

KATARZYNA BOBROWICZ

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EDUCATION

PhD in Cognitive Science

Department of Philosophy and Cognitive Science, Lund University, 2015 – 2019

MA (summa cum laude) in Psychology

University of Warsaw, 2010 – 2015

BA (summa cum laude) in Liberal Arts

University of Warsaw, 2010 – 2013

EMPLOYMENT

Postdoctoral Researcher in Psychology

Department of Behavioural and Cognitive Sciences, University of Luxembourg
(current, 10.2021 – 09.2024)

Postdoctoral Fellow in Psychology

Department of Psychology, Lund University
(06.2020 – 09.2021)

Instructor in Cognitive Development

Lecturing, Supervision and Examination
Department of Psychology, Lund University
(09.2019 – 09.2021)

Researcher

Department of Philosophy and Cognitive Science, Lund University
(10.2019 – 02.2020)

PhD Fellow in Cognitive Science

Department of Philosophy and Cognitive Science, Lund University
(09.2015 – 09.2019)

Principal Investigator in a “**Diamond Grant**” project

Faculty of Psychology, University of Warsaw
(09.2014 – 09.2018)

Research Assistant and **Lab Manager** at **Conceptual Development Lab**

Faculty of Psychology, University of Warsaw
(09.2013 – 08.2015)

TEACHING EXPERIENCE

SPRING 2022 / 4 hours

Guest Lecturer in user experience within *Designing Interactive Systems*
Department of Computer Science, University of Luxembourg

AUTUMN 2021 / 24 hours

Lecturer in statistics within *Structural Equation Models*

Faculty of Humanities, Education and Social Sciences, University of Luxembourg

SPRING 2021 / 233 hours

Lecturer, facilitator and supervisor in cognitive development within *Human development across the lifespan and Psychology as a science - theory of science and research methodology*

Department of Psychology, Lund University

SPRING 2021 / 25 hours

Supervisor of a Master's Thesis in Public Health

Faculty of Medicine, Lund University

AUTUMN 2020 / 233 hours

Lecturer, facilitator and supervisor in cognitive development within *Human development across the lifespan and Psychology as a science - theory of science and research methodology* Department of Psychology, Lund University

SPRING 2020 / 245 hours

Lecturer, facilitator and supervisor in cognitive development within *Human development across the lifespan and Psychology as a science - theory of science and research methodology* Department of Psychology, Lund University

AUTUMN 2019 / 12 hours

Lecturer in animal cognition within the course on *Animal cognition: Thinking from an Evolutionary and Comparative Perspective*

Department of Philosophy and Cognitive Science, Lund University

AUTUMN 2019 / 120 hours

Lecturer, facilitator and supervisor in cognitive development within *Human development across the lifespan*

Department of Psychology, Lund University

SPRING 2019 / 36 hours

Co-supervisor of three **Master's Theses** in **Cognitive Development**

Department of Psychology, Lund University

AUTUMN 2015 – SPRING 2019 / 10 weeks

Pedagogical Trainee

Course Design and Development, Online Networked Learning, Lecturing Skills Development *Division* for Higher Education Development, Lund University

AUTUMN 2014 / 30 hours

Co-author and teacher of two courses: *Freak Days. Insanity and the boundaries of cognition, The Bedlamites' Kingdom: puppets or prophets?*

Faculty of "Artes Liberales", University of Warsaw

SPRING 2014 / 120 hours

Co-author and teacher of one course: *The Bedlamites' Kingdom: animal and human worlds* Faculty of "Artes Liberales", University of Warsaw

PUBLICATIONS

2022

Bobrowicz, K., Han, A., Hausen, J., Greiff, S. (in press). Aiding Reflective Navigation in a Dynamic Information Landscape: A Challenge for Educational Psychology. *Frontiers in Psychology*, 881539. doi : 10.3389/fpsyg.2022.881539

Bobrowicz, K., Sählström, J., Thorstensson, K., Nagy, B., Psouni, E. (2022). Generalizing solutions across functionally similar problems correlates with world knowledge and working memory in 2.5- to 4.5-year-olds. *Cognitive Development*, 62, 101181. doi: 10.1016/j.cogdev.2022.101181

Bobrowicz, K., Greiff, S. (2022). Executive functions in birds. *Birds*, 3(2), 184-220. doi : 10.3390/birds3020013

2021

Bobrowicz, K., O'Hara, M., Carminito, C., Auersperg, A., Osvath, M. (2021). Goffin's Cockatoos (*Cacatua goffiniana*) Can Solve a Novel Problem After Conflicting Past Experiences. *Frontiers in Psychology*, 22, 2600. doi: 10.3389/fpsyg.2021.694719.

2020

Bobrowicz, K., Lindström, F., Lindblom-Loven, M., Psouni, E. (2020) Flexibility in problem solving: analogical transfer of tool use in toddlers is immune to delay. *Frontiers in Psychology*, 11, 573730. doi: 10.3389/fpsyg.2020.573730

Bobrowicz, K., Johansson, M., & Osvath, M. (2020). Great apes selectively retrieve relevant memories to guide action. *Scientific Reports*, 10, 12603. doi: 10.1038/s41598-020-69607-6

Bobrowicz, K., & Osvath M. (2020). Social context hinders humans but not ravens in a short-term memory task. *Ethology*, 126(2), 125-139. doi: 10.1111/eth.12971

2019

Bobrowicz, K. (2019). *Memory for Problem Solving: Comparative Studies in Attention, Working and Longterm memory.* (Doctoral thesis, Lund University, Lund). doi: 10.13140/RG.2.2.21981.77281

Bobrowicz, K., & Osvath, M. (2019). Cognition in the fast lane: ravens' gazes are half as short as humans' when choosing objects. *Animal Behavior and Cognition*, 6(2), 81-97. doi: 10.26451/abc.06.02.01.2019

2018

Bobrowicz, K., & Osvath, M. (2018). Cats Parallel Great Apes and Corvids in Motor Self-Regulation – Not Brain but Material Size Matters. *Frontiers in Psychology*, 9, 1995. doi: 10.3389/fpsyg.2018.01995

Kabadayi, C., **Bobrowicz, K., & Osvath, M. (2018).** The detour paradigm in animal cognition. *Animal Cognition*, 21(1), 21-35. doi: 10.1007/s10071-017-1152-0

2017

Bobrowicz, K., & Haman, M. (2017). Altered video task: a non-verbal measure of what-who-where recall in young children. *Behaviour and Information Technology*, 36(11), 1177-1192. doi: 10.1080/0144929X.2017.1364422

2016

Sauciuc, G.-A., Persson, T., Bååth, R., **Bobrowicz, K., & Osvath, M. (2016).** Affective forecasting in an orangutan: predicting the hedonic outcome of novel juice mixes. *Animal Cognition*, 19(6), 1081-1092. doi: 10.1007/s10071-016-1015-0

2014

Bobrowicz, K., & Bobrowicz, R. (2014). Can cats travel into the past? The choice of exit in the context of who, where and when. *Journal of Veterinary Behaviour: Clinical Applications and Research*, 9(6), e4-e5. doi: 10.1016/j.jveb.2014.09.017

FUNDING & ACADEMIC AWARDS

2022

Transnational Access Visit from the Cohort cOmmunity Research and Development Infrastructure Network for Access Throughout Europe for a research stay at the University College Dublin, Ireland (up to 3 750 EUR)

2021

VR International Postdoc from the Swedish Research Council for a collaborative project between Lund University, Sweden, and Århus University, Denmark (PI; 3 300 000 SEK / 325 000 EUR; **refused** due to the postdoctoral post in Luxembourg)

RJ Project from Riksbanks Jubileumsfond for an individual research project (PI; 2 190 000 SEK / 215 700 EUR; qualified to the final round; **refused** due to the postdoctoral post in Luxembourg)

Entrepreneurial Investment from Innovationskontor Syd for *The Little Helper: testing children's cognition with remote touchscreen devices* (PI; 70 000 SEK / 7 000 EUR)

2020

Research Grant from Stiftelsen Professor Herman Siegvalds och Fru Hilma Siegvalds fond för pedagogisk och psykologisk forskning for “Memory flexibility in 3-5-year-olds” (PI; 26 667 SEK / 2 200 EUR)

Research Grant from Stiftelsen Professor Herman Siegvalds och Fru Hilma Siegvalds fond för pedagogisk och psykologisk forskning for “Memory flexibility in 12-36-month-olds” (PI; 28 334 SEK / 2 800 EUR)

Innovation Funding from Vinnova Sweden’s Innovation Agency for *The Little Helper: testing children's cognition with remote touchscreen devices* (PI; 20 000 SEK / 2 000 EUR)

2019

Entrepreneurial Investment from Innovationskontor Syd for *Zoo Enrichment Solutions* (PI; 100 040 SEK / 10 000 EUR)

Research Grant from The Joint Faculties of Humanities and Theology (PI; 60 000 SEK / 6 000 EUR)

Erasmus+ Staff **Mobility** (10 300 SEK / 1 000 EUR)

Erasmus+ Staff **Mobility** (12 300 SEK / 1 200 EUR)

Research Grant from Kungliga Fysiografiska Sällskapet for “Memory flexibility in Goffin’s cockatoos” (PI; 10 000 SEK / 1 000 EUR)

Innovation Funding from Vinnova Sweden’s Innovation Agency for *Zoo Enrichment Solutions* (PI; 15 000 SEK / 1 500 EUR)

2018

Travel Grant from Fil dr Uno Otterstedts fond (PI; 11 000 SEK / 1 100 EUR)

Research Grant from Stiftelsen Roy och maj Franzens fond for developmental study in collaboration with Department of Psychology (PI; 23 300 SEK / 2 300 EUR)

2017

Research Grant from Knut och Alice Wallenbergs stiftelse (PI; 23 900 SEK / 2 350 EUR)

Research Grant from Stiftelsen Roy och maj Franzens fond (PI; 21 000 SEK / 2 100 EUR)

2011 - 2014

Diamond **Research Grant** from the Polish Ministry of Science and Higher Education for 4-year project “The Uexküllian Theory of Umwelten...” (PI; 194 666 PLN / 42 800 EUR)

Four Annual **Scholarships** of Polish Ministry of Science and Higher Education (52 000 PLN / 11 500 EUR)

Two Annual **Scholarships** of the Rector of the University of Warsaw (12 000 PLN / 2 650 EUR)

CONFERENCE PRESENTATIONS

2022 (pending)

Paper: *Analogical Transfer Despite Misleading Information in Toddlerhood and Beyond. An Eye Tracking Study*. EduEye 2022. Ulm, Germany.

Paper: *Global competency and religious literacy: are we ready for increasingly diverse societies?* European Academy of Religion. Bologna, Italy.

2021

Paper: *Spotlight on Preschoolers: Early Flexibility in Problem Solving*. 21st Conference of Educational Sciences. Szeged, Hungary.

Pitch: *Analogical Transfer despite Misleading Information in 2.5-5.5-year-olds*. LuxERA Emerging Researchers’ Conference 2021. Luxembourg, LU.

Invitee: *Animal Law: Why do we need to work across disciplines?* Summer Course in Animal Law. Aarhus University, DK.

2019

Invitee: *Animals & science: where/why are the planned gaps in our knowledge?* World Conference on Mainstreaming Animal Protection. Helsingør, DK.

2018

Paper: *Delayed transfer of tool use in Goffin's cockatoos*. Parrot Workshop. Vienna, AU.

2017

Paper: *Cylinder size affects cat performance in the motor self-regulation task*. ISAE 2017. Aarhus, DK.

Poster: *Cats parallel great apes and corvids in motor self-regulation, but size matters*. Behaviour 2017. Estoril, PT.

Paper: *Ravens can use their memories of location in problem solving*. Animal Cognition Across Taxa. Lund, SE.

2016

Paper: *Altered video task in 15-month-olds: how to bridge the gap between Tulving's definition and current methods?* International Conference on Memory 2016. Budapest, HU.

Paper: *Temporal perception in ravens: does mammalian three-second window apply to avian visual perception?*

European Conference on Behavioural Biology 2016. Vienna, AU.

Paper: *Altered video task: a promising alternative for elicited/deferred imitation task in young children*. Measuring Behaviour 2016. Dublin, IR.

2014

Posters: *How to measure episodic memory in 12-month-old infants: implications for future research* and *How to measure episodic-like memory in rats and cats: implications for future research*. Measuring Behavior 2014, Wageningen, NL.

Poster: *Can rats travel into the past? Object discrimination in the context of who, where and when*. ISAZ 2014. Vienna, AU.

Poster: *Can cats travel into the past? The choice of exit in the context of who, where and when*. 1st Feline Science Forum. Lincoln, UK.

Poster: *Measuring episodic-like memory in rats and cats*. VII European Conference on Behavioural Biology. Prague, CZ.

Paper and Panel: *On the Verge of Studies and Thought*. Human and Non-human Primates – Crossing the Boundaries. Warsaw, PL.

2013

Paper: *Are Rules the Unique Emanation of the Human Intellect: Group Living and the Emergency of Law*. Rules 2013. Kraków, PL.

Poster: *Can Rats Travel Into the Past? Object Discrimination In the Context of What, Where and When*. Behaviour 2013. Newcastle-upon-Tyne, UK.

2012

Poster: *Hemispheric Specialization in Dogs for Processing of Acoustic Stimuli*. 3rd Canine Science Forum. Barcelona, ES.

Poster: *Do dogs have a Theory of Mind?* Minding Animals 2012. Utrecht, NL.

LANGUAGES

Full Professional Proficiency: **Polish, English**

Professional Working Proficiency: **Swedish**

Limited Working Proficiency: **German, French**

OTHER

Coordinator of the PISA 2025 Team (2022) at the University of Luxembourg

Assistant Editor (2022) for **Learning and Individual Differences**

Handbook Consultant (2021) for **Pearson Education**

Reviewer for **Animal Cognition** (2019-2022), **Behavioral Ecology and Sociobiology** (2020) and **Education Sciences** (2022)

Doctoral Representative in the **Equal Opportunities Group** at the Department of Philosophy, Lund University (2016-2018)

Postdoctoral Representative in the **Women in Science Group** at the Department of Psychology, Lund University (2020-2021)

Member in **INTERCOM: Interspecific Communication Advanced Study Group** at Lund University (2020-2021)

Member in the **International Congress of Infant Studies** (2021-now)

POPULARISATION ACTIVITIES

2019

Public Lecture: *Mistakes as an adaptation: capability of mistakes may help us survive*. HT-Dagarna 2019. Lund, Sweden

2017

Public Lecture: *How clever are cats as compared to ravens and great apes: does brain size matter?* Forskarturnen. Tyringe, Sweden.

Public Lecture: *The length of a moment: how quick are ravens as compared to humans?* Forskarturnen. Landskrona, Sweden.

2013

Public Lecture: *The Uexküllian passages. How animals and humans construct their worlds*. The Academy of Fine Arts. Wrocław, Poland.