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Ruta Binkyte

ID: 15795172 | **Place of birth:** Vilnius, Lithuania | **Nationality:** Lithuanian | **Phone number:** (+33) 659274196 (Mobile) | **Email address:** ruta.binkyte@gmail.com | **Website:** www.rutabinkyte.com | **LinkedIn:** https://www.linkedin.com/in/ruta-binkyte/ | **WhatsApp Messenger:** +33659274196 | **Address:** 22B Rue Principale, 57460, Etzling, France (Home)

ABOUT ME

Researcher in safe and social value-aligned AI, with expertise in fairness, causality, and interdisciplinary methods. I integrate insights from social sciences with advanced methods in data science and computer science to analyze, model, and evaluate risks in complex sociotechnical systems.
Experienced in educating university students and general audiences, leading interdisciplinary projects, international collaboration, and community building.

WORK EXPERIENCE

CISPA HELMHOLTZ CENTER FOR INFORMATION SECURITY, SAARBRÜCKEN, GERMANY – SAARBRÜCKEN, GERMANY

POSTDOCTORAL RESEARCHER – 01/01/2024 – CURRENT

- Research in sociotechnical risk evaluation of AI and data-driven systems.
- Leadership roles: Steering Committee Member, Helmholtz Postdoc Network; elected Postdoc Representative, CISPA
- Supervised by Prof.Dr. Mario Fritz

INRIA SACLAY, IP PARIS, LIX – PARIS, FRANCE

DOCTORAL RESEARCHER (PHD IN COMPUTER SCIENCE) – 01/12/2020 – 01/12/2023

- Research on causality, fairness, and privacy in AI
- Published peer-reviewed articles in ACM FAccT, NeurIPS Workshops, and Information Processing & Management
- Thesis: Advancing Ethical AI: Methods for fairness enhancement leveraging on causality and under privacy constraints (https://polytechnique.hal.science/tel-04407125/)
- Supervised by Prof.Dr. Catuscia Palamidessi

AIVANCITY SCHOOL FOR TECHNOLOGY, BUSINESS & SOCIETY, PARIS-CACHAN – PARIS, FRANCE

ASSOCIATE PROFESSOR (FAIR ML, COURSE ORGANIZER) – 01/09/2022 – 01/01/2023

- Designed and delivered courses on Fair Machine Learning, connecting technical methods with sociotechnical contexts.

INRIA SACLAY – PARIS, FRANCE

RESEARCH ENGINEER – 01/09/2020 – 01/12/2020

- Application of methods of causal discovery and privacy-preserving machine learning

SCIENCES PO MEDIALAB, PARIS – PARIS, FRANCE

DATA SCIENCE INTERN (DIGITAL ART HISTORY PROJECT) – 01/10/2018 – 01/01/2019

- Statistical analysis of art history data from 60 French Art museums

ÉCOLE POLYTECHNIQUE – PARIS, FRANCE

UNIVERSITY TEACHING ASSISTANT PYTHON PROGRAMMING – 01/09/2021 – 01/01/2022

- Helping students in lab exercises for the Python I programming course

EDUCATION AND TRAINING

01/12/2020 – 01/12/2023 Paris, France
PHD IN COMPUTER SCIENCE École Polytechnique Paris, IPP, LIX, Inria

Website https://www.ip-paris.fr/ | **Level in EQF** EQF level 8

01/10/2017 – 01/09/2020 Edinburgh, United Kingdom
MSC WITH DISTINCTION IN DATA SCIENCE, TECHNOLOGY AND INNOVATION The University of Edinburgh

Website https://www.ed.ac.uk/ | **Level in EQF** EQF level 7

01/09/2006 – 01/06/2008 Vilnius, Lithuania
MA IN HISTORY Vilnius University

Website https://www.vu.lt/en/ | **Level in EQF** EQF level 7

01/09/2001 – 01/06/2005 Vilnius, Lithuania
BA IN SOCIOCULTURAL HISTORY AND ANTHROPOLOGY Vilnius University

Website https://www.vu.lt/en/ | **Level in EQF** EQF level 6

HONOURS AND AWARDS

01/07/2025
DFG International Collaboration Grant – DFG

- International collaboration grant (20 000 Euro) with with CSIRO and Macquarie University, Australia

01/10/2025
100 Brilliant Women in AI Ethics (2025) – Women in AI Ethics™ (WAIE)

- *100 Brilliant Women in AI Ethics*™ — a global recognition that highlights outstanding contributions to building responsible, inclusive, and ethical AI. The award celebrates thought leadership and influence in shaping the future of trustworthy AI across technical, social, and policy domains.

Link https://womeninaiethics.org/the-list/of-2025/

01/09/2021
Google Women Techmakers (WTM) Scholar (2021) – Google

- Recipient of the competitive *Google Women Techmakers Scholarship*, awarded to outstanding women in technology for academic excellence, leadership, and commitment to advancing diversity and inclusion in computer science and AI research. Award includes monetary prize (10 000$) and participation in Google organized training events such as Summer of Code.

TEACHING

01/10/2022 – 01/01/2023
Course Organizer and Co-Author, Fair ML, Aivancity School for Technology, Business & Society, Paris-Cachan

Designed and taught a graduate interdisciplinary course on fairness in machine learning, including theory and lab exercises.

01/09/2021 – 01/01/2022
Teaching Assistant in Python Programming, École Polytechnique Paris

Helping students with beginner and intermediate Python coding exercises.

PUBLICATIONS

2025

Interactional Fairness in LLM Multi-Agent Systems: An Evaluation Framework.

Oral presentation

R Binkyte, 2025, AIES

Authors: Ruta Binkyte | **Journal Name**: AAAI/ACM Conference on Artificial Intelligence, Ethics and Society

2024

BABE: Enhancing Fairness via Estimation of Explaining Variables

Oral Presentation

R Binkyte, D Gorla, C Palamidessi Proceedings of the 2024 ACM Conference on Fairness, Accountability, and Transparency

Authors: Ruta Binkyte, Daniele Gorla, Catuscia Palamidessi | **Journal Name**: ACM Conference on Fairness, Accountability, and Transparency | **Volume, Issue and Pages**: 1917-1925 | **Publisher**: Proceedings of the 2024 ACM Conference on Fairness, Accountability, and Transparency

Causal Discovery Under Local Privacy

Write here the description...

R Binkyte, CA Pinzón, S Lestyán, K Jung, HH Arcolezi, C Palamidessi Causal Learning and Reasoning, 325-383

Authors: R Binkyte, CA Pinzón, S Lestyán, K Jung, HH Arcolezi, C Palamidessi | **Journal Name**: Causal Learning and Reasoning | **Volume, Issue and Pages**: 325-383 | **Publisher**: Proceedings of Machine Learning Research

2023

Gender and Sex Bias in COVID-19 Epidemiological Data Through the Lens of Causality

Natalia Díaz-Rodríguez, Rūta Binkytė, Wafae Bakkali, Sannidhi Bookseller, Paola Tubaro, Andrius Bacevičius, Sami Zhioua, Raja Chatila, Information Processing & Management

Authors: Natalia Díaz-Rodríguez, Rūta Binkytė, Wafae Bakkali, Sannidhi Bookseller, Paola Tubaro, Andrius Bacevičius, Sami Zhioua, Raja Chatila | **Journal Name**: Information Processing & Management | **Volume, Issue and Pages**: Vol 60, Issue 3, Pages 103276

2023

Causal Discovery for Fairness

Oral presentations at NeurIPS Workshop Workshop on Algorithmic Fairness through the Lens of Causality and Privacy

R Binkytė, K Makhlouf, C Pinzón, S Zhioua, C Palamidessi Proceedings of Machine Learning Research 214, 7--22

Authors: R Binkytė, K Makhlouf, C Pinzón, S Zhioua, C Palamidessi | **Journal Name**: NeurIPS | **Volume, Issue and Pages**: Vol 214, Pages 7--22 | **Publisher**: Proceedings of the 2024 ACM Conference on Fairness, Accountability, and Transparency

Full list of publications accessible at https://scholar.google.com/citations?user=ujrfUKIAAAAJ&hl=en

NETWORKS AND MEMBERSHIPS

01/11/2024 – CURRENT

Steering Committee Member, Helmholtz Postdoc Network (HAPN)

- *Group member: Postdoc Perspectives at Helmholtz Association Postdoc Network*
- Informational support and advocacy for post-doctoral researchers, especially women and care-givers

01/07/2025 – CURRENT

Elected Postdoc Representative, CISPA

- Representative for postdoctoral researchers
- Participation in management and post-doc support

01/03/2025 – CURRENT

Co-Founcer Women in AI (WAI) Lithuania

- First Lithuanian chapter of the largest international organization representing women in technology
- Curating academic relations

01/10/2024 – CURRENT

Advisory Board Member, Savannah Digital Research Institute

- Consulting on interdisciplinary research and grant acquisition

Link https://sdri.tech/

COMMUNITY AND MEDIA OUTREACH

CURRENT

Media appearances

- The News Radio Interview
- Lithuanian National TV Science Soup
- Lithuanian National TV Portal Interview
- AImpactful AI Interview: Fairness and Causality: Ruta Binkyte's Groundbreaking Research.

Invited Talks and Visibility

- AIVolution, European Parliament, Brussels, 2023 - Invited speaker
- Keio University Tokyo, Franco-Japanese Workshop, 2022, 2024 - Invited speaker
- Causal-T-AI, Paris, 2025 - Invited Speaker

Educational Outreach

- Teachers Lead Tech Mentor (2021) - Data science mentor for primary school pupils in Lithuania
- Big Small Screens: Media literacy curriculum author (2018) - Algorithmic media literacy for high school students in Lithuania

Event Organization

- **Co-Organizer**, *ELSA Workshop on Privacy-Preserving Machine Learning*
- **Organizer**, *Women's Networking Event/Food Art Performance at ECML'24*
- **Organizer**, *Diversity and Inclusion Panel at ECML'24*
- **Co-Organizer**, *Workshop at COMETE Inria on Ethical AI*
- **Co-Organizer**, *Atelier pluridisciplinaire sur la justice sociale, l'équité et les discriminations dans les systèmes algorithmiques*

PROJECTS

01/01/2024 – CURRENT

PriSyn Securely Usable Medical Data

Postdoctoral collaborator, overseeing 2 PhD students, collaboration with DZNE, QuantPi, and Hewlett Packard Enterprise.

Link https://cispa.de/en/prisyn-project

CONFERENCES AND SEMINARS

01/09/2024 – 05/09/2024 Vilnius

Chair for Diversity and Inclusion, ECML PKDD 2024

- Moderator and organizer of D&I panel discussion
- Organizer of Women Networking Event
- Funding and evaluation for D&I scholarships

PC & Reviewing

- 2025 PC Member CSS, Asia
- 2025 PC Member, EU Digital Technologies and Policies (EUDTP)'25.
- 2024 Reviewer, FAccT'24.
- 2023 Program Committee Member, SDS'23.
- 2023 Program Committee Member, EWAF'23.

SKILLS

Digital / Technical Skills

machine learning | python | causal discovery | causal inference | R

Transversal Skills

Scientific communication and public engagement | Project leadership and interdisciplinary collaboration | Diversity and inclusion advocacy

LANGUAGE SKILLS

Mother tongue(s): **LITHUANIAN (NATIVE)**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH (FLUENT, TOEFL IBT 114)	C2	C2	C2	C2	C2
FRENCH	C1	C1	B2	B2	B1
RUSSIAN	C1	C1	B2	B2	A1
GERMAN	B1	B1	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Hiking & Yoga