

MAGDALENA MATYJEK

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EDUCATION

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| Ph.D. Oct. 2016 – Feb. 2022 | Clinical Psychology of Social Interaction group, Berlin School of Mind and Brain at Humboldt-Universität zu Berlin , Germany (cum laude) |
| Student exchange Sep. 2014 – Feb. 2015 | Mei:CogSci - Middle European Interdisciplinary Master Programme in Cognitive Science at University of Vienna , Austria |
| M.Sc. Oct. 2013 – Jun. 2015 | Magister (equivalent of M.Sc.) in Cognitive Science, Jagiellonian University , Krakow, Poland |
| Student exchange Jul. 2014 – Dec. 2013 | Australian-European Network semester abroad in Clinical Neuropsychology at University of Wollongong , Australia |
| B.Sc. Oct. 2010 – Jun. 2013 | Licencjat (equivalent of B.Sc.) in Cognitive Science, Jagiellonian University , Krakow, Poland |

WORK EXPERIENCE

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| Postdoctoral researcher Oct. 2023 - Mar. 2025 | Clinical Psychology of Social Interaction, Humboldt-Universität zu Berlin , Germany |
| Visiting Research Fellow Jan. - Sep. 2024 | Social Cognition Lab, ICN, University College London , UK |
| Visiting Research Fellow Oct. - Dec. 2023 | Department of Psychological and Brain Sciences, Dartmouth College , US |
| Postdoctoral researcher Oct. 2021 - Sep. 2023 | Multisensory Research Group, Center for Brain and Cognition, Universitat Pompeu Fabra , Barcelona, Spain |
| Visiting Research Fellow Dec. 2022 - July. 2023 | Department of Psychology, University of Warwick , Coventry, UK |
| Research assistant 2015 – 2017 | Neurocognitive Processes Lab, Jagiellonian University , Krakow, Poland |
| Research assistant 2015 – 2016 | University of Social Sciences and Humanities , Warsaw, Poland |
| Research assistant 2014 – 2015 | ScanUnit lab, University of Vienna , Austria |

PUBLICATIONS

- Matyjek, M.**, Kita, S., Torralba Cuello, M., Soto Faraco, S., (preprint), Multisensory integration of speech and gesture in a naturalistic paradigm. Preprint: [10.31234/osf.io/2ya75](https://doi.org/10.31234/osf.io/2ya75).
- Matyjek, M.**, Bast, N., Soto Faraco, S., (preprint), Social motion preference in autistic adults. Preprint: [10.1101/2024.02.14.24302687](https://doi.org/10.1101/2024.02.14.24302687).
- Bast, N., Ahmad J., Mason L., Jones, E. JH., **Matyjek, M.**, Müller, A.K., Polzer L., Luckhardt, C., Bussu G., McAlonan G. M., Loth E., Banaschewski, T., Baumeister, S. Chatham, C., the EU-AIMS LEAP group (+), Freitag, C. M., (in prep.), Pupillometric neuronal gain indicates the locus coeruleus to underlie increased precision weighting in autism.
- Matyjek, M.**, Bayer, M., Dziobek, I. (2023), Reward Responsiveness across Autism and Autistic Traits – Evidence from Neuronal, Autonomic, and Behavioural Levels. *NeuroImage: Clinical*, 38, 103442, OA. doi: [10.1016/j.nicl.2023.103442](https://doi.org/10.1016/j.nicl.2023.103442). Preprint: [10.1101/2022.02.11.22270801](https://doi.org/10.1101/2022.02.11.22270801).
- Boegl, K.*, **Matyjek, M.***, Naumann, S.*, Scholar Minds Berlin, Dziobek, I. (2022), Doctoral researchers' mental health and PhD training satisfaction during the German COVID-19 lockdown: results from an international research sample. *Scientific Reports*, 12, 22176, OA. doi: [10.1038/s41598-022-26601-4](https://doi.org/10.1038/s41598-022-26601-4). Preprint: [10.31234/osf.io/nv4ut](https://doi.org/10.31234/osf.io/nv4ut) (* Shared first authorship).
- Matyjek, M.** (2022), Social and Non-social Reward Processing in Autism and Autistic Traits. (Doctoral dissertation, Humboldt-Universität zu Berlin), edoc-server, OA: [link](#).
- Schneider, J., **Matyjek, M.**, Dziobek, I., Weigand, A., Brick, T. R. (2022), Subjective and Objective Difficulty of Emotional Facial Expression Perception from Dynamic Stimuli. *PLOS ONE*, OA. doi: [10.1371/journal.pone.0269156](https://doi.org/10.1371/journal.pone.0269156).
- Matyjek, M.**, Bayer, M., Dziobek, I. (2021), Pupillary Responses to Faces are Modulated by Familiarity and Rewarding Context. *Brain Sciences*, 11, 794, OA. doi: [10.3390/brainsci11060794](https://doi.org/10.3390/brainsci11060794).
- Matyjek, M.**, Kroczeck, B., Senderecka, M. (2021), Socially Induced Negative Affect Modulates Early Face Perception, but not Gaze-Cued Attention. *Psychophysiology*, 00:e13876, OA. doi: [10.1111/psyp.13876](https://doi.org/10.1111/psyp.13876).
- Senderecka, M., **Matyjek, M.**, Kroczeck, B., Ociepka, M. (2021), Socially Induced Negative Emotions Elicit Neural Activity in the Mentalizing Network in a Subsequent Cognitive Task. *Neuroscience*, 470, 1-15, OA. doi: [10.1016/j.neuroscience.2021.06.032](https://doi.org/10.1016/j.neuroscience.2021.06.032).
- Matyjek, M.***, Meliss, S.*, Dziobek, I., Murayama, K. (2020), A Multidimensional View on Social and Non-social Rewards. *Frontiers in Psychiatry*, 11, 818, OA. doi: [10.3389/fpsy.2020.00818](https://doi.org/10.3389/fpsy.2020.00818). Preprint: [osf.io/gjfr5](https://doi.org/10.31234/osf.io/gjfr5).
- Matyjek, M.**, Bayer, M., Dziobek, I. (2020), Autistic Traits Affect Reward Anticipation but not Reception. *Scientific Reports* 10, 8396, OA. doi: [10.1038/s41598-020-65345-x](https://doi.org/10.1038/s41598-020-65345-x).
- Senderecka, M., Ociepka, M., **Matyjek, M.**, Kroczeck, B. (2018), Post-Error Brain Activity Correlates with Incidental Memory for Negative Words. *Frontiers in Human Neuroscience*, 12, 178. doi: doi.org/10.3389/fnhum.2018.00178.

SCIENTIFIC PRESENTATIONS

Conference talks:

- Matyjek, M.**, Kita, S., Torralba Cuello, M., Soto Faraco, S., (2024, May). "Multisensory integration of naturalistic speech stimuli in autistic and non-autistic adults." ESCAN 2024, Ghent, Belgium.
- Matyjek M** (2022, July). "Responsiveness to social and non-social rewards in autism and autistic traits." An invited talk within symposium "Learning in social and nonsocial contexts in Autism". ESCAN 2022, Vienna, Austria (by invitation).
- Matyjek M**, Bayer, M., Gawronska S., Dziobek, I. (2021, March). "Brain Responses to Rewards Across the Autism Spectrum." 1st Digital Scientific Conference Autism Spectrum (WTAS), Germany.

- Matyjek M** (2019, November). "Reward Responsiveness in Autistic Traits." The First official European Congress on Clinical Psychology and Psychological Treatment of EACLIP, Dresden, Germany (by invitation).
- Matyjek M** (2019, May). "Early and Late Anticipation of Rewards Across Autistic Traits." Hengstberger Symposium: Social Interaction, Heidelberg, Germany.
- Matyjek M** (2018, October). "How Does the Brain Like Rewards?" Science Polish Perspectives 2018 Berlin.
- Matyjek M, Bayer, M., Dziobek, I.** (2018, April). "The Role of Autistic Traits in Reward Anticipation". NEURONUS 2018 IBRO Neuroscience Forum, Krakow, Poland.
- Matyjek, M.** (2015, April). "The Roles and Reciprocal Influences of Visual Fixations and Emotional Cues in Social Settings." Talk at XLIV International Seminar of Students' Associations, Olsztyn, Poland.

Invited talks:

- Matyjek, M.** (2024, April). "How do the brains of autistic and non-autistic adults integrate audio and visual information in speech?" University of Balearic Islands.
- Matyjek M** (2023, June). "Autism and reward processing". Porto Affective Neuroscience Seminars 2023 at the Universidade de Porto, Portugal, online (by invitation of Prof. Fernando Ferreira-Santos).
- Matyjek M** (2021, April). "Affect in face processing: so fast, so complex, so fundamental". Group seminar at the Universitat de les Illes Balears, Spain online (by invitation of Dr. Alejandro Galvez Pol).

Selected conference posters:

- Matyjek M, Bast N, Soto Faraco S** (2024, March). "Is there a social motion preference in autistic adults?". WTAS 2024, Frankfurt, Germany.
- Matyjek M, Bast N, Soto Faraco S** (2024, January). "Is there a social motion preference in autistic adults?". Experimental Psychology Society Meeting, London, UK.
- Matyjek M, Kita S, Soto Faraco S** (2023, September). "Multisensory integration of speech in social context". 11th IBRO World Congress of Neuroscience, Granada, Spain.
- Matyjek M, Kita S, Soto Faraco S** (2023, June). "Multisensory integration of speech in social context". International Multisensory Research Forum (IMRF) - Brussels, Belgium.
- Matyjek M** (2023, May). "'It takes two': facilitating social interactions in autism – non- autism dyads. A concept poster". CO-ALIGN Conference at Leiden University, the Netherlands.
- Matyjek M, Bayer, M., Gawronska S., Dziobek, I.** (2021, March). "Differential Impact of Autistic Traits and Social Anxiety on Reward Responsiveness Across the Autism Spectrum." 1st Digital Scientific Conference Autism Spectrum (WTAS), Germany.
- Matyjek M, Bayer, M., Dziobek, I.** (2019, March). "Brain and Pupil Responses to Social and Monetary Rewards Across Autistic Traits." MindBrainBody Symposium 2019, Berlin, Germany.
- Matyjek M, Bayer, M., Dziobek, I.** (2018, May). "The Role of Autistic Traits in Reward Anticipation." The Social and Affective Neuroscience Society Annual Meeting, New York, USA.
- Matyjek M, Bayer, M., Dziobek, I.** (2018, March). "The Role of Autistic Traits in Reward Processing." 11th Wissenschaftliche Tagung Autismus-Spektrum, Frankfurt, Germany.
- Matyjek M** (2017, April). "Explicit vs. Implicit Theory of Mind: A Critical Evaluation. Evidence from Autism Research." IX Krakow Cognitive Science Conference: Consciousness, Krakow, Poland.
- Matyjek, M., Kroczeck, B., Senderecka, M.** (2016, April). "Prior Socio-affective Experiences Modulate the Perception of Otherwise Neutral Faces." NEURONUS 2016 IBRO & IRUN Neuroscience Forum, Krakow, Poland.
- Matyjek, M., Kroczeck, B., Senderecka, M.** (2015, October). "Facing Others: Game-Induced Emotions Influence the Perception of Other's Facial Cues." IV Science Polish Perspectives, Cambridge, UK.
- Matyjek, M., Kroczeck, B., Senderecka, M.** (2015, June). "Induced Emotions Influence the Utilisation of Gaze Direction Cues in a Modified Posner Task." MEi:CogSci Conference 2015, Ljubljana, Slovenia.

FUNDING AND AWARDS

- **Juan de la Cierva Fellowship** (2023; declined). Project “Multisensory integration of speech in autism” at University Pompeu Fabra, Barcelona.
- **DAAD PRIME (Postdoctoral Researchers International Mobility Experience) Fellowship** (Oct. 2023 - Mar. 2025). Project “*It takes two*: facilitating social interactions in autism – non-autism dyads” at Humboldt-Universität zu Berlin, Germany, Dartmouth College, US, and University College London, UK.
- **Grant for activities to increase the social impact of research**, Universitat Pompeu Fabra, Barcelona, Spain (Mar. - Dec. 2022). Funding awarded for project “Building bridges for autism: closing the gap between the autism community, society and research”.
- **EUTOPIA Science and Innovation Postdoctoral Fellowship**, European Union’s Horizon 2020 Research and Innovation Programme, Marie Skłodowska-Curie COFUND (945380); Project “Multisensory Integration of Dynamic and Relevant Social Information in Autism Spectrum Disorders” at University Pompeu Fabra, Barcelona, Spain (Oct. 2021 – Oct. 2023).
- **The German Academic Exchange Service (DAAD) PhD funding: Research Grants - Doctoral Programmes in Germany** (Oct. 2017 – Oct. 2019, Oct. 2019 – Oct. 2020, Oct. 2020 – March 2021, March 2021 – Oct. 2021)
- **Rector’s scholarship for the best students at Jagiellonian University**, Krakow, Poland (Oct. 2011 – June 2012 and in Oct. 2012 – June 2013).
- **Erasmus + scholarship** for semester abroad at Mei:CogSci - Middle European Interdisciplinary Master Programme in Cognitive Science at University of Vienna, Austria (Sept. 2014 – Feb. 2015);
- **Australian-European Network full tuition scholarship** for semester abroad in Clinical neuropsychology at University of Wollongong, Australia (July 2013 – Dec. 2013);
- **Travel grants for conferences**: SIPS 2019 pre-conference workshop (Jan. 2019), 11th Wissenschaftliche Tagung Autismus-Spektrum (Mar. 2018).
- **Best talk awards** at: 1) Science Polish Perspectives 2018 Berlin (Oct. 2018), 2) NEURONUS 2018 IBRO Neuroscience Forum (Apr. 2018), 3) XLIV Int. Seminar of Students’ Scientific Associations (Apr. 2015);
- **Best poster awards** at: 1) Annual Poster Presentations of the Berlin School of Mind and Brain (Dec. 2018), 2) NEURONUS 2016 IBRO & IRUN Neuroscience Forum (Apr. 2016), 3) WTAS 2024 (March 2024).
- **Distinction** for the Master’s thesis: “In My Mind’s Eye”: Game-Induced Emotions Influence Face Processing in a Gaze-Cueing Task: an ERP Study.

SUPERVISION

- **Lab rotations: Master students**: R. Flechtner (2017), I. Patronnikov (2018-2019), S. Gawronska (2018-2020), T. Waclawek (2019-2020), R. Oznur (2019-2020), F. Taheri (2020-2021). **Doctoral students**: J. Sander (2021)
- **Master’s thesis**: R. Flechtner (2020-2021)
- **RAs**: P. Ten Ventura (2022), K. Ibanez (2022), P. Sanz Giner (2024)

TEACHING

- Lecture: **social neuroscience**, Cognitive Neuroscience master, Universitat de Barcelona (Nov. 2022/2023)
- Lectures and tutorials: **eye tracking**, Berlin School of Mind and Brain master program (Jan. 2020/2021)
- Lectures: **social interactions and autism**, SCAN master program, Freie Universität (Feb. 2020/2021)
- Tutorial: **EEG data preprocessing**, Berlin School of Mind and Brain master program (Jun. 2020)
- **Empirical research training**, Berlin School of Mind and Brain master program (2017)
- Lecture: **event-related brain potentials**, psychology master program at SWPS (Dec. 2015)

COMMUNITY SERVICE

- **Peer review for Journals:** Behavior Research Methods, Cognitive Processing, Frontiers in Psychiatry, Journal of Experimental Psychology General, Learning and Motivation, PLOS ONE, Psychophysiology, Scientific Reports, Social Neuroscience.
- **Peer review for Grants:** CY Initiative of Excellence (INEX) - CY Generations
- **Representative** of Cohort 1 MSCA EUTOPIA-SIF Postdoctoral Fellowship
- **Examination committee member:** Master of Brain and Cognition - defences (July 2022), UPF

EXTRACURRICULAR ACTIVITIES

- **Scholar Minds Berlin - a mental health initiative for Early Career Researchers.** A co-founder. scholar-minds.net.
- **Science communication:** See lay summaries of all published research and popular science articles at: lenamatyjek.com.
- **Social engagement:** Panelist at "Doctoral opportunities in Germany" (German Ministry of Education and Research) and "Digital credentials in academia" (DAAD, 2021).
- **Summer Schools:** "Berlin - Oxford Summer School on Open, Transparent, And Reproducible Research in The Life Sciences", Germany (2018), "The Social Brain: embodiment and culture", Greece (2017) & Interdisciplinary College "From Neuron to Person: Assembling Behavior and Cognition", Germany (2015)
- **Membership:** The European Society for Cognitive and Affective Neuroscience (ESCAN; from 2020); The European Society of Social and Affective Neuroscience (ESSANl from 2020); Society for Psychophysiological Research (SPR; from 2021); Experimental Psychology Society (from 2023).

SKILLS

- **Programming skills:** R, R Markdown, Matlab, \LaTeX , jspsych (other: ELAN, Brain Vision Analyzer)
- **Language skills:** native Polish, fluent English, intermediate Spanish
- **Certified academic soft-skill courses:** Grant application writing, Speaking with Confidence and Impact, Scientific Presenting, Scientific Writing, Data Publishing, Research Data Management, and Career Planning and Navigation on your way to Professorship, Career Booster, Building Supportive Communities/ Clery Act and Title IX, Human Subject Research, Social Impact of Research, Equality, Diversity, and Inclusion, NHS Data Security Awareness level 1.
- **Non-academic experimnce:** IT and HR support at Consus Carbon Engineering Sp. z o.o. (2011-2014)
- **IT technician degree,** Profesja Centrum Kształcenia Kadr, Krakow, Poland (2011-2013)