315.

Labate, F Pazzaglia, M Hegarty (2014). What working memory subcomponents are needed in the acquisition of survey knowledge? Evidence from direction estimation and shortcut tasks *Journal of Environmental Psychology*, 37, 73-79.

Mitolo, S Gardini, P Caffarra, A Venneri, F Pazzaglia (2014). Spatial cognition in normal aging: The relationship between basic spatial abilities, spatial self-efficacy, and three new environmental ecological tests, *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 10 (4), 850.

Mammarella, C Meneghetti, F Pazzaglia, C Cornoldi (2014). Memory and comprehension deficits in spatial descriptions of children with non-verbal and reading disabilities. *Frontiers in Psychology*, 5.

Meneghetti, E Borella, V Muffato, F Pazzaglia, R De Beni (2014). Environment Learning from Spatial Descriptions: The Role of Perspective and Spatial Abilities in Young and Older Adults. *Spatial Cognition IX*, 30-45.

Pazzaglia, A Moè (2014). Cognitive styles and mental rotation ability in map learning. *Cognitive Processing*, 14 (4), 391-399.

Mammarella, E Borella, M Pastore, F Pazzaglia (2013). The structure of visuospatial memory in adulthood. *Learning and Individual Differences*, 25, 99-110.

Meneghetti, R De Beni, V Gyselinck, F Pazzaglia (2013). The joint role of spatial ability and imagery strategy in sustaining the learning of spatial descriptions under spatial interference *Learning and Individual Differences*, 24, 32-41.

Avraamides, A Galati, F Pazzaglia, C Meneghetti, M Denis (2013). Encoding and updating spatial information presented in narratives. *The Quarterly Journal of Experimental Psychology*, 66 (4), 642-670.

Brunyé, E Andonova, C Meneghetti, ML Noordzij, F Pazzaglia, ... (2013). Planning routes around the world: International evidence for southern route preferences *Journal of Environmental Psychology*, 32 (4), 297-304.

Mitolo, S Gardini, F Fasano, G Crisi, A Pelosi, F Pazzaglia, P Caffarra (2013). Visuospatial memory and neuroimaging correlates in mild cognitive impairment. *Journal of Alzheimer's disease: JAD*, 35 (1), 75-90.

Mitolo, S Gardini, F Fasano, F Dieci, S Copelli, L Concari, F Pazzaglia (2012). Neuroimaging correlates of spatial decline in mild cognitive impairment, *Alzheimer's & Dementia*, 8 (4), 365-366.

Pazzaglia (2012). What factors affect spatial learning? How abilities, strategies and tasks interact in the construction of spatial mental models from different sources. *International Journal of Psychology*,

Pazzaglia, V Gyselinck, C Cornoldi, R De Beni (2012). Individual differences in spatial text processing. In Gyselinck, F. Pazzaglia (2012, Eds). *From Mental Imagery to Spatial Cognition and Language: Essays in Honour of Michel Denis*, Psychology Press.

Meneghetti, F Pazzaglia, R De Beni (2012). The mental representation derived from spatial descriptions is north-up oriented: the role of visuo-spatial abilities. *Spatial Cognition VIII*, 262-278.

Gyselinck, F. Pazzaglia (2012, Eds). *From Mental Imagery to Spatial Cognition and Language: Essays in Honour of Michel Denis*, Psychology Press.

Meneghetti, R De Beni, F Pazzaglia, V Gyselinck (2012). The role of visuo-spatial abilities in recall of spatial descriptions: a mediation model. *Learning and Individual Differences*, 21 (6), 719-723.

#### Recently funded research projects

2020

“VERDE E BENESSERE NELL’ALZHEIMER. VERSO UN MODELLO DI GIARDINO TERAPEUTICO CENTRATO SULL’INTERAZIONE LUOGO-PERSONA

UNI-IMPRESA 2019, Università degli Studi di Padova

Principal Investigator

Euros 44.500

2020

“VISIONARY NATURE BASED ACTIONS FOR HEALTH, WELLBEING & RESILIENCE IN CITIES (VARCITIES)”

Horizon 2020 – Call: H2020-SC5-2018-2020 – Greening the economy in line with Sustainable Development Goals

Participant

Total Grant: Euros 10.115.000

Università degli Studi di Padova: Euros 693.750

2020

GREEN NOT GRAY: EXPOSURE TO NATURE AS A RESOURCE FOR STUDENTS'  
SCHOOL PERFORMANCE AND EMOTIONAL WELL-BEING

Università di Padova-BIRD205818

Participant

Total Grant: Euros 15.000

2019

“MULTISENSORY INVESTIGATION FOR ELDERLY-CENTRED DESIGN OF COMMON  
LIVING URBAN ENVIRONMENTS”

Programma VALERE 2019

Università della Campania Vanvitelli

Participant

### Commissions of trust

#### Editorial activity

Associate Editor for Frontiers in Psychology - section: Environmental Psychology

Associate Editor for Spatial Cognition & Computation

Editorial Board member of the International Journal of Environmental Research and Public Health

Research Topic Frontiers in Human Neuroscience “Wayfinding and Navigation: Strengths and weaknesses in atypical and clinical population”

Ad hoc reviewer for: Applied Cognitive Psychology, Behavioral Sciences, Brain and Cognition, Brain Research, British Journal of Psychology, Cognitive Processing, Journal of Cognitive Psychology, Experimental Psychology, Frontiers in Psychology, Journal of Personality and Social Psychology, Journal of Experimental Psychology: Learning, Memory & Cognition, Journal of Spatial Science, Learning & Individual Differences, Memory, Psychological Research, PlosOne, Quarterly Journal of Experimental Psychology, Journal of Environmental Psychology

#### Scientific evaluation

Israeli Science Foundation

Italian Ministry of Research – Ministero dell’Istruzione, dell’Università e della Ricerca (MIUR)

Swiss National Science Foundation (SNSF)

Portuguese Ministry of Science, Technology and Higher Education (FCT)