

# IZABELĖ JONUŠAITĖ

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## EDUCATION

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### MSc (Research) Brain and Cognitive Sciences

Aug. 2019 – Present

*University of Amsterdam*

*Amsterdam, Netherlands*

- Courses included: Foundations of Neural and Cognitive Modelling (incl. Calculus and Linear Algebra), Higher Cognitive Functions, Cognitive Modelling and Data Analysis, Network Analysis, Bayesian Inference for Psychology, Advanced Neural and Cognitive Modelling
- GPA: 8.7 (equiv. to 4.0 US GPA)

### MA Philosophy

Aug. 2018 – Present

*University of Amsterdam*

*Amsterdam, Netherlands*

- Courses included: Logical Methods in Cognitive Sciences, Philosophy of Cognition, Philosophy of Social Sciences
- GPA: 8.0 (equiv. to 4.0 US GPA)

### BA Philosophy

Oct. 2013 – June 2016

*University of York*

*York, United Kingdom*

- Courses included: Logic, Knowledge & Perception, Knowledge & Reality, Moral Philosophy, Language & Mind, Free Will & Moral Responsibility
- GPA: Upper-second class honours (equiv. to 3.7 US GPA)

## RESEARCH EXPERIENCE

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### Postgraduate Research Fellow

Feb. 2021 – Present

*Computation, Cognition, and Development Lab, Harvard University*

*Cambridge, MA, United States*

- Designing and conducting an experiment about overhypotheses in abductive reasoning about macro-social phenomena. Research question: *Do people prefer systemic over agentive explanations of macro-social phenomena?*
- Developed original experiment materials — vignettes for studying overhypotheses in intuitive sociological theories
- Studied the probabilistic program learning (PPL) framework, Julia and Gen programming languages
- Supervised by Asst. Prof. Tomer Ullman

### Student Research Fellow

Feb. – Aug. 2020

*Institute for Advanced Studies, University of Amsterdam*

*Amsterdam, Netherlands*

- Designed and executed research project (equivalent to a MSc thesis) “Making Up Your Mind: A Hierarchical Bayesian Dual-Process Model of Implicit and Explicit Attitudes”
- Developed original R code for a hierarchical Bayesian model of interacting implicit-explicit attitude dynamics
- Supervised by Prof. Han van der Maas and Casper Hesp, MSc

### Project Researcher/Project Coordinator/Research Assistant

March 2014 – Oct. 2017

*Psychology in Education Research Centre (PERC), University of York*

*York, United Kingdom*

- Conducted a mixed-methods study on the differences in cognitive processing of own performance in expert and novice teachers
- Performed data analysis tasks using MS Excel and SPSS
- Initiated and maintained a partnership between PERC and the Lithuanian Ministry of Education for an implementation of a new national teacher selection methodology: represented PERC at the initial negotiations, led workshops and seminars, performed data analysis during the methodology validation process. Outcome: a national teacher selection system overhaul towards a more evidence-based methodology
- Performed project management tasks for research activity and tracked financial coordination
- Supervised by Prof. Robert Klassen

### Research Assistant

June – Sept. 2015

*Leibniz Institute for Research and Information in Education (DIPF)*

*Frankfurt Am Main, Germany*

- Surveyed, evaluated, and reported on the suitability of different topics across middle school Mathematics curricula of 8 countries for assessment of problem-solving skills in children. The report informed the design of the Organisation for Economic Co-operation and Development (OECD) Teaching and Learning International Survey (TALIS) 2018
- Assisted with conceptual and methodological design of the OECD Programme for International Student Assessment (PISA)
- Performed data processing and analysis tasks using MS Excel and SPSS
- Supervised by Prof. Anna-Katharina Praetorius

## PUBLICATIONS

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**Jonusaite, I.**, Hesp, C., Dalege, J., van der Maas, H. L. (2021). Making Up Your Mind: A Hierarchical Bayesian Dual-Process Model of Implicit and Explicit Attitudes. *Manuscript in preparation*.

**Jonusaite, I.**, Kühn, M., Ma De Sousa, A., Pingouras, A., Zimmerman, M. M. L. (2021). Better Research Practices: Own Your Research Decisions. *ABC Journal*, 11, 40–43.

## CONFERENCE PRESENTATIONS

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**Jonusaite, I.**, Kühn, M., Ma de Sousa, A. Q., Pingouras, A., Zimmerman, M. M. L., Campdepadrós Barrios, J., Carbello, D., Steijger, M., Stojanović, M. (2021). *Bottom-up Curriculum Change: Student Recommendations on More Effective Education about Better Research Practices*. Lightning talk presented at the annual meeting of the Society for the Improvement of Psychological Science.

**Jonusaite, I.**, Hesp, C., van der Maas, H. L. (2020). *Attitudes as Emergent Products of Associative Evaluations, Metacognitive Assessment, and Self-Report: A Computational Approach*. Talk presented at the Neuromatch 3.0 conference, Online.

Boeters, I., Bosch, I., **Jonusaite, I.**, Bormans, D. (2019). *False Beliefs in the Disturbed Emergent Mind: Phase Transitions in the Belief System of Patients in the Prodromal Stage of Schizophrenia*. Poster at the Amsterdam Brain and Cognition Center (ABC) Symposium 'The Emergent Disturbed Mind'.

**Jonusaite, I.**, Kim, L. E., Klassen, R. M. (2017). *Cognitive Processes Underlying Self-Efficacy in Expert, Novice, and Beginning Teachers*. Talk presented at the Teacher Self-Efficacy and Its Development in Diverse Contexts symposium at European Association for Research on Learning and Instruction Conference, Tampere, Finland.

## TALKS AND WORKSHOPS

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**Jonusaite, I.**, Stojanović, M. (2021) *Introduction to Open Science*. An invited workshop at the Research Master Brain and Cognitive Sciences Introduction Day.

**Jonusaite, I.** (2020). *Making Up Your Mind: A Hierarchical Bayesian Dual-Process Model of Implicit and Explicit Attitudes*. A talk at the Institute for Advanced Study (IAS), at the final event of the IAS Excellence Student Programme 2020.

**Jonusaite, I.** (2020). *Making Up Your Mind: A Hierarchical Bayesian Dual-Process Model of Implicit and Explicit Attitudes*. A talk at the Theoretical Neurobiology Group, Wellcome Centre for Human Neuroimaging, University College London.

Klassen, R.M., **Jonusaite, I.**, Kim, L. (2016). *Improving Educational Outcomes by Transforming the Selection of Future Teachers*. A workshop for admitted participants (expert teachers, school psychologists, university lecturers). Vilnius, Lithuania.

## AWARDS

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### IAS Excellence Student 2020

Feb. – Dec. 2020

- Every year, the Institute for Advanced Studies (IAS) at the University of Amsterdam selects a group of Master's students to join the IAS research community and work on their final thesis at the institute. Selection is based on academic achievement and research topic.

### Best Social Innovation Idea | Start-up Pre-Acceleration Programme Futurepreneurs

April 2018

- Developed a prototype of an educational game that helps nurture critical thinking skills in young children
- The development of the game up to this date includes testing the content prototype at a kindergarten for 2 months, creating a network with mentors and potential investors, designing the validation process, specifying the game paradigm that would allow to collect data for scientific research, creating a partnership with a game designer

## SKILLS AND CERTIFICATIONS

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**Programming & Data Analysis:** R/RStudio (dplyr, ggplot2), Python (NumPy, SciPy, PyTorch, TensorFlow), JASP, SPSS, NVivo, Git

**Software for Online Experiments:** Prolific, Amazon Mechanical Turk, Qualtrics

**Languages:** English (full professional), Lithuanian (native), French (intermediate), Dutch (beginner)

**Certifications:** Collaborative Institutional Training Initiative (CITI Program) Certificate

## EXTRACURRICULAR ACTIVITIES

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### **MBCS Open Science Initiative** | *Founder and Chair*

May 2020 – Present

- Founded an initiative that advocates empowering students of the Master in Brain and Cognitive Sciences (MBCS) at the University of Amsterdam to keep up to date with newest advancements and recommendations for best research practices, and promotes development of research-related decision making and critical thinking skills
- Co-authored an article on Open Science and research practices for ABC Journal (Issue 11)
- Consulted and drafted recommendations in collaboration with the MBCS program coordinator to promote a deeper integration of Open Science and Good Research Practices within MBCS
- Set up a journal club focused on current meta-scientific issues
- Leading a team of 8 MBCS students

### **Interdisciplinary Experimental Collective “Interactions”** | *Co-organizer*

Feb. 2020 – Present

- With a group of artists and scientists of diverse backgrounds (systems biology, economics, philosophy, earth science, theatre, dance, poetry, visual art, cognitive science), we develop techniques such as games, writing exercises, and improvisation with different media to explore collective creative thinking and the application of such techniques in scientific practice. The collective is hosted by the Institute for Advanced Studies, University of Amsterdam
- Co-designed and co-piloted IAS ArtScience Summer School 2020
- Co-created a performance on collective thinking “Negative Poetry”, performed in December 2020 as a part of an exhibition by the artist Katarina Petrovic at the Museum of Science and Technology, Belgrade, Serbia
- Co-created an interactive performance on collective thinking “The Wonder Machine”, as a part of the “Blend & Bleed” Symposium, organized by LUCA School of Arts. The performance has been published on the “Art & Education” platform.

## RELEVANT PROFESSIONAL EXPERIENCE

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### **Academic Community Manager**

From Sept. 2021

*Research Master Brain and Cognitive Sciences (MBCS), University of Amsterdam*

*Amsterdam, Netherlands*

- Proposing, planning, and organizing talks and workshops for the MBCS community

### **Teaching Assistant**

July – Sept. 2020

*Research Master Brain and Cognitive Sciences, University of Amsterdam*

*Amsterdam, Netherlands*

- Coached students on preparing and presenting research proposals during an introductory course
- Proposed and executed an online version of introductory activities that spanned throughout the course
- Teaching assessed 8.5 on average by 20 students, equivalent to A+

### **Kindergarden Teaching Assistant**

Dec. 2017 – March 2018

*“Vaikystes Sodas” Kindergarden*

*Vilnius, Lithuania*

- Supervised children from 1.5 to 6 y.o. during playtime and activities
- Assisted teachers with educational activities for different age groups
- Led educational activities in arithmetic, arts & crafts, emotion and communication coaching

### **Freelance Researcher**

Feb. – Aug. 2016

*Karian & Box*

*York, United Kingdom*

- Coded and analysed data for research and consultancy on employee engagement in client companies
- Assisted with preparing final reports and presentations for clients

### **Teaching Assistant**

March – May 2015

*York Students in Schools Programme/Manor Church of England Academy*

*York, United Kingdom*

- Supported Year 8-10 (12-15 y.o.) pupils who needed additional learning assistance in French class

## MEMBERSHIP

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Cognitive Science Society (CSS)

Society for Philosophy and Psychology (SPP)

Society for Mathematical Psychology