

## *Curriculum Vitae*

### **Dr. Ozan Altan ALTINOK**

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### **PERSONAL**

Date and Place of birth: 06.05.1989, Miletus - Türkiye

Nationalities: Turkish, German

ORCID: 0000-0003-2239-3258

**Areas of Specialization:** Philosophy of Science, Philosophy of Language, Bioethics, Science and Technology Studies, Meta - Ethics

**Areas of Competence:** Philosophy of Science, Philosophy of Biology, Philosophy of Social Sciences, Bioethics, Social Categories, Reductionism & Emergence, Speech Act Theory, Research Ethics, Epistemic Injustice, Standpoint Theory

### **Current Academic Affiliations;**

Institute of Advanced Studies in Ethics of the Sciences, Leibniz University of Hannover

African Centre for Epistemology and Philosophy of Science, University of Johannesburg

### **Past Academic Employment;**

Post-Doctoral Researcher in Philosophy of the Life Sciences at CELLS [Center for Ethics and Law in the Life Sciences] Leibniz University of Hannover. (January 2024 – January 2025)

Post-Doctoral Researcher in Philosophy of the Life Sciences at CELLS Leibniz University of Hannover within the chair of Responsible Science and Engineering of Prof. Dr. Matthew Sample on project; Cosmopolitanism and Science Governance (January 2023 – December 2023)

May 2021 – December 2022 Post-Doctoral Researcher in the Project REBIRTH (Regenerative Biology and Reconstructive Therapies) CELLS Leibniz University of Hannover.

May 2017 – November 2020; Research assistant in project in Research Training Group

EvoPAD: “*Changes brought by Evolutionary Medicine and New Developments in Evolutionary Theory to the concept of Disease and The Ethical Consequences.*” University of Münster

## **Visiting Fellowships**

University of Wittenberg (May 2025)

Susimetsa, University of Tartu (April 2025)

Foundation Brocher, Geneva, Switzerland (February – March 2025)

Boston University, Center on Forced Displacement (October – November 2024)

University of Bielefeld for InChange (Individualization in Changing Environments) project with Phil in BioMed group with Prof. Dr. Marie Kaiser. (September – December 2022)

## **Education**

2017-2021 **PhD in Philosophy in the EvoPAD project C2**; Disease, health and enhancement as thick concepts in the context of evolutionary medicine. University of Münster, Department of Philosophy, Münster, Germany. Committee: Prof. Dr. Dr. Hc. Michael Quante, Prof. Ulrich Krohs, Prof. MD. Bettina Schöne Siefert, Dr. Simon Derpmann

2012-2016 **MA in Philosophy, with the thesis; “An Account of Reduction in Biology; Practices of Molecular Biology as Instruments”**, Supervised by Prof. Ayhan Sol, Middle East Technical University Institute of Social Sciences Department of Philosophy, Ankara, Turkey

2013 – 2015 **BA in Translation and Interpretation Studies** in Atilim University, Faculty of Foreign Languages, Ankara, Turkey

2008-2012 **BS Molecular Biology and Genetics** Middle East Technical University Faculty of Arts of Sciences, Ankara, Turkey

2003-2007 **Izmir High School of Science**

## **Publications**

### **Books;**

Conceptual and Ethical Challenges of Evolutionary Medicine [Book] **Springer Hardcover ISBN 978-3-031-45765-4 Softcover ISBN 978-3-031-45768-5 eBook ISBN 978-3-031-45766-1**  
<https://link.springer.com/book/9783031457654>

“An Account of Reductionism in Biology [MA Thesis]; Practices of Molecular Biology as Instruments” M.A Thesis; Middle East Technical University Publishing House  
<https://etd.lib.metu.edu.tr/upload/12620595/index.pdf>

### Peer Reviewed Papers

Sakowsky, R., Hoppe, N., **Altinok, O.**, Schweda, M. & Fink, S. (2024). Gelungene Partizipation durch Digitalisierung? Reflexion auf grundlegende Bewertungskriterien der digitalen Laienbeteiligung an Gesundheitsforschung und -politik. [Successful Participation? Reflection on Basic Evaluation Criteria of Lay Participation in Health Research and Policy] In C. Klingler, A. Pichl, S. Schicktanz (Eds.), Transcript. doi: <https://doi.org/10.14361/9783837669268>

Learning from disability studies to introduce the role of the individual to naturalistic accounts of disease. *Medicine Health Care and Philosophy*. (2024) <https://doi.org/10.1007/s11019-024-10216-9>

Low expectations within conservative wing of discourse coalition for innovation and technoscience: integrating vanguard visions to therapeutic consent. *SN Social Sciences* 4, 95 (2024). <https://doi.org/10.1007/s43545-024-00897-7>

“Ethical, Legal and Social Aspects of Human Cerebral Organoids and their Governance in Germany, the UK and the USA” *Frontiers in Cell and Developmental Biology*, 11, 1194706. **With;** Pichl, A., Ranisch, R., A., Antonakaki, M., Barnhart, A. J., Bassil, K., ... & Arnason. Volume 11 - 2023 | <https://doi.org/10.3389/fcell.2023.1194706>

“Of looping kinds and unruly objects: the conceptual making of organoids.” *Molecular Psychology* 2023, 2:7 DIO: (<https://doi.org/10.12688/molpsychol.17527.1>)

“Darwinize it Two Times: on the Possibilities of Extending Evolutionary Medicine through New Developments in Evolutionary Theory” *Azimuth, Darwin’s Tangled Legacy* 2022/1 ISBN: 9788855293365 DOI: [10.1400/289179](https://doi.org/10.1400/289179)

“Thick Concepts as Social Factors of Oppression on Moral Decisions and Injustice” *Chinese Journal of Contemporary Values*. 2022 (04) Page:116-128 <https://philarchive.org/rec/ALTTCA-2>

“Integrating evolutionary aspects into dual-use discussion: the cases of influenza virus and enterohemorrhagic Escherichia coli.” *Evolution, Medicine, and Public Health*, 9(1), 383-392. **With;** Gati, N. S., Kumar, S., Ferrando, V. A., Kurtz, J., Quante, M., ... & Mellmann, A. (2021))” <https://doi.org/10.1093/emph/eoab034m>

“Global epidemiology and evolutionary history of Staphylococcus aureus ST45.” *Journal of*

*Clinical Microbiology*, 59(1), e02198-20. **With:** N. Effelsberg, M. Stegger, L. Peitzmann, G. Coombs, B. Pichon, A. Kearns, P. Randad, S. Bletz, F. Schaumburg, A. Mellmann) DOI: [10.1128/JCM.02198-20](https://doi.org/10.1128/JCM.02198-20)

“Mao’s Marxist Negation of Marxism” Asian Studies Issue 7/1 2019 DOI: <https://doi.org/10.4312/as.2019.7.1.75-96>

### **Book Chapters;**

Bizim Cogrfyamizin Bilim Imgesi [**The Image of Science of Our Geography**] (Turkish) ISBN; 978-625-6775-48-0

### **Forthcoming Book Chapters;**

Observing Animals non ideally, or is there a chance for a new sociobiology for diversity?; (in Metaethics) (Springer, 2026)

Kendinde gerçeğin Ötesinde Gerçekçilik Tartışmaları; Bilimsel gerçekçiliğe güncel bilim ve felsefe ilişkileri içinden eleştirel, disiplinler arası bir yaklaşım. [Discussions on Realism Beyond Truth in Itself; A critical, interdisciplinary approach to scientific realism from within the context of current science and philosophy.] (Fol Publishing House Contemporary Philosophy of Science Series, 2025)

Bir Evrimsel Tıp Felsefesine Doğru [Towards a Philosophy of Evolutionary Medicine] (Fol Publishing House Contemporary Philosophy of Science Series, 2025)

Epistemik Adaletsizlik; Söyleyen, Kavram ve Adaletsiz Söylem Teorisi [Epistemic Injustice: Theory in Science, the Concept, and Unjust Discourse] (Fol Publishing House Contemporary Philosophy of Science Series, 2025)

### **Papers Under Review**

Institutionalized Expectations of Biomedical Ethics – Inapplicability in the Face of State-Sanctioned Violence: Gaza as a Case Study

Mapping ethics, imagination, and practice A comparative study of brain organoids in Germany and the USA

Pathogenicity as a relational property: a pragmatic approach (**with** Ulrich Krohs, Joachim Kurtz, Ulrich Dobrindt, Hanna Klimek, Ana Korsá)

Making Fair Participation A Matter of Conceptual Justice; Three Arguments for Patient Participation in Defining the Concept of Disease

Governing two Imaginations; Post-Colonial Bioethics in the Face of International Collaboration of Science

### **In Preparation**

Certifying from Somewhere, Agent Centered Perspectives on Governing Transparency: Right to know, within the framework of black boxing Machine Learning systems

Tree of life diagrams as constitutive elements of interdisciplinarity from evolutionary theory to evolutionary medicine

### **Book Translations**

Ian Hacking's *Representing and Intervening* from English to Turkish Alfa Publications. 2016.

*Philosophy of Science: The Key Thinkers* from English to Turkish Fol Publishing House. 2020.

### **Book Reviews, Event Reports;**

Altinok, O. (2025). *On the Origin of Being: Understanding the Science of Evolution to Enhance Your Quality of Life*. By Luke Comer and Jenny Powers. | The Quarterly Review of Biology: Vol 100, No 1. <https://doi.org/10.1086/734496>

Altinok, O. *Not a static structure, not science alone, but revolutions*. Metascience (2023). <https://doi.org/10.1007/s11016-023-00919-9>

STSing Leakage Conference Review; <https://easst.net/easst-review/43-2/leakage-revisited/>

### **Scholarships and Awards**

- Travel Funding for ISHPSSB 2025 in Porto (400 Euros)
- Flexible Funds (Leibniz University of Hannover) at the amount of 15000 Euros to Fund my own position and various expenses to develop HEALTH project within the Excellence Cluster (2023)
- InChange (Individualization in Changing Environments) Research Fellowship for three months from University of Bielefeld to work with Prof. Dr. Marie Kaiser [3750 Euros] on Epistemic Niche for Patient's Project (2022)
- Talented Young Researcher Scholarship Award from Scientific and Technological Research Council of Turkey (TUBITAK) 2008-2012 [10000 Euros]
- 5 Travel grants within Leibniz University of Hannover between 2021 – 2024 [2000 Euros]
- Special Mention from Gazi University Medical Ethics Project Conference on Obesity and Ethics 2012

## **Selected Refereed Conference Presentations**

“A Disease vulnerability metaphysics” ISHPSSB, June 2025 Porto

“Imaginations in a Concept; Coalitions and Practices in Conceptualizing Organoids in Germany and the USA” STS Graz, May 2025

“Epistemic agency in the making of concept of disease” Tartu, April 2025

“Making participation an issue of conceptual justice” Participation in Sciences 4<sup>th</sup> meeting, Berlin, December 2024

“Diagrams as constitutive elements of research programmes in interdisciplinarity” Philosophy of Mathematics in the Life Sciences, Lübeck, November 2024

“A Disease vulnerability before disease approach for disease” 5<sup>th</sup> PhilinBioMed Meeting, Bielefeld, October 2024

“Dream a little dream of all our past; Subject in the making of the past” Darwin and Darwinisms, Belgrade, June 2024

“Individual life histories within EES” Individualism Symposium Bielefeld, April 2024

“Epistemic Leakages in Health and Disease”, STSing, Dresden, April 2024

“Post-Colonial Bioethics in the Face of International Collaboration” Black and Brown in Bioethics conference “Engaging Diversity in Bioethics Theory and Practice” Bristol 2024, April

“Transparency and Certification in AI, Between ideals of Science and Representation” Tübingen Master Class on Data Justice 2024, February

“Right to determine the components of “a” concept of Health” Krakow, Bioethics meets Political Philosophy, January 2024

“Making of “our” past, but who's past it is?” Münster Evolution Meeting, April 2023

“Two steps forward, one step back; Low expectations as the conservative wing of coalition for innovation and technoscience; Surfing on the wave of high expectations.” STS Graz Conference 2023

“Who does the explanation in Price Equation?” Predicting Evolution: The Price Equation and Its Applications, Hannover, 2023

“Putnam und Epistemic Ungerechtigkeit in Partizipation” Ethik der Partizipation in Gesundheitsforschung und Biopolitik, Partizipation in Medizin, Hannover, October 2022

“Multiple points of Evolutionary Adaptedness in Human Evolution and Evolutionary Medicine” Evolutionary Medicine Conference, Sicily, August, 2022

“I get to decide what determines me. The agent-based understanding of determinism” Istanbul, Bogazici Conference of Philosophy in the Mediterranean, September 2022

“How did I stop worrying and love biological determinism through Epigenetics” 8th RUB Workshop for History and Philosophy of the Life Science, Postgenomic Determinisms: Enviromental Narratives after the Century of the Gene, Bochum, 2021

“How far can evolutionary theory extend? The need for limitations in theory construction as a challenge to EES” In Evolution Evolving Conference in Cambridge 2019

“From Passive Plasticity to Active Plasticity; A Shift in the Role of Plasticity in the Evolutionary Processes”, Münster Evolution Meeting, Münster, May 2019.

“Omics Revolution in Molecular Biology: From DNA’s “causal bottleneck” to evolutionary processes, what to do when there is no unified scheme?” Summer School in Philosophy of the Life Sciences: Molecular Biology and Evolution, Rijeka, June, 2019

“Hologenome versus Holobiont: A way to Extend Individuality in Vertebrates” in 3rd GWP (German Association for Philosophy) Conference, Cologne. 2019

“Ian Hacking: Limiting Language to Make Place for Reality” in Budapest Academy of Sciences Ian Hacking Conference 2019

“The Generalized Theories of Evolution: Why is it the Theory of Evolution that is Constantly Generalized?” in Düsseldorf Generalized Theory of Evolution Conference. 2018

“A pragmatist solution to problems of reduction in science; molecular biology case” in Middle East Technical University Graduate Conference in Philosophy. 2016

### **Classes Taught;**

1. Philosophy of Evolutionary Medicine MA level, Leibniz University of Hannover (Spring 2024)
2. Epistemic Injustice in Life Sciences MA level, Leibniz University of Hannover (Spring 2022, Fall 2023, Fall 2024)

3. How to Build a Better Concept of Disease (Philosophy of Disease), MA level, Leibniz University of Hannover (Fall 2022, 2023, Spring 2024, Autumn 2024)
4. Conceptual Engineering, MA level, Leibniz University of Hannover (Fall 2022, 2023)
5. Philosophy of Science, BA level, University of Münster (Spring 2020)
6. Philosophy of Biotechnology, MA level, Nesin Mathematics Village Summer School (September 2025)

### **Contributed Summer Schools / Master Classes;**

Nesin Mathematics Village Summer School, Philosophy of Biology, September, 2025

Humboldt Meets Leibniz; New Directions of Biotechnology and Organ Transplantation, Hannover, September 2024

Tübingen Master Class “Data Justice in Healthcare” February 2024

Marcelus Kolleg of University of Heidelberg – At the Limits of Life Summer School, 2023

Center For Ethics and Law in The Life Sciences (LUH) “Constituting Human” 2022 Biology and Ideology

Tübingen International Summer School for Ethical Legal and Social aspects of Brain Organoids 2022

EvoPAD Summer School 2020; Holding Evolution Together

Summer School in Philosophy of the Life Sciences: Molecular Biology and Evolution, Rijeka, June 2019

EvoPAD Summer School 2019; Bioinformatics and Sequencing

EvoPAD Summer School 2018; Animal Behavior and Bioethics

EvoPAD Summer School 2017; Evolutionary Theory, new challenges.

### **Supervision of Researchers in Early Career Phases**

#### **MA. Supervision of the Students;**

**First Supervisor;** Alicia Andrea Castelblanco

**Second Supervisor;** Syed Haider, Adebola Ojo

## **Language Skills**

**Turkish:** Native **English:** Fluent **German:** C1 **Yiddish;** A2

## **Computer Skills**

R, python, MS office

## **Public Engagement and Outreach Experience**

Organized Public Engagement event for REBIRTH at LUH (Die Nacht die Wissen Schaft), (4.11.2023)

Organized “Ich will mein Geld Zurück von Wissenschaft” public engagement event within UniverCity (LUH, Hannover, October 2023)

Co-Organized the conceptual development of MCELS (Multicellular Engineered Living Systems) in Boston Science Days 2022

Participated in Tübingen Brain Organoids, “Did the science lie to you?” (August 2022)

Co – Organized the Summer School; Constituting Human; Cells Summer School; Biolaw, Biofiction and Democracy 2022 August, Hannover

## **Field Work in Biology**

Worked in Prof. Meral Kence’s Laboratory Group for the Project of Determination of the efficient factors in winter survival of *Apis mellifera*. 2011

Worked in Prof. Meryem Beklioğlu’s Laboratory Group for Paleoecological Research on diatomical history of freshwater ecosystems. 2014

## **Administrative & Other**

EvoPAD steering committee PhD student representative 2019 - 2020

Middle East Technical University Debate Society Chair from 2012 to 2014

## **References**

**Dr. Matthew Sample**

Former Professor for Responsible Science and Innovation in CELLS, Leibniz University of Hannover, Independent Researcher

mssample@me.com

**Prof. Dr. Michael Quante**

(Doctoral Supervisor) Dean of Internationalization and Exchange and Chair of Ethics of Science in University of Münster

[michael.quante@uni-muenster.de](mailto:michael.quante@uni-muenster.de)

**Prof. Dr. Ulrich Krohs**

(Doctoral Co-Supervisor) Chair for philosophy of Biology at University of Münster

[ulrich.krohs@uni-muenster.de](mailto:ulrich.krohs@uni-muenster.de)

**Prof. Dr. Ayhan Sol**

Middle East Technical University, Department of Philosophy

[asol@metu.edu.tr](mailto:asol@metu.edu.tr)

**Prof. Dr. Philippe von Basshuysen**

Professor for Public Health Ethics at Center for Ethics and Law in the Life Sciences, Leibniz University of Hannover

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**Prof. Dr. Nils Hoppe**

Dean of Research and the head of Center for Ethics and Law in the Life Sciences, Leibniz University of Hannover

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