

## **Dr. Francesco Marchi**

Humboldt Fellow (Post-Doc)  
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### **Current position**

2023 – 2024

Feodor-Lynen Research Fellow (Post-Doc) at the University of Bochum (Rückkehrstipendium).  
Funded by the Alexander von Humboldt Foundation  
Project Title: *Desiring, imagining and believing: the role of attention and imagination in the acquisition of motivationally biased belief*

### **Previous positions**

2020 – 2023

Feodor-Lynen Research Fellow (Post-Doc) at the University of Antwerp.  
Funded by the Alexander von Humboldt Foundation  
Project Title: *Desiring, imagining and believing: the role of attention and imagination in the acquisition of motivationally biased belief*

2017 – 2020

Post-Doc at the Ruhr-University Bochum.  
Mercator Research Center Ruhr (MERCUR) project Pr-2016-0016: *“Automaticity in Thought and Action and its Significance for our Self-Understanding”*

### **Education**

2013 – 2017

PhD in Philosophy of Mind  
Defense date: 02.03.2017 – *Summa cum Laude* (Highest grade)  
Institution: Ruhr-Universität Bochum  
Dissertation Title: *The interactions between perception and cognition – an investigation of attention and cognitive penetrability in philosophy and cognitive science*  
First Supervisor: Prof. Albert Newen  
Second Supervisor: Prof. Jakob Hohwy

2009 – 2012

Master Degree in Linguistics and Cognitive Science – 110/110 *cum Laude* (Highest grade)  
Institution: Università degli Studi di Siena  
Thesis Title: *Top-down Brain – The role of top-down neural processes in an intermediate-level hypothesis for consciousness*  
First Supervisor: Dr. Giacomo Romano  
Second Supervisor: Dr. Giuseppe Varnier

2006 – 2009

Bachelor Degree in Philosophy

Institution: Università degli Studi di Siena

Thesis Title: *The existence of the external world – Wittgenstein's epistemology in the text "On Certainty"*

Supervisor: Dr. Giuseppe Varnier

### Research Interests:

**Primary Interests:** Philosophy of Perception; Philosophy of Mind and Cognitive Science; Motivated reasoning; Perceptual Epistemology; Interactions and Boundaries between Cognition and Perception

**Secondary Interests:** Epistemology; Social Cognition; Cognitive Psychology; Cognitive Neuroscience.

### Grants and Fellowships

- 01.09.2023 – 31.08.2024: Feodor-Lynen Research Fellowship Ruckkehrstipendium from *Alexander von Humboldt Stiftung* at the Ruhr-University Bochum (ca. **36.000 Euros**).
- 01.09.2020 – 31.08.2023: Feodor-Lynen Research Fellowship from *Alexander von Humboldt Stiftung* at the University of Antwerp with Prof. Bence Nanay (3+1 Years, ca. **108.000 Euros** for the first three years).
- 2017 – 2020: Participation, under the lead of Prof. Albert Newen, to the successful fund raising for the collaborative project "**Automaticity in Thought and Action and its Significance for our Self-Understanding**", between the Universities of Duisburg-Essen (Prof. Roughley), Dortmund (Prof. Crone) and Bochum (Prof. Newen). Funded by *Mercator Research Center Ruhr* (Pr-2016-0016 ca. **140.000 Euro**).
- 2017 – 2019: Member of Global Young Faculty V, initiative of the *Mercator Foundation* and the *Universitätsallianz Ruhr* (personal travel budget **5.000 Euros**).
- 03.2017: VIP (Visiting International Professor) fellowship for Jakob Hohwy from *RUB Research School* (**12.000 Euros**).
- 01.09.2014 – 31.12.2016: PhD Scholarship by *Barbara Wengeler Stiftung* (2 years ca. **30.000 Euros**).
- 07.08.2014: IRB (International Realization Budget) Research Grant by *Rub Research School* (**10.000 Euros**).
- 01.09.2013 – 31.12.2014: PhD Fellowship from the *Centre for Mind, Brain and Cognitive Evolution*. Institution: Ruhr Universität Bochum, Department of Philosophy II (1 year).

### Research visits

February-April, 2016. Visiting student at Monash University at the Philosophy and Cognition Lab of the Philosophy Department under the supervision of Prof. Jakob Hohwy.

### List of Publications:

#### Monographs

- Marchi, F. (2020). *"The Attentional Shaping of Perceptual Experience."* Book series: Studies in Brain and Mind, 16. Cham (CH): Springer Nature. <https://doi.org/10.1007/978-3-030-33558-8>

#### Peer-reviewed Papers

- Marchi, F. and Newen, A. (2022) "Self-deception in the predictive mind: Cognitive strategies and a challenge from motivation". *Philosophical Psychology*, 35, pp. 971-990. <https://doi.org/10.1080/09515089.2021.2019693>
- Ferretti, G. and Marchi, F. (2021). "Visual attention in pictorial perception." *Synthese*, 199, pp. 2077-2101. <https://doi.org/10.1007/s11229-020-02873-z>
- Marchi, F. and Hohwy, J. (2020) "The intermediate scope of consciousness in the predictive mind." *Erkenntnis*, 87, pp. 891-912. <https://doi.org/10.1007/s10670-020-00222-7>
- Ferretti, G. and Marchi, F. (2020). "Seeing entities without seeing N entities." *Journal of Consciousness Studies*, 27, pp. 57-70. <https://www.ingentaconnect.com/contentone/imp/jcs/2020/00000027/f0020001/art00003>
- Marchi, F. (2017). "Attention and cognitive penetrability: The epistemic consequences of attention as a form of metacognitive regulation." *Consciousness and Cognition*, 47, pp. 48-62. <https://doi.org/10.1016/j.concog.2016.06.014>
- Marchi, F. (2015). "Cognitive penetrability of social perception: a case for emotion recognition." In Siegel S. and Jenkin Z. (Eds.) *Cognitive penetration of perception. Review of Philosophy and Psychology*, 6, pp. 617-620. <https://doi.org/10.1007/s13164-015-0258-z>
- Marchi, F. and Newen, A. (2015a). "Cognitive penetrability and emotion recognition in human facial expressions." *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2015.00828>
- Marchi, F. and Newen, A. (2015b), A. "The cognitive foundations of visual consciousness. Why should we favour a processing approach?" *Phenomenology and The Cognitive Sciences*, 15, pp. 247-264. <https://doi.org/10.1007/s11097-015-9425-z>
- Marchi, F. and Romano, G. (2014) "Syntactic structures and the conscious awareness of language experience. An intermediate-level hypothesis." *Rivista Internazionale di Filosofia e Psicologia*, 5, 169-183. <https://doi.org/10.4453/rifp.2014.0014>

#### Manuscripts under review

- Marchi, F. "The Rationality of Mental Imagery" Under review in *Mind and Language*.
- Marchi, F. "Self-deception and automatic belief" Under review in *Synthese*.
- Marchi, F. and Vernazzani, A. "Visual Habits" Under review in *Philosophy and Phenomenological Research*.
- Ferretti, G. and Marchi, F. "Trompe l'œil illusions: Pay (Visual) Attention!" Under review in *Philosophical Explorations*.

#### Book chapters

- Newen, A. and Marchi, F. (2016). "Concepts and their organizational structure: Concepts are templates based on mental files." In Hommen, D., Kann, C. and Oswald, T. *Concepts and categorization: Systematic and historical perspectives*. Mentis, pp.197-227

#### Edited Volumes

- Newen, A., Marchi, F. and Brössel, P. (2017) "Cognitive penetration and predictive coding." Special issue of *Consciousness and Cognition*. Volume 47, Pages 1-112.

#### Reviews and Introductions

- Newen, A., Marchi, F. and Brössel, P. (2017) "Introduction – Cognitive penetration and predictive coding. Pushing the debate forward with the recent achievements of cognitive science." *Consciousness and Cognition*, 47, pp. 1-5. <https://doi.org/10.1016/j.concog.2016.12.001>

- Marchi, F. (2013). Book Review of J.J. Prinz, "The Conscious Brain. How Attention Engenders Experience." *Rivista Internazionale di Filosofia e Psicologia*, 4(1), 100-102.

## Conferences

### Invited Talks:

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- Ruhr University of Bochum, June 2023. *The Rationality of Mental Imagery*. Bochum-Rutgers Workshop.
- Università degli Studi di Siena, April 2023. *The Epistemic Role of Inner Speech as a form of Mental Imagery*. Invited open lecture.
- Ludwig-Maximilians Universität München, March 2020. *Self-deception and automatic believing*. Workshop: "Self-Images: Current Topics in Moral Psychology." (Cancelled due to Coronavirus concerns).
- Westfälische Wilhelms Universität Münster, July 2019. *Attention and Cognitive Penetration: should we be worried?* Workshop: "Scientific Observation and Background Effects."
- Ruhr-University Bochum, May 2017. *Understanding Self-Deception in the framework of Predictive Coding*. Second Bochum-Rutgers Workshop.
- Monash University, February 2016. *The epistemic role of attention in perception and cognition*. Department of Philosophy graduate seminar.
- Ruhr University Bochum, January 2016. *The epistemic role of attention in perception and cognition*. Research Colloquium: "Philosophy meets Cognitive Science".
- Harvard University, April 2014. *Cognitive penetration and social vision*. Workshop on cognitive penetrability organized by Susanna Siegel (19-20 April 2014).
- Ruhr University Bochum, April 2013. *Top-down Brain – the role of top-down neural processes in an intermediate-level hypothesis for consciousness*. Presentation talk for Phd position.

### Conference talks:

- Nurnberg, September 2021. *Self-deception in a Spinozan mind*. DGPhil 2021 (XXV. Kongress der Deutschen Gesellschaft für Philosophie).
- Athens, September 2019. *The intermediate scope of consciousness in the predictive mind*. ESPP 2019 (European society for philosophy and psychology).
- Köln, September 2018. *Self-deception in the predictive mind*. GAP.10 (Gesellschaft für Analytische Philosophie).
- Rijeka, September 2018. *Self-deception in the predictive mind*. ESPP 2018 (European society for philosophy and psychology).
- Bologna, December 2017. *Active inference and the intermediate level of consciousness*. AISC 2017 (Italian Association for Cognitive Science).
- Osnabrück, September 2015. *Cognitive penetrability and perceptual judgment: A case for emotion recognition*. GAP.9 (Gesellschaft für Analytische Philosophie).
- Bochum, March 2015. *Attention and cognitive penetration in predictive coding*. Cognitive penetrability and Predictive Coding (Organizers: Francesco Marchi, Albert Newen; Peter Brössel)
- Noto, September 2014. *The cognitive foundations of conscious experience*. ESPP 2014 (European society for philosophy and psychology).
- L'Aquila, September 2014. *The cognitive foundations of conscious experience*. SIFA 2014 (Italian society for analytic philosophy).
- Münster, September 2014. *Cognitive penetrability How the interaction of perception and concepts determines our experience of the world*. DGPhil 2014 (XXIII Kongress der Deutschen Gesellschaft für Philosophie).
- Salzburg, September 2013. *Attention and Cognitive Penetration in Visual Consciousness*. SOPhA 2013 (Salzburg Conference for Young Analytic Philosophy).

- Cagliari, September 2013. *Top-down Processes in Visual Object Perception. An Extended Version of the Intermediate-level Hypothesis*. 3<sup>rd</sup> SIFA Graduate Conference.

#### Conferences as organizer:

- Bochum, October 2021. Workshop: *Perception and Belief: Appearances, Belief Acquisition, and the Perception/Cognition Divide*. Organizers: Francesco Marchi, Albert Newen, Alfredo Vernazzani.
- Dortmund, October 2019. Workshop: *Automaticity and Bias in Thought and Action*. Organizers: Francesco Marchi, Albert Newen, Anna Welpinghus, Katja Crone, Flavia Felletti, Neil Roughley.
- Bochum, December 2017. Workshop: *New Perspectives on Self-deception, Biased Belief and Automatic Action*. Organizers: Francesco Marchi, Albert Newen.
- Bochum, March 2016. Masterclass: *Predictive Coding and the Mind*. Three lectures by Prof. Jakob Hohwy. Organizers: Albert Newen, Francesco Marchi, Tobias Schlicht, Shaun Gllagher.
- Bochum, March 2015. *Cognitive penetrability and Predictive Coding*. Organizers: Francesco Marchi, Albert Newen; Peter Brössel.

#### Teaching Experience

Ruhr University Bochum

- Winter-Semester 2023/2024, Tutorial: *Introduction to Cognitive Science*
- Winter-Semester 2019/2020, Seminar: *Epistemology of Perception*
- Winter-Semester 2019/2020, Tutorial: *Introduction to Cognitive Science*
- Summer-Semester 2019, Seminar: *Perception, Cognition and their Interactions*
- Summer-Semester 2019, Seminar: *Motivated Reasoning and Self-deception*
- Winter-Semester 2018/2019, Tutorial: *Introduction to Cognitive science*
- Winter-Semester 2018/2019, Seminar: *Self-deception and Predictive Coding*
- Winter-Semester 2017/2018, Seminar: *Self-deception and Predictive Coding*
- Winter-Semester 2014/2015, Seminar: *Understanding Perception* (with Prof. Albert Newen)
- Winter-Semester 2013/2014, Seminar: *Conceptual Spaces* (with Prof. Peter Brössel)

**Language proficiency:** Italian (Native); English (Excellent, Cambridge C2); German (Fluent); Spanish (Fluent); French (Conversational).

#### Academic References

- **Prof. Albert Newen**  
Professor of Philosophy  
Institut für Philosophie II  
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<https://www.pe.ruhr-uni-bochum.de/philosophie/ii/newen/newen/index.html.de>
- **Prof. Bence Nanay**  
Professor of Philosophy and BOF Research Professor  
Department of Philosophy  
Centre for Philosophical Psychology  
University of Antwerp  
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2000 Antwerp, Belgium

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- **Prof Jakob Hohwy**

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