

ARIANNA BAGNIS

Curriculum Vitae

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PERSONAL INFORMATION



25/10/1989, Acqui Terme (AL)



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CURRENT POSITION

2024 | Post-doctoral Research Fellow

Department of Medical and Surgical Sciences – University of Bologna, Italy

Project Title: “Special Needs by Placebo”: Programme to Advise, Normalize And Control its European Administration (PANACEA)

Supervisor: Prof. Katia Mattarozzi

Period: November 1, 2023 – present

2024 | Project Manager

Department of Medical and Surgical Sciences – University of Bologna, Italy

Project Title: “Special Needs by Placebo”: Programme to Advise, Normalize And Control its European Administration (PANACEA)

Supervisor: Prof. Katia Mattarozzi

Period: December 1, 2022 – present

EDUCATION

Degrees

2019 | PhD in Psychological, Anthropological, and Educational Sciences

Department of Psychology – University of Turin, Italy

Thesis: “Psychosocial and contextual factors on the neural correlates of emotion recognition”

Supervisor: Prof. Marco Tamietto

Period: October 2015 – September 2018

Date: January 15, 2019

Grade: Excellent

2015 | Master's Degree in Mind Sciences

Department of Psychology – University of Turin, Italy

Thesis: “Functional neuroanatomy of unconscious emotion perception and the role of attention: a meta-analytic study”

Supervisor: Prof. Marco Tamietto

Period: October 2012 – March 2015

Date: March 19, 2015

Grade: 110/110 cum laude

2012 | Bachelor's Degree in Psychological Sciences and Techniques

Department of Education – University of Genoa, Italy

Thesis: “Emotional regulation and borderline traits in a non-clinical sample”

Supervisor: Prof. Carlo Chiorri

Period: October 2009 – November 2012

Date: November 21, 2012

Grade: 99/110

Internships and Other Educational Experiences

2022 | Summer School in “Introduction to Structural Equation Models in R” (32h, Prof. Fabio Presaghi)

Department of Developmental and Socialization Processes Psychology - Sapienza University of Rome, Italy

Period: June 2022

2018 | MRI Safety Course (3h, Prof. Patrizia Cesano)

Molinette Hospital – Turin, Italy

Period: May 2018

2017 | “Academic English for PhD students” Course (30h, Prof. Jemma Robinson)

Department of Psychology – University of Turin, Italy

Period: March 2017 – April 2017

Grade: Merit

2016 | Functional Neuroimaging Course (25h, Prof. Costa, Prof. Cauda)

Department of Psychology – University of Turin, Italy

Period: July 2016

2016 | AIP Summer School in “Meta-analysis and replicability of results: Theoretical aspects and applications in R” (50h, Prof. Pastore, Prof. Altoè, Prof. Massidda)

Bertinoro, Italy

Period: June 2016

2016 | “Mind Analysis in R” Course (25h, Prof. Luca Ricolfi)

Department of Psychology – University of Turin, Italy

Period: January 2016 - March 2016

2015 | Internship (200h)

Department of Psychology – University of Turin, Italy

Supervisor: Prof. Marco Tamietto

Period: November 2014 – February 2015

RESEARCH ACTIVITY

Research Interests

Social modulation of pain

Placebo and nocebo effects

Social neuroscience (intergroup bias, facial appearance in social contexts)

Affective neuroscience (conscious and unconscious emotion perception)

Visual perception

Meta-analysis

Held Positions

2020 – 2023 | Postdoctoral Research Fellow

Department of Specialist, Diagnostic, and Experimental Medicine – University of Bologna, Italy

Project Title: “Caring for others: study of unconscious discriminatory attitudes in healthcare during the COVID-19 health emergency”

Supervisor: Prof. Katia Mattarozzi

Period: October 15, 2020 – October 14, 2023

2019 – 2020 | Postdoctoral Research Fellow

Department of Specialist, Diagnostic, and Experimental Medicine – University of Bologna, Italy

Project Title: “Caring for others: study of unconscious discriminatory attitudes in healthcare”

Supervisor: Prof. Katia Mattarozzi

Period: July 1, 2019 – June 30, 2020

Research Activities at Foreign Institutions

2025 | Postdoc Visiting Period

Faculty of Social and Behavioural Sciences (section Gezondheids, Medische- Neuropsychologie Department) – Leiden University, The Netherlands

Supervisor: Prof. Andrea Evers

Period: February 1, 2025 – December 31, 2025

2017 | Visiting Period

Department of Computer Science – University of Porto, Portugal

Supervisor: Prof. Veronica Orvalho

Period: September 1, 2017 – November 30, 2017

International Research Projects and Research Grants

2025 – 2028 | Project: “Empowering European Health Consumers through Higher Education on Placebo and Nocebo Effects (ECHO)”

Competitive funding: European Commission, Action: Erasmus+ Ka220-HED Cooperation Partnerships.

Amount awarded: Euro 400,000 – UniBo Unit: 82,650

Role: Research Fellow – Co-coordinator

Cooperation Partnership:

University of Bologna (IT), Prof. Katia Mattarozzi - Coordinator
University of Leiden (NL), Prof. Andrea Evers, Dr. Stefanie Meeuwis
University KU Leuven (BE), Prof. Diana Torta
Jagiellonian University (PL), Prof. Marek Oleszczyk, Prof. Przemyslaw Babel
University Complutense Madrid (ES), Prof. Antonio Portoles
European Federation of Pain (EFIC), Sam Kynman, Dr. Nathan Skidmore
RE2N (IT), Alberico Tremigliozi, Emiliano Brogi
Status: awarded

2024 – 2027 | Project: “Enhancing Dermatologic Interventions through Big Data-Driven: Understanding of Placebo Effects”

Competitive funding: European Commission, Action: HORIZON-MSCA-COFUND-01 “Futuredata4EU”.

Amount awarded: Euro 104,400

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Andrea Evers – Full Professor of Health Psychology, University of Leiden, Netherlands

Bianca Maria Piraccini – Full Professor of Dermatology, University of Bologna, Italy

Gastone Castellani – Full Professor of Applied Physics, University of Bologna, Italy

Emanuela Marcelli – Associate Professor of Biomedical Engineering, University of Bologna, Italy

Status: ongoing

2022 – 2025 | Project: “Special Needs by Placebo: Programme to Advise, Normalize And Control its European Administration (PANACEA)”

Competitive funding: European Commission, Action: Erasmus+ Ka220-HED Cooperation Partnerships;

Amount awarded: Euro 400,000, UNIBO Unit: 101,540

Role: Research Fellow, Project Manager

Cooperation Partnership:

University of Bologna (IT), Prof. Katia Mattarozzi - Coordinator

University of Leiden (NL), Prof. Andrea Evers, Dr. Stefanie Meeuwis

University KU Leuven (BE), Prof. Johan W.S. Vlaeyen

Jagiellonian University (PL), Prof. Marek Oleszczyk, Prof. Przemyslaw Babel

University Complutense Madrid (ES), Prof. Antonio Portoles

European Federation of Pain (EFIC), Dr. Mary O’Keeffe, Sam Kynman, Dr. Nathan Skidmore

RE2N (IT), Alberico Tremigliozi

Status: ongoing; publication: **Bagnis, A. ***, Meeuwis, S. H., Haas, J. W., O’Keeffe., ... & PANACEA

Consortium. (2025) A scoping review of placebo and nocebo responses and effects: insights for clinical trials and practice. *Health Psychology Review*, 1-39.

Website: <https://site.unibo.it/educationonplacebo/en>

2022 – 2025 | Project: “Pain Perception: Exploring the Impact of Polymorphisms in Dopamine, Opioid, and Oxytocin Systems on Perceived Familiarity and Mental Representation of the Good Doctor”

Competitive internal funding: PhD Scholarship in Surgical Sciences and Innovative Technologies, 38th Cycle, funded by CARISBO; Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Alexander Todorov – Full Professor of Behavioural Science and Head of the Perception and Judgment Lab, University of Chicago Booth, USA.

Giuseppe Gasparre – Full Professor of Medical Genetics, Director of the Applied Biomedical Research Center, University of Bologna, Italy

Status: ongoing

2022 – 2025 | Project: “The Role of Familiarity and Relationship Strength with Conspecifics in Pain Modulation and Stress”

Funding: Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Przemysław Bąbel – Chair of the Research Discipline Council for Psychology, Head of the Pain Research Group, Institute of Psychology, Jagiellonian University, Poland

Joanna Kłosowska – Pain Research Group, Institute of Psychology, Jagiellonian University, Poland

Vittorio Sambri – Associate Professor of Microbiology, University of Bologna, Italy; Director of the Microbiology Operational Unit of AUSL of Romagna, Pievesistina, Forlì – Cesena, Italy

Status: ongoing

2022 – 2024 | Project: “Navigating Racial and Facial Appearance in Pain Recognition: The Role of Education and Awareness in Medical Students”

Funding: Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Status: ongoing; manuscript under review

2022 – 2023 | Project: “Racial Biases, Facial Trustworthiness, and Resting Heart Rate Variability: Unravelling Complexities in Pain Recognition”

Funding: Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Julian F. Thayer – Full Professor of Psychology, University of California, Irvine; Ohio State University, USA

Cristina Ottaviani – Associate Professor of Clinical Psychology, Sapienza University of Rome, Italy

Status: completed; publication: Ceccarelli, I.*, **Bagnis, A.****, Ottaviani, C., Thayer, J., Mattarozzi, K. (2024) Racial Biases, Facial Trustworthiness, and Resting Heart Rate Variability: Unravelling Complexities in Pain Perception. *Cognitive Research: Principles and Implications*, 9, 69. *Co-first author, + Corresponding author

2021 – 2023 | Project: “Healthcare Priority Decision in Emergency: the role of Trustworthiness Inferred from Patient’s Voice”

Competitive funding: winner of the 2021 Medical Research and High Technology Call for Proposals - CARISBO Foundation.

Amount awarded: Euro 5,000 + internal competitive co-funding from the 2021 Integrated Research Budget (BIR) of DIMES, Euro 19,000.

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Alexander Todorov – Full Professor of Behavioural Science and head of the Perception and Judgment Lab, University of Chicago Booth, USA.

Giovanni Gordini, Mino Picoco – Emilia East 118 Operational Center, Bologna, Italy

Alessandra De Palma – Legal Medicine and Integrated Risk Management, Care Safety Area, IRCCS University Hospital, Policlinico Sant’Orsola Malpighi, Bologna, Italy

Ernesto Caffo – Emeritus Professor, University of Modena and Reggio Emilia, Italy
Paolo Maria Russo – Full Professor of General Psychology, University of Bologna, Italy.
Status: completed; manuscript under review

2021 – 2022 | Project: “How do wearing sanitary masks influence inferences from facial appearance and emotion recognition?”

Funding: Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Alexander Todorov – Full Professor of Behavioural Science and head of the Perception and Judgment Lab, University of Chicago Booth, USA.

Cristina Mosso – Associate Professor of Social Psychology, University of Turin, Italy.

Status: completed; data processing

2020 – 2022 | Project: “Development and cross-national investigation of a model explaining participation in WHO-recommended and placebo behaviours to prevent COVID-19 infection”.

Competitive funding: Grant no. HS6 from the National Science Centre, Poland

Role: Research Fellow

Partnership:

Przemysław Bąbel – Chair of the Research Discipline Council for Psychology, Head of the Pain Research Group, Institute of Psychology, Jagiellonian University, Poland (Principal Investigator / Coordinator)

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy

Joshanloo Mohsen – Associate Professor of Psychology, Keimyung University, Daegu, Republic of Korea

Pontén Moa – Affiliated to Research, Karolinska Institutet, Stockholm, Sweden

Geers Andrew L. – Professor of Psychology, University of Toledo, Toledo, USA

Park Joonha – Postdoctoral Fellow, NUCB Business School, Nagoya, Japan.

Status: completed; publication: Kłosowska, J., Bajcar, E. A., Bieniek, H., Brączyk, J., Joshanloo, M.,

Mattarozzi, K., **Bagnis, A.**, ... & Bąbel, P. (2022). Development and cross-national investigation of a model explaining participation in WHO-recommended and placebo behaviours to prevent COVID-19 infection.

Scientific Reports, 12(1), 17704.

2020 – 2022 | Project: No (cebo) Vax: COVID-19 Vaccine Beliefs Are Important Determinants of Both Occurrence and Perceived Severity of Common Vaccines’ Adverse Effects.

Funding: Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Przemysław Bąbel – Chair of the Research Discipline Council for Psychology, Head of the Pain Research Group, Institute of Psychology, Jagiellonian University, Poland

Alessandra De Palma – Legal Medicine and Integrated Risk Management, Care Safety Area, IRCCS University Hospital, Policlinico Sant’Orsola Malpighi, Bologna, Italy

Joanna Kłosowska – Pain Research Group, Institute of Psychology, Jagiellonian University, Poland

Valeria Cremonini, Roberta Mazzoni, Fabio Capucci - Socio-Sanitary Management, Ravenna District, Romagna Local Health Authority, Italy.

Paolo Maria Russo - Full Professor of General Psychology, University of Bologna, Italy.

Status: completed; publication: Mattarozzi, K., **Bagnis, A.**, Kłosowska, J., Bąbel, P., Cremonini, V., De Palma, A., ... & Russo, P. M. (2023). No (cebo) Vax: COVID-19 Vaccine Beliefs Are Important

Determinants of Both Occurrence and Perceived Severity of Common Vaccines’ Adverse Effects.

Psychological Science, 2023, 34(5), 603-615.

2015 – 2020 | Project: “Exploring the Impact of Facial Appearance on Healthcare Professional Decision-Making and Patient Outcomes”

Competitive funding: internal competitive co-funding through the Integrated Research Budget (BIR) for the activation of research grants + Directed Fundamental Research (RFO) Mattarozzi (based on the evaluation by the Research Evaluation Group - VRA - of the University, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Alexander Todorov – Full Professor of Behavioural Science and head of the Perception and Judgment Lab, University of Chicago Booth, USA.

Status: completed; publications: **Bagnis, A.**, Cremonini, V., Pasi, E., Pasquinelli, G., Rubbi, I., Russo, P. M., & Mattarozzi, K. (2021). Facing up to bias in healthcare: The influence of familiarity appearance on hiring decisions. *Applied Cognitive Psychology*, 35(6), 1585-1591; **Bagnis, A.**, Todorov, A., Altizio, I., Colonnello, V., Fanti, S., Russo, P. M., & Mattarozzi, K. (2023). Familiarity From Facial Appearance Leads to Hypoalgesia. *The Journal of Pain*, 24(11), 2040-2051.

National Research Projects and Research Grants

2020 – 2025 | Project: “Development and validation of a Subjective self-Assessed on-line Version questionnaire on Quality of Life (SAVEQoL)”

Funding: Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Alessandra Solari, Andrea Giordano - Neuroepidemiology Unit, IRCCS Foundation Neurological Institute C. Besta, Milan, Italian Multiple Sclerosis Association

Status: on going

2019 – 2020 | Project: “Exploring the Impact of Facial Appearance on Emotion Recognition”

Competitive funding: internal competitive co-funding through the Integrated Research Budget (BIR) for the activation of research grants + Directed Fundamental Research (RFO) Mattarozzi (based on the evaluation by the Research Evaluation Group - VRA - of the University, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Valentina Colonnello - Fixed-term Researcher, University of Bologna, Italy

Paolo Russo - Full Professor of General Psychology, University of Bologna, Italy

Status: ongoing; publication: **Bagnis, A.**, Colonnello, V., Russo, P. M., & Mattarozzi, K. (2023).

Facial trustworthiness dampens own-gender bias in emotion recognition. *Psychological Research*, 1-8.

2020 – 2022 | Project: “Nocebo Effects and Health Perception during Infectious Threats: a Pandemic Lesson”

Funding: Basic Oriented Research (RFO) Mattarozzi (based on the evaluation of the University’s Research Evaluation Group -VRA, the maximum available funding was awarded).

Role: Research Fellow

Partnership:

Katia Mattarozzi – Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Alessandra De Palma - Legal Medicine and Integrated Risk Management, Care Safety Area, IRCCS University Hospital, Policlinico Sant’Orsola Malpighi, Bologna, Italy

Valeria Cremonini, Roberta Mazzoni, Fabio Capucci - Socio-Sanitary Management, Ravenna District, Romagna Local Health Authority, Italy

Paolo Pandolfi - Department of Public Health, Bologna Local Health Authority, Italy
 Paolo Maria Russo - Full Professor of General Psychology, University of Bologna, Italy
 Status: concluded; publication: Mattarozzi, K., **Bagnis, A.***, Capucci, F., Cremonini, V., De Palma, A., Mazzoni, R., ... & Russo, P. M. (2025) Nocebo effects and health perception during infectious threats: A pandemic lesson. *Heliyon*, 11(5).

2019 – 2020 | Project: "Caring for the Other: Study of Unconsciously Discriminatory Attitudes in Healthcare Settings"

Competitive Funding: Winner of the Medical Research and High Technology Grant 2029 - CARISBO Foundation.

Amount awarded: Euro 12,000; Integration with third-party financial resources: agreement between UniBo and UniMoRe; Euro 12,000.

Role: Research Fellow

Partnership:

Katia Mattarozzi - Associate Professor of General Psychology, University of Bologna, Italy (Principal Investigator)

Ernesto Caffo - Retired Professor, University of Modena and Reggio Emilia, Italy

Carlo Cipolli - Emeritus Professor, University of Bologna, Italy

Alessandra De Palma - Legal Medicine and Integrated Risk Management, Care Safety Area, IRCCS University Hospital, Policlinico Sant'Orsola Malpighi, Bologna, Italy

Gabriele Farina - Department of Emergency Medicine and Emergency Room, University Hospital, Sant'Orsola Malpighi Polyclinic, Bologna, Italy

Status: completed; publications: **Bagnis, A.**, Caffo, E., Cipolli, C., De Palma, A., Farina, G., & Mattarozzi, K. (2020). Judging health care priority in emergency situations: patient facial appearance matters. *Social Science & Medicine*, 260, 113180.

2017 – 2020 | Project: "Visual awareness lost and found: neural and cognitive mechanisms"

Competitive Funding: PRIN, Projects of Relevant National Interest 2017; Euro 330,135.

Amount awarded: Euro 330,135.

Role: Ph.D. student

Partnership:

Marco Tamietto - Full Professor of Psychobiology, University of Turin, Italy (Principal Investigator)

Alessia Celeghin - Research Fellow, University of Turin, Italy

Matteo Diano - Research Fellow, University of Turin, Italy

Status: completed; publication: Celeghin, A., **Bagnis, A.**, Diano, M., Méndez, C. A., Costa, T., Tamietto, M. Functional neuroanatomy of blindsight revealed by activation likelihood estimation meta-analysis.

Neuropsychologia, 128, 109-118

2013– 2017 | Project: "Neuropsychological Bases of Social and Emotional Perception"

Competitive Funding: FIRB Future in Research 2012

Amount awarded: Euro 865,800

Role: Ph.D. student

Partnership:

Marco Tamietto - Full Professor of Psychobiology, University of Turin, Italy (Principal Investigator)

Alessia Celeghin - Research Fellow, University of Turin, Italy

Matteo Diano - Research Fellow, University of Turin, Italy

Tommaso Brischetto Costa - Researcher, University of Turin, Italy

Alessio Avenanti - Full Professor of Psychobiology, University of Turin, Italy

Status: completed; publications: **Bagnis, A.**, Celeghin, A., Mosso, CO, Tamietto, M.

Toward an integrative science of social vision in intergroup bias. *Neuroscience and Biobehavioral Reviews*, 102, 318-326; **Bagnis, A.**, Celeghin, A., Diano, M., Méndez, C. A., Spadaro, G., Mosso, CO, Avenanti, A., Tamietto, M. Functional neuroanatomy of racial categorization from visual perception: A meta-analytic study. *Neuroimage*, 217, 116939.

International and national awards

2024 | Marco Polo Program Fellowship, University of Bologna (3450 €)

Title: "Best Practice Guidelines for Health Care Professionals: Managing Placebo and Nocebo Effects during Clinical Consultations and Patient-Provider Interactions".

2023 | Best Poster Award for the presentation of the European Cooperation Partnership Project "PANACEA" at the 4th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS), May 10-13, Duisburg, Germany: Mattarozzi K., Babel P., Bajcar E. A., Evers A. W. M, Haas J.W., ... Vlaeyen J., **Bagnis A.** "Special Needs by Placebo: Programme to Advise, Normalize And Control its European Administration (PANACEA).

2023 | Abstract submitted as datablitz, upgraded, and selected by the Scientific Board as Talk for Special Spotlight Session "Nocebo and Covid" at 4th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS), 10-13 May 2023, Duisburg, Germany: **Bagnis A.**, Capucci F., Cremonini V., De Palma A., Mazzoni R., Pandolfi P., Russo P., Mattarozzi K. The contagion of nocebo: fear, believe and negative expectations coming from COVID-19 pandemic worsen flu-like symptoms.

2023 | Editor's Choice for This Week in Psychological Science (TWiPS) Dissemination: Mattarozzi, K., **Bagnis, A.**, Kłosowska, J., Babel, P., Cremonini, V., De Palma, A., ... & Russo, P. M. (2023). No(cebo) Vax: COVID-19 Vaccine Beliefs Are Important Determinants of Both Occurrence and Perceived Severity of Common Vaccines' Adverse Effects. *Psychological Science*, 2023, 34(5), 603-615.

2019 | Doctoral Thesis Award - Experimental AIP

Thesis: "Psychosocial and contextual factors on the neural correlates of emotion recognition"

Selected by the commission as one of the top 5 doctoral theses of the XXXI cycle.

2017 | Call for proposals for funding scientific/divulgate events, Research and Talents Foundation (€4000)

Title: "Quando questo non è più un uomo: psicologia e neuroscienze si raccontano per la memoria".

Organization of international and national scientific events

2025 | Summer School: "International summer school on Placebo and Nocebo effects, 2nd edition".

Faenza, 14-18th July 2025, University of Bologna, Bologna. Supported by European Commission, Action: Erasmus+ Ka220-HED Cooperation Partnerships, PANACEA. Scientific Committee: PANACEA Cooperation Partnership.

2024 | National Event: "PANACEA Day: Il ruolo degli effetti placebo e nocebo nella pratica clinica".

Faenza, 27th September 2024, Complesso Salesiano Faventia, University of Bologna, Italy. Supported by European Commission, Action: Erasmus+ Ka220-HED Cooperation Partnerships, PANACEA. Scientific Committee: Katia Mattarozzi, Arianna Bagnis, PANACEA Cooperation Partnership.

2024 | Summer School: "International summer school on Placebo and Nocebo effects".

Madrid, 15-19th July 2024, School of Medicine, Universidad Complutense de Madrid, Spain. Supported by European Commission, Action: Erasmus+ Ka220-HED Cooperation Partnerships, PANACEA. Scientific Committee: PANACEA Cooperation Partnership.

2023 | International Conference: "To Expect a Treatment is in Itself a Treatment"? Unleashing the Power of Placebo and Nocebo Effects in Healthcare. Bologna, October 24, 2023, Sala VIII Centenario, Palazzo Poggi, University of Bologna. Supported by European Commission, Action: Erasmus+ Ka220-HED Cooperation Partnerships, PANACEA (in presence and online event). Scientific Committee: Prof. Katia Mattarozzi, PANACEA Cooperation Partnership.

2019 | International Conference: "From split-brains to emotional consciousness - A tribute to Joseph LeDoux". Torino, April 17, 2019. Sale dei Mappamondi, Accademia delle Scienze, University of Torino. Scientific Committee: Prof. Marco Tamietto, Prof. Joseph LeDoux.

2017 | Workshop: “Quando questo non è più un uomo: psicologia e neuroscienze si raccontano per la memoria”. Torino, January 27, 2017. Aula Magna Cavallerizza Reale, University of Torino. Scientific Committee: Arianna Bagnis, Silvia Chiesa, Marzia Di Girolamo, Barbara Muzzolini, Giuliana Spadaro.

2016 | International Conference: “Neural Roots of Awareness, Emotion and Action in Man and Animals. A tribute to Larry Weiskrantz”. Torino, June 30, 2016. Sale dei Mappamondi, Accademia delle Scienze, University of Torino. Scientific Committee: Prof. Marco Tamietto.

Publications in ISI and/or Scopus indexed international journals

2025 | Mattarozzi, K., **Bagnis, A.***, Capucci, F., Cremonini, V., De Palma, A., Mazzoni, R., ... & Russo, P. M.

Nocebo effects and health perception during infectious threats: A pandemic lesson.

Heliyon, 11(5).

Q1, Citations: 0; IF: 3.4

*corresponding author

2025 | **Bagnis, A.***, Meeuwis, S. H., Haas, J. W., O'Keeffe, ... & PANACEA Consortium.

A scoping review of placebo and nocebo responses and effects: insights for clinical trials and practice.

Health Psychology Review, 1-39.

Q1, Citations: 0; IF: 6.6

*corresponding author

2024 | Ceccarelli, I. ⁺, **Bagnis, A.***, Ottaviani, C., Thayer, J., Mattarozzi, K.,

Racial Biases, Facial Trustworthiness, and Resting Heart Rate Variability: Unravelling Complexities in Pain Perception.

Cognitive Research: Principles and Implications, 9, 69

Q1, Citations: 0; IF: 3.4

⁺co-first author, *corresponding author

2024 | **Bagnis, A.***, Ottaviani, C., Mattarozzi, K.

Face your heart: resting vagally mediated heart rate variability shapes social attributions from facial appearance.

Current Psychology, 43(2), 1855-1863

Q2, Citations: 1; IF: 2.387

*corresponding author

2024 | **Bagnis A.***, Colonnello, V., Russo, P., Mattarozzi, K.

Facial trustworthiness dampens own-gender bias in emotion recognition.

Psychological Research, 88(2), 458-465.

Q2, Citations: 0; IF: 2.424

*corresponding author

2023 | **Bagnis A.***, Todorov, A., Altizio, I., Colonnello, V., Fanti, S., Russo, P., Mattarozzi, K.

Familiarity from facial appearance leads to hypoalgesia.

The Journal of Pain, 24(11), pp. 2040–2051

Q1, Citations: 0; IF: 5.383

*corresponding author

2023 | Mattarozzi K., **Bagnis, A.***, Kłosowska, J., Bąbel, P., ... & Russo P.M.

No(cebo) Vax: COVID-19 Vaccine Beliefs Are Important Determinants of Both Occurrence and Perceived Severity of Common Vaccines' Adverse Effects.

Psychological Science, 34(5), 603-615

Q1, Citations: 0; IF: 10.172

*corresponding author

2022 | Kłosowska, J., Bajcar, E. A., Bieniek, H., Brączyk, J., Joshanloo, M., Mattarozzi, K., **Bagnis, A.**, ... & Bąbel, P. Development and cross-national investigation of a model explaining participation in WHO-recommended and placebo behaviours to prevent COVID-19 infection.

Scientific reports, 12(1), 1-16.

Q1, Citations: 0; IF: 4.997

2021 | **Bagnis, A.***, Cremonini, V., Pasi, E., Pasquinelli, G., Rubbi, I., Russo P., Mattarozzi, K.
Facing up to bias in healthcare: the influence of familiarity appearance on hiring decisions.

Applied Cognitive Psychology, 35 (6), 1585–1591

Q2, Citations: 0; IF: 2.1

*corresponding author

2020 | **Bagnis, A.***, Caffo, E., Cipolli, C., De Palma, A., Farina, G. & Mattarozzi, K.

Judging health care priority in emergency situations: Patient facial appearance matters

Social Science and Medicine, 260, 113180

Q1, Citations: 7; IF: 3.087

*corresponding author

2020 | **Bagnis, A.**, Celeghin, A., Diano, M., Méndez, C. A., Spadaro, G., Mosso, CO, Avenanti, A., Tamietto, M.

Functional neuroanatomy of racial categorization from visual perception: A meta-analytic study.

Neuroimage, 217, 116939

Q1, Citations: 7; IF: 5.812

2019 | **Bagnis, A.**, Celeghin, A., Mosso, CO, Tamietto, M.

Toward an integrative science of social vision in intergroup bias.

Neuroscience and Biobehavioral Reviews, 102, 318-326

Q1, Citations: 14; IF: 8.002

2018 | Celeghin, A., **Bagnis, A.**, Diano, M., Méndez, C. A., Costa, T., Tamietto, M.

Functional neuroanatomy of blindsight revealed by activation likelihood estimation meta-analysis.

Neuropsychologia, 128, 109-118

Q1, Citations: 13, IF: 3.139

2017 | Celeghin, A., Diano, M., **Bagnis, A.**, Viola, M., Tamietto, M.

Basic Emotions in Human Neuroscience: Neuroimaging and Beyond.

Frontiers in Psychology, 8.

Q1, Citations: 58, IF: 2.129

2017 | Celeghin, A., Diano, M., **Bagnis, A.**, Tamietto, M.

Emozioni di base e neuroscienze oltre le neuroimmagini.

Sistemi Intelligenti. 29 (1), 169-194.

Q4, Citations: 0, IF: -

2017 | Diano, M., Tamietto M., Celeghin A., Weiskrantz L., Tatu M.K., **Bagnis A.**, Duca S., Geminiani G., Cauda F., Costa T.

Dynamic Changes in Amygdala Psychophysiological Connectivity Reveal Distinct Neural Networks for Facial Expressions of Basic Emotions.

Scientific Reports, 7, 45260.

Q1, Citations: 57, IF: 4.996

2017 | Diano, M., Celeghin, A., **Bagnis, A.**, Tamietto, M.

Amygdala response to emotional stimuli without awareness: facts and interpretations.

Frontiers in Psychology, 7, 2029.

Q1, Citations: 73, IF: 2.129

Bibliometric productivity and impact indices

	Scopus	Google Scholar
H-Index	7	7

Times cited

433

714

Contributions to international volumes

2017 | Diano, M., Celeghin A., **Bagnis, A.**, Tamietto, M.
Human Amygdala in Sensory and Attentional Unawareness: Neural Pathways and Behavioural Outcomes.
The Amygdala - Where Emotions Shape Perception, Learning and Memories
Dr. Barbara Ferry (Ed.), InTech.

Proceedings in international journals

2023 | **Bagnis A.**, Giordano, A., Solari, A., & Mattarozzi, K. (2023, May). Development and validation of a Subjective self-Assessed on-line Version questionnaire on Quality of Life (SAVE-QoL). In *MULTIPLE SCLEROSIS JOURNAL* (Vol. 29, pp. 69-69). 1 OLIVERS YARD, 55 CITY ROAD, LONDON EC1Y 1SP, ENGLAND: SAGE PUBLICATIONS LTD.

2016 | **Bagnis A.**, Spadaro G., Celeghin A., Mosso C.O., Tamietto M.
Functional neuroanatomy of racial bias in visual perception: a meta-analytic study.
In Balconi & Campanella (Eds.), Proceedings of XXIV National Congress of the Italian Society of Psychophysiology, 27-29 October 2016. *Neuropsychological Trends*, 20: 54

Abstracts and talks at international and national events and conferences

2025 | **Bagnis A.**, Meeuwis S., Evers, A., Mattarozzi K.
Exploring Placebo and Nocebo Effects Knowledge, Beliefs, and Attitudes in the General Population
5th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)
15-18 June 2025, Krakow, Poland
Poster

2025 | **Bagnis A.**, Monti, A., Mattarozzi K.
The Impact of Negative Expectations and Information on Oral Contraceptive Use: Frequency and Intensity of Side Effects, Treatment Adherence, and Satisfaction
5th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)
15-18 June 2025, Krakow, Poland
Poster

2025 | Ceccarelli I., **Bagnis A.**, Luppi E., Kurelac I., Gasparre G., Todorov A., Mattarozzi K.
Visualizing the representation of a “Good Doctor”: testing its potential effect on pain modulation.
5th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)
15-18 June 2025, Krakow, Poland
Poster – Selected for the Highlight Session

2025 | **Bagnis A.**
From Emotion Recognition to Placebo and Nocebo Effects
Center for Interdisciplinary Placebo Studies (IPS)
7th April 2025, Leiden, The Netherlands
Invited Talk

2024 | **Bagnis A.**
PANACEA linee-guida di buona pratica clinica.
PANACEA Day: Il ruolo degli effetti placebo e nocebo nella pratica clinica.
27th September 2024, Faenza, Italy.
Talk

2024 | **Bagnis A.**, Ceccarelli I., Ottaviani C., Thayer J.F., Mattarozzi K.
Racial bias, Trustworthiness, Heart Rate Variability: Unravelling Complexities in Pain Recognition.
International Association for the Study of Pain (IASP) 2024 World Congress on Pain
5-9 August 2024, Amsterdam, The Netherlands
Poster

2024 | Ceccarelli I., **Bagnis A.**, Luppi E., Kurelac I., Gasparre G., Todorov A., Mattarozzi K.
Visualizing the representation of a “Good Doctor”: testing its potential effect on pain modulation.
International Association for the Study of Pain (IASP) 2024 World Congress on Pain
5-9 August 2024, Amsterdam, The Netherlands
Poster

2024 | O’Keeffe M., Skidmore N., **Bagnis A.**, Babel P., Bajcar E., Beckers T., Evers A., Glogan E.,
Guadagnoli L., Haas J., Heymans P.J., Meeuwis S., Niedbał M., Oleszczyk M., Portoles A., Stalmach-
Przygoda A., Tremiglozzi A., Vlaeyen J., Mattarozzi K.
Placebo and Nocebo in Clinical Outcomes: A Survey of Clinician Views, Practices and Training Need.
International Association for the Study of Pain (IASP) 2024 World Congress on Pain
5-9 August 2024, Amsterdam, The Netherlands
Poster

2023 | **Bagnis A.**, Capucci F., Cremonini V., De Palma A., Mazzoni R., Pandolfi P., Russo P., Mattarozzi K.
The contagion of nocebo: fear, believe and negative expectations coming from COVID-19 pandemic worsen
flu-like symptoms.
4th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)
10-13 May 2023, Duisburg, Germany
Talk – Selected by the Scientific Board for Special Spotlight Session "Nocebo and Covid"

2023 | Mattarozzi K., Babel P., Bajcar E. A., Evers A. W. M, Haas J.W., ... Vlaeyen J., **Bagnis A.**
Special Needs by Placebo”: Programme to Advise, Normalize And Control its European Administration
(PANACEA).
4th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)
10-13 May 2023, Duisburg, Germany
Poster – Winner of Best Poster Award

2023 | Ceccarelli I., **Bagnis A.**, Babel, P., Casadio L., Klosowska, J., Ottaviani, C., Mattarozzi, K.
Sharing pain: nocebo and placebo effects in a group context
4th International Conference of the Society for Interdisciplinary Placebo Studies (SIPS)
10-13 May 2023, Duisburg, Germany
Datablitz (short talk)

2023 | **Bagnis, A.**, Giordano, A., Solari, A., Mattarozzi, K
Development and validation of a Subjective self-Assessed on-line Version questionnaire on Quality of Life
(SAVE-QoL)
RIMS - Rehabilitation in Multiple Sclerosis. Translating Knowledge into Practice: Embracing the
Complexity of MS Rehabilitation.
4-6 May 2023, Genova, Italy
Poster

2022 | **Bagnis A.**, Altizio, I., Colonnello, V., Fanti, S., Russo, P., Todorov, A., Mattarozzi, K.
Familiar-looking faces induce analgesia.
12th Congress of the European Pain Federation EFIC – Pain in Europe XII (EFIC, 2022)
27-30 April 2022, Dublin, Ireland
Poster

2019 | **Bagnis A.**, Celeghin A., Diano M., Orvalho, V., Tamietto, M.

Racial bias in emotion recognition: an fMRI study.
VII edition of the Cognitive Science Arena (CSA)
15-16 February 2019, Brixen, Italy
Talk

2019 | Ajello, C., Celeghin, A., Camassa Nahi, Y., **Bagnis, A.**, Mèndez, C.A., Tamietto, M.
Neural and psychophysiological correlates of non-conscious perception of social emotions: a study using fMRI and Eyetracker.
Translational NeuroTechnology for Vision in Real Life,
13-14 February, Lousanne, Switzerland.
Poster

2018 | **Bagnis A.**, Celeghin A., Spadaro G., Diano, M, Mendez, A.C., Mosso C.O., Tamietto M.
Functional neuroanatomy of racial bias in visual perception: a meta-analytic study.
3rd Edition - European Meeting of Neuroscience by PhD students
25 May 2018, Grenoble, France
Invited talk

2017 | **Bagnis, A.**, Camassa, Y., Tatu, M.K., Costa, T., Celeghin, A., Tamietto, M.
Neuroanatomia funzionale attenzionale e pre-attentiva delle emozioni: uno studio meta-analitico.
XXIII Congresso Nazionale dell'Associazione Italiana di Psicologia - Sezione Sperimentale
20 – 22 September, Bari, Italy
Talk

2016 | **Bagnis A.**, Spadaro G., Celeghin A., Mosso C.O., Tamietto M.
The role of racial bias in visual processing: an ALE meta-analysis of fMRI studies.
V Congresso della Società Italiana di Neuropsicologia
2-3 December 2016, Milano, Italy
Poster

2016 | **Bagnis A.**, Spadaro G., Celeghin A., Mosso C.O., Tamietto M.
Functional neuroanatomy of racial bias in visual perception: a meta-analytic study.
In Balconi & Campanella (Eds.), Proceedings of XXIV National Congress of the Italian Society of Psychophysiology
27-29 October 2016. *Neuropsychological Trends*, 20:54
Poster - Proceeding

2016 | Celeghin, A., Costa, T., Tatu, K., **Bagnis, A.**, Camassa, Y., Tamietto, M.
Conscious and non-conscious perception of emotions: a meta-analytic study on functional neuroanatomy.
Organization for Human Brain Mapping (OHBM)
26-30 June, Geneva, Switzerland.
Poster

2015 | Celeghin, A., Costa, T., Tatu, M.K., **Bagnis, A.**, Camassa Y., Cauda F., Tamietto, M.
Functional neuroanatomy of the conscious and non-conscious perception of emotions: A meta-analytic study.
Images of the mind: new frontiers in brain imaging. Advanced (f)MRI statistical methods and their applications
9-10 April, Milano, Italy
Poster

Peer reviewer in international journals

Ad-hoc reviewer per: PloS One, Scientific Reports, Cortex, Frontiers in Psychology, Cognitive Psychology, Gender Issues, Heliyon
Period: 2017 – present

Affiliations with scientific societies

IASP – International Association for the Study of Pain
Period: 2024 – present

SIPS – Society for Interdisciplinary Placebo Studies
Period: 2023 – present

AIP - Associazione Italiana di Psicologia, sezione sperimentale
Period: 2016 – 2020

TEACHING ACTIVITY

Held Positions

2024 | Subject Expert
Department of Medical and Surgical Sciences – Medicine & Surgery Degree Course - University of Bologna, Italy
General Psychology, ssd: M-PSI/01, as per the resolution of the Degree Course Council on 16/10/2024
Supervisor: Prof. Katia Mattarozzi
Period: 2024 – present

2023 | Teaching Tutor
Department of Medical and Surgical Sciences - University of Bologna, Italy
General Psychology Laboratory
Supervisor: Prof. Katia Mattarozzi
Period: October 15, 2023 - December 14, 2023 (51 hours)

2022 | Teaching Tutor
Department of Specialist, Diagnostic, and Experimental Medicine - University of Bologna, Italy
General Psychology Laboratory
Supervisor: Prof. Katia Mattarozzi
Period: October 6, 2022 - December 20, 2022 (34 hours)

2022 | Subject Expert
Department of Medical and Surgical Sciences - Nursing Degree Course (Faenza branch) - University of Bologna, Italy
General Psychology, ssd: M-PSI/01, as per the resolution of the Degree Course Council on 5/12/2022
Supervisor: Prof. Katia Mattarozzi
Period: 2022 – present

Laboratory activities

Laboratory activities on social modulation of pain
(ssd: M-PSI/01, Supervisor: Prof. Mattarozzi)
Medicine and Surgery Course, University of Bologna, Forlì Campus
Period: 2021 – 2023

Seminar activities

Lecture on “The role of individual differences on placebo and nocebo responses and effects”
International summer school on Placebo and Nocebo effects, Second Edition.
Faenza, 14-18 July 2025, Università di Bologna, Bologna.
Period: 2025

Seminar lectures on Placebo and Nocebo effects
Doctoral Program in Surgical Sciences and Innovative Technologies
Department of Medical and Surgical Sciences - DIMEC, University of Bologna
Period: 2025

Seminar lecture on Research Methodology
First level Master in Lymphology, University of Bologna
Period: 2024 – 2025

Seminar lectures on Research Methodology
Doctoral Program in Surgical Sciences and Innovative Technologies
Department of Medical and Surgical Sciences - DIMEC, University of Bologna
Period: 2024 – 2025

Lecture on “The role of individual differences on placebo and nocebo responses and effects”
International summer school on Placebo and Nocebo effects".
Madrid, 15-19 July 2024, School of Medicine, Universidad Complutense de Madrid, Spain
Period: 2024

Co-teaching within the workshop "Call 2024 Erasmus+ KA2 Actions - Partnerships for Cooperation
AFORM - Internationalization and Innovative Teaching Sector, University of Bologna
Period: February 06 - 08, 2024

Seminar lectures on meta-analytical methods for behavioral and neuroimaging data
Ph.D. Program in Psychological, Anthropological, and Educational Sciences, Doctoral School in Humanities
and Social Sciences, University of Turin
Period: 2020

Seminar lectures within the course "Group Psychology"
(ssd: M-PSI/05, Supervisor: Prof. Mosso)
Master's Degree Course in Clinical Psychology, University of Turin
Period: 2020

Seminar lectures within the course "Neurosciences - Course B"
(ssd: BIO/09, Supervisor: Prof. Tamietto)
Bachelor's Degree Course in Psychological Sciences and Techniques, University of Turin
Period: 2016 – 2018

Seminar lectures within the "Neuropsychology Laboratory"
(ssd: M-PSI/02, Supervisor: Prof. Tamietto)
Bachelor's Degree Course in Psychological Sciences and Techniques, University of Turin
Period: 2016 – 2017

Tutoring activity

Supervisor of Master Level I dissertations (SSD: M-PSI/01)
Period: 2024 - present
Co-supervisor of Level I and Level II dissertations (SSD: M-PSI/01)
Period: 2019 - present
Co-supervisor of Level I and Level II dissertations (SSD: M-PSI/02)
Period: 2015 – 2018

INSTITUTIONAL ACTIVITY

Evaluating committees

Participation in the role of member in the selection committee for the awarding of a merit list for the assignment of doctoral places within the HORIZON- MSCA and Citizens, COFUND and Support Activities “Training Future Big Data Experts for Europe”
Period: 2025

Participation in the role of verbalizing secretary in the selection committee for the awarding of a merit list for the assignment of 6 places for “PANACEA: INTERNATIONAL SUMMER SCHOOL ON PLACEBO AND NOCEBO” of the Erasmus+ PANACEA project at University of Bologna, Faenza, Italy - year 2025 (call rep. 1284/2025).
Period: 2025

Participation in the role of verbalizing secretary in the selection committee for the awarding of a merit list for the assignment of 8 places for “PANACEA: INTERNATIONAL SUMMER SCHOOL ON PLACEBO AND NOCEBO” of the Erasmus+ PANACEA project at Universidad Complutense De Madrid - Madrid, Spain - year 2024 (call rep. 1952/2024).
Period: 2024

Examination and Graduation Boards

General Psychology (ssd: M-PSI/01, Prof. Katia Mattarozzi)
Period: 2019 - present

Social Cognitive Psychology (ssd: M-PSI/05, Prof. Cristina Mosso)
Period: 2019 - 2021

Neuroscience (ssd: BIO/09, Prof. Marco Tamietto)
Psychobiology (ssd: M-PSI/02, Prof. Matteo Diano)
Period: 2015 - 2019

TECHNICAL AND PERSONAL SKILLS

Languages

Italian - Mother tongue

English - Good in speaking, writing, and understanding (B2 advanced)

Data Collection

Behavioral

Presentation - Neurobehavioral Systems Inc.

Inquisit 5 - Millisecond

E-Prime® - Psychology Software Tools

Qualtrics Experience Management

Physiological

Firstbeat Bodyguard 2

Digitimer DS8R High Voltage Constant Current Stimulator

Eyelink 1000 plus

MRI

3T Siemens

Data Analysis

Meta-analytic analysis

BrainMap - GingerALE application

Metafor package - R Studio

Statistical Analysis

SPSS

Programming language

R Studio

Structural and functional data analysis

BrainVoyager

FSL

Data Visualization

Data Visualization software

Orange

Brain network visualization software

BrainNet Viewer

MRICron

3D computer animation software

Maya

I authorize the processing of my personal data in accordance with Legislative Decree No. 196 of June 30, 2003, "Personal Data Protection Code."

Bologna, 24/07/2025

Arianna Bagnis

