

Rachel Gur-Arie, PhD, MS

Email: rgurari1@jhu.edu

Current Position

2022- **Assistant Professor, Health Services Research** (*tenure-track*)
Edson College of Nursing and Health Innovation
Arizona State University, Phoenix, Arizona

Affiliations

2022- Research Associate
Ethox Centre
University of Oxford, Oxford, United Kingdom

Postdoctoral Training

2020-2022 **Hecht-Levi Postdoctoral Fellow in Ethics and Infectious Disease**
Berman Institute of Bioethics, Johns Hopkins University, Baltimore, Maryland
Jointly appointed at the Wellcome Center for Ethics and Humanities, University of Oxford, Oxford, UK
Oxford-Johns Hopkins Global Infectious Disease Collaborative (GLIDE) Fellow
Supported by the Wellcome Trust

Education

- Ph.D. **Ben-Gurion University of the Negev**, Beer Sheva, Israel
2016-2020
Health Systems Management, Faculty of Health Sciences, School of Public Health
“A Case Study Analysis of Communicable Disease Prevention Interventions among Healthcare Personnel (HCP) in Israel”
Advisors: Prof. Nadav Davidovitch and Dr. Anat Rosenthal
- M.S. **Arizona State University**, Tempe, Arizona, USA
2014-2016
Biology and Society (Bioscience Ethics, Policy, and Law)
“[Between Persuasion and Coercion](#): Situating Mandatory Influenza Vaccination Policy of Healthcare Personnel (HCP)”
Advisors: Prof. Jane Maienschein and Prof. Ben Hurlbut
Magna Cum Laude
- B.S. **Barrett, the Honors College at Arizona State University**, Tempe, Arizona, USA
2012-2015
with Honors, Biological Sciences (Biology and Society)
Certificate in History and Philosophy of Science
Summa Cum Laude

Research Specialties

infectious disease ethics, global health, health systems management, qualitative research, decision-making

Research Experience

Ethics and Vaccine Hesitancy among Healthcare Personnel in Ethiopia

Research Lead, 2021-2022, NIH R25 Fogarty Supplement Grant (\$75,000)
Johns Hopkins University School of Public Health, Baltimore, Maryland
Addis Ababa University School of Public Health, Addis Ababa, Ethiopia

Conceptualizing an Ethical Framework of COVID-19 Vaccine Hesitancy among Healthcare Personnel (HCP)

Senior Investigator, 2021-2022 (\$13,000)

Global Health Justice: Duties of International Cooperation for Infectious Disease Control

Senior Investigator, 2021-2022 (\$13,000)

Conceptualizations of Solidarity and Reciprocity in Public Health Emergencies

Senior Investigator, 2021-2022 (\$13,000)

Oxford-Johns Hopkins University Global Infectious Disease Collaborative (GLIDE) Grant
Berman Institute of Bioethics, Johns Hopkins University, Baltimore, Maryland
University of Oxford, Oxford, United Kingdom

Examining attitudes towards participation in research studies among healthcare professionals in Israel

Lead Qualitative Researcher, 2016-2019

Ben-Gurion University of the Negev, Beer Sheva, Israel in collaboration with: Centers for Disease Control and Prevention (CDC), Atlanta, Georgia, USA; Clalit Medical Services, Ramat Gan, Israel

Fulbright U.S. Research Scholar in Public Health July 2015-July 2016

Sponsored by the US Department of State and the Fulbright Israel Commission

Ben Gurion University of the Negev, Beer Sheva, Israel; Sponsor: Prof. Nadav Davidovitch

Consortium for Science, Policy, and Outcomes (CSPO), June-August 2014

Washington, D.C., USA

Intern of Associate Director Dr. Mahmud Farooque

Helios Scholars Program at the Translational Genomics Research Institute (TGen), June-July 2013

Phoenix, Arizona

Intern, Managing Director of Environmental Health and Safety Kathleen Kennedy

The Global Classroom Experiment, January 2013-May 2014

International Sustainability Research Collaboration

Arizona State University, Tempe AZ, and Leuphana University, Luneburg, Germany

Awards

Zuckerman Institute-Israeli Council for Higher Education Women Postdoctoral Scholar (\$60,000), 2020-2022

Global Young Scientists Summit (GYSS) Acceptee, National Research Foundation, Prime Minister's Office, Singapore, January 2020

The Edward and Eva Underwood Charitable Foundation Scholarship, 2018, 2019

Israeli Absorption in Science Ministry PhD Fellowship, January 2017-January 2020

STEP (Students Towards Establishing Peace) Graduate Student Fellowship, June 2016-2018

Arizona State University SOLS Biological Sciences (Biology and Society) Student of the Year, Spring 2015

Arizona State University CLAS Graduate Student Excellence Award, Spring 2015

First Place, Science in Society Category at AAAS Annual Meeting Student Poster Competition, 2015

College of Liberal Arts and Sciences (CLAS) Dean's List, Fall 2012-Spring 2015

Publications

Peer-Reviewed Academic Journals (*=co-first authors)

Published

1. Bardosh, K., de Figueiredo, A., **Gur-Arie, R.**, Jamrozik, E., Doidge, J.J., Lemmens, T., Keshavjee, S., Graham, J., Baral, S. (2022). [The Unintended Consequences of COVID-19 Vaccine Policy: Why Mandates, Passports, and Segregated Lockdowns May Cause more Harm than Good.](#) *BMJ Global Health*. [IF: 5.558; Rank: Public, Environmental, & Occupational Health 27/203 Q1]
2. **Gur-Arie, R.**, Davidovitch, N., Rosenthal, A. (2022) “[‘Intervention Hesitancy’: Broadening the understanding of vaccine hesitancy among healthcare personnel](#)”. *Monash Bioethics Review*. [IF: 0.59 Rank: Ethics 46/71 Q3]
3. Zavala, E., Krubiner, C.B., Jaffe, E.F. Nicklin, A., **Gur-Arie, R.**, Wonodi, C., Faden, R.R., Karron, R.A. (2022) “[Global Disparities in Public Health Guidance for the use of COVID-19 Vaccines in Pregnancy](#)”. *BMJ Global Health*. [IF: 5.558; Rank: Public, Environmental, & Occupational Health 27/203 Q1]
4. Wonodi, C., Obi-Jeff, C., Adewunmi, F., Keluo-Udeke, S.C., **Gur-Arie, R.**, Krubiner, C., Jaffe, E.F., Bamiduro, T., Karron, R., Faden, R.R. (2022) “[Conspiracy theories and misinformation about COVID in Nigeria: implications for vaccine demand generation communications](#)”. *Vaccine*. [IF: 3.641; Rank: Immunology 65/177 Q2, Medicine, Research & Experimental 73/188 Q2]
5. Bardosh, K., de Figueiredo, A., **Gur-Arie, R.**, Jamrozik, E., Doidge, J.J., Lemmens, T., Keshavjee, S., Graham, J., Baral, S. (2022). [The Unintended Consequences of COVID-19 Vaccine Policy: Why Mandates, Passports, and Segregated Lockdowns May Cause more Harm than Good.](#) Preprint, *SSRN*.
6. Lee, C., Holroyd, T., **Gur-Arie, R.**, Sauer, M., Zavala, E., Paul, A.M., Shattuck, D., Karron, R.A., Limaye,

- R.J. (2022) "[COVID-19 vaccine acceptance among Bangladeshi adults: Understanding predictors of vaccine intention to inform vaccine policy](#)". *PLOS One*. [IF: 3.240; Rank: Multidisciplinary Sciences 26/72 Q2]
7. **Gur-Arie, R.**, Johnson, S.B., Collins, M. (2022) "[Advocating for Children during the COVID-19 Pandemic: The Case Study of the Johns Hopkins Consortium for School-Based Solutions and the eSchool+ Initiative](#)". *Israel Journal of Health Policy Research*. [IF: 2.385; Rank: Health Policy & Services 51/88 Q3, Public, Environmental, & Occupational Health 93/176 Q2]
 8. Kraaijeveld, S.R., **Gur-Arie, R.**, Jamrozik, E. "[Against Mandatory COVID-19 Vaccination of Healthy Children](#)". *Bioethics*. [IF: 1.898; Rank: Ethics 24/56 Q2, Medical Ethics 10/16 Q3]
 9. **Gur-Arie, R.**, Jamrozik, E., Kraaijeveld, S.R. (2021) "[An Ethical Analysis of Vaccinating Children against COVID-19: Benefits, Risks, and Issues of Global Health Equity](#)". *Wellcome Open Research*. [IF: 2.73; Rank: Biochemistry, Genetics and Molecular Biology (miscellaneous) Q1, Medicine (miscellaneous) Q1]
 10. **Gur-Arie, R.**, Berger, Z., Rubinstein Reiss, D. (2021) "[COVID-19 Vaccine Distribution Policies through the Lived Experiences of Healthcare Personnel \(HCP\): Policy and Legal Considerations](#)". *Health Equity*. [IF: 1.96; Rank: Health (social science) Q1, Health Information Management Q2, Health Policy Q2, Public Health, Environmental and Occupational Health Q2]
 11. **Gur-Arie, R.**, Katz, M.A., Hirsch, A., Greenberg, D., Malosh, R., Newes-Adeyi, G., Davidovitch, N., Rosenthal, A. (2021) "[You Have to Die Not to Come to Work: A Mixed Methods Study of Attitudes and Behaviors regarding Presenteeism, Absenteeism and Influenza Vaccination among Healthcare Personnel with Respiratory Illness in Israel, 2016-2019](#)". *Vaccine*. [IF: 3.641; Rank: Immunology 65/177 Q2, Medicine, Research & Experimental 73/188 Q2]
 12. **Gur-Arie, R.**, Jamrozik, E., Kingori, P. (2021) "[No Jab, No Job? Ethical Issues in Mandatory COVID-19 Vaccination of Healthcare Personnel](#)". *BMJ Global Health*. [IF: 5.558; Rank: Public, Environmental, & Occupational Health 27/203 Q1]
 13. Hutler, B.* and **Gur-Arie, R.***. "[Legal and Ethical Considerations for COVID-19 Vaccination Mandates for Healthcare Workers](#)" (2021) *Mid-Atlantic Ethics Committee Newsletter*. University of Maryland Francis King Carey School of Law and the Maryland Healthcare Ethics Committee Network. [No IF or Rank available]
 14. **Gur-Arie, R.** "[Maximizing influenza vaccination uptake among healthcare personnel in Israel: lessons learned from mandatory vaccination policy in the United States](#)". (2020) *Israel Journal of Health Policy Research*. 2019. [IF: 2.385; Rank: Health Policy & Services 51/88 Q3, Public, Environmental, & Occupational Health 93/176 Q2]
 15. Tur-Sinai, A.*, **Gur-Arie, R.***, Davidovitch, N., Kopel, E., Glazer, Y., Anis, E., Grotto, I. "[Vaccination Uptake and Income Inequalities within a mass vaccination campaign](#)". (2019) *Israel Journal of Health Policy Research*. [IF: 2.385; Rank: Health Policy & Services 51/88 Q3, Public, Environmental, & Occupational Health 93/176 Q2]
 16. Schneider, A. and **Gur-Arie, R.** "[Negotiating Academia, Successfully and Ethically](#)". *The International Journal of Conflict Engagement and Resolution*. 2018. [No IF or Rank available]
 17. Hirsch, A...**Gur-Arie, R.**...et al. "[Study of Healthcare Personnel with Influenza and other Respiratory Viruses in Israel \(SHIRI\): study protocol](#)". *BMC infectious diseases*. 2018. [IF: 3.090; Rank: Infectious Diseases 57/93 Q3]
 18. **Gur-Arie, R.**, "[Skinner v. Oklahoma](#)". (2016) *Embryo Project Encyclopedia*. [No IF or Rank available]
 19. **Gur-Arie, R.**, "[Eugenical Sterilization in the United States](#)". (2015) *Embryo Project Encyclopedia*. [No IF or Rank available]
 20. **Gur-Arie, R.** "[American Eugenics Society](#)". (2014) *Embryo Project Encyclopedia*. [No IF or Rank available]
 21. **Gur-Arie, R.**, "[Cold Spring Harbor Laboratory](#)". (2014) *Embryo Project Encyclopedia*. [No IF or Rank available]
 22. **Gur-Arie, R.**, "[Harry H. Laughlin](#)". (2014) *Embryo Project Encyclopedia*. [No IF or Rank available]

Accepted

1. Hutler, B. Blasimme, A., **Gur-Arie, R.** Ali, J., Barnhill, A., Regenber, A. Perkins, N., Kahn, J., Vayena, E. "Assessing the Governance of Digital Contact Tracing in Response to COVID-19: Results of a Multi-National Study". *Journal of Medicine, Law & Ethics*. Publication Date: Summer 2022. [IF: 0.968; Rank: Ethics 25/51 Q2]

In Revision

1. Kraaijeveld, S.R., **Gur-Arie, R.**, Jamrozik, E. "A Scalar Approach to Vaccination Ethics". *Bioethics*. [IF: 1.898; Rank: Ethics 24/56 Q2, Medical Ethics 10/16 Q3]

Under Review

1. **Gur-Arie, R.**, Hutler, B., Bernstein, J. “The Ethics of Mandatory COVID-19 Vaccination of Healthcare Workers: Public Health and Clinical Perspectives”. *Bioethics*. [IF: 1.898; Rank: Ethics 24/56 Q2, Medical Ethics 10/16 Q3]
2. Limaye, R.J., Paul, A., **Gur-Arie, R.**, Zavala, E., Lee, C., Feshaye, B., Singh, P., Njagi, W., Odila, P., Munyao, P., Njogu, R., Mutwiwa, S., Noguchi, L., Morgan, C., Karron, R. “A socio-ecological exploration to identify factors influencing the COVID-19 vaccine decision-making process among pregnant and lactating women: Findings from Kenya”. *Vaccine*.
3. Limaye, R.J., Paul, A., Singh, P., Zavala, E., **Gur-Arie, R.**, Karron, R. “How do vaccine hesitant healthcare workers communicate about COVID-19 vaccines to their pregnant and lactating patients? An exploratory study among Kenyan healthcare workers”. *Journal of Community Health*.

In Progress

1. **Gur-Arie, R.**, Helbig, A., Jamrozik, E., Limaye, R., Kingori, P., Ali, J. “An International Scoping Review of Healthcare Worker Professional Guidelines: Implications for Vaccine Hesitancy”.
2. **Gur-Arie, R.**, Huterl, B., Blasimme, A., Vayena, E. “The Rise and Fall of Vaccine Mandates”.

Articles submitted for publication in a conference proceeding volume that has undergone scientific review

1. **Gur-Arie, R.** “[A Case-Study Analysis of Communicable Disease Prevention Interventions Among Healthcare Personnel \(HCP\) in Israel](#)”. (2020) In *International Journal of Qualitative Methods*. (Vol. 19). 2455 Teller Rd, Thousand Oaks, CA 91320 USA: Sage Publications Inc. [IF: 2.767; Rank: Social Sciences, Interdisciplinary 29/109 Q2]
2. Gur-Arie, R. “[A Comparative Analysis of Influenza, Tuberculosis, and Hepatitis B Vaccination Policies among Healthcare Personnel \(HCP\)](#).” (2018) In APHA's 2018 Annual Meeting & Expo (Nov. 10-Nov. 14). [IF: 9.308; Rank: Public, Environmental, & Occupational Health 9/203 Q1]
3. Tur-Sinai, A., **Gur-Arie, R.**, Davidovitch, N., Kopel, E., Glazer, Y., Anis, E., & Grotto, I. (2019). “[Socioeconomic Status, Health Inequalities, and Solidarity Trends in a Mass Vaccination Campaign](#)”. In *European Journal of Public Health*, 29 (Supplement_4), ckz185-404. [IF: 3.367; Rank: Public, Environmental, and Occupational Health 45/176 Q2]
4. Schenker, I., Weksler, D., Janani, S., **Gur-Arie, R.**, Kushnir, T., Davidovitch, N. (2017) “[Interactive Training in Emergency Preparedness and Response \[EPR\]: Innovative Class Simulation Module that Helped Save Lives in Recent India Floods](#).” In *Annals of Global Health*. [IF: 2.462; Rank: Public, Environmental, and Occupational Health 114/203; Q3]

Popular News Outlets (*=co-first authors)

1. **Gur-Arie, R.**, “[What We Want from Science](#)”. International Policy Digest, 11 November 2015.
2. Abboud, A*, and **Gur-Arie, R.***, “[What Agent Orange Tells Us About Anti-Vaxxers](#).” Slate, 1 July 2015.

Teaching Experience

Applied Public Health Ethics and Decision Making, Spring 2022

Department of Philosophy, Undergraduate Minor in Bioethics, Johns Hopkins University, Baltimore, Maryland

Germs, Genes, Patients, and Populations, Spring 2021

Master's in Bioethics (MBE) Course; Teaching Assistant/Co-Lecturer

Johns Hopkins University Berman Institute of Bioethics, Baltimore, Maryland

Health In the Age of Globalization, Spring Semesters 2017-2020

Undergraduate/Graduate Level Course (in English); Teaching Assistant: 2017-2019; Lecturer: 2020

Ben-Gurion University of the Negev, Beer Sheva, Israel

Service

Wellcome Open GLIDE Gateway Advisor, 2022-Present

2022 Oxford Global Health & Bioethics International Conference Planning Committee Member, 2021-Present

Anti-Racist Reading Group Leader

Berman Institute of Bioethics, Johns Hopkins University, 2020-Present

Global Health International Seminar Student Coordinator, Summers 2016-2020
Ben-Gurion University of the Negev, Beer Sheva, Israel

TEDxBGU Coordinator, 2016
Ben-Gurion University of the Negev, Beer Sheva, Israel

AAAS Coalition for Students for Science and Human Rights, 2015-2016
Executive Director

Resident Assistant (RA), 2014-2015
Upperclassmen Community at Barrett, the Honors College at Arizona State University

REACH at the Boys and Girls Club, Tempe, AZ, 2013-2015
Executive Director, 2014-2015

Tillman Scholar, Arizona State University, 2013-2014
Pat Tillman Leadership Through Action Program, Arizona State University

The Barrett Mentoring Program, Mentee, 2012-2013; Mentor, 2013-2014
Arizona State University

Invited Talks

Exploring the Ethical Dimensions of COVID-19 Vaccine Hesitancy among Healthcare Workers
International Vaccine Access Center at the Bloomberg School of Public Health
Johns Hopkins University, April 28, 2022

Ethical Challenges in Vaccine Hesitancy Research
Hot Topics in Research Ethics, Master of Health Research Ethics (MOHRE) Programme
University of Malaysia Faculty of Medicine, April 11, 2022

Unintended Consequences of COVID-19 Vaccine Mandates
Mary and Philip Seeman Health Law, Policy, and Ethics Seminar Series
University of Toronto Faculty of Law, March 31, 2022

Ethical Aspects of Mandatory COVID-19 Vaccine Mandates for Healthcare Workers
ETHix Series, Health Ethics & Policy Lab
ETH Zurich, October 11, 2021

No Jab, No Job? Ethical Issues in Mandatory COVID-19 Vaccination of Healthcare Personnel
University of Pennsylvania Radiology Journal Club, June 27, 2021

Presentations

Conceptualizing an Ethical Framework of COVID-19 Vaccine Hesitancy among Healthcare Personnel (HCP)
Oxford Global Health and Bioethics International Conference
University of Oxford, Oxford, United Kingdom, June 27-28, 2022

Conceptualizing an Ethical Framework of COVID-19 Vaccine Hesitancy among Healthcare Personnel (HCP)
16th World Congress of Bioethics
Institute for Biomedical Ethics, University of Basel, Basel Switzerland, July 20-22, 2022

Conceptualizing an Ethical Framework of COVID-19 Vaccine Hesitancy among Healthcare Personnel (HCP)
American Public Health Association (APHA) 2021 Annual Meeting, October 2021

Conceptualizing an Ethical Framework of COVID-19 Vaccine Hesitancy among Healthcare Personnel (HCP)
American Society for Bioethics and Humanities (ASBH) 2021 Annual Meeting, October 2021

A Case Study Analysis of Disease Prevention Interventions among Healthcare Personnel (HCP)
American Association for the Advancement of Science (AAAS) Annual Meeting, February 2021
Online (due to COVID-19 pandemic)

A Case Study Analysis of Disease Prevention Interventions among Healthcare Personnel (HCP)
Qualitative Health Research Conference 2019, October 28, 2019
Vancouver, Canada

A Case Study Analysis of Disease Prevention Interventions among Healthcare Personnel (HCP),
International Health Congress 2019, June 27, 2019
St. Hugh's College, University of Oxford, United Kingdom

A Case Study Analysis of Disease Prevention Interventions among Healthcare Personnel (HCP)
Israeli National Public Health Conference, June 6, 2019
Ramat Gan, Israel

A Case Study Analysis of Communicable Disease Prevention Interventions among Healthcare Personnel
The American Public Health Association (APHA) Annual Meeting, November 11-14, 2018
San Diego, California

Between Persuasion and Coercion: Situating Mandatory Vaccination of Healthcare Personnel
Society for the Social Studies of Science Annual Meeting (4S): Transnational STS, August 29-September 1, 2018
Sydney, Australia

Situating Mandatory Vaccination Among Healthcare Personnel
Israeli National Public Health Conference, June 4, 2018
Ramat Gan, Israel

Attitudes toward Morbidity from Influenza and Respiratory Illness, and influenza vaccination, among Healthcare Professionals, June 6, 2017
Israeli National Public Health Conference
Ramat Gan, Israel

“Vaccines as Conflict (And Solution): Questions of Public Health Policy and Ethics, July 13, 2016
International Conference of Technology, Science, and Knowledge in Jewish Law and Ethics
Tel Aviv, Israel

“The Place of Transdisciplinarity and Epistemological Pluralism”, June 14, 2016, in collaboration with
Dr. Marcia Sokolowski, Baycrest Medical Center/University of Toronto, Toronto, Canada
Beer Sheva, Israel

“Israeli vs. American Public Health Policy”, March 7, 2016
Fulbright Enrichment Seminar
Rabat, Morocco

“Moroccan Roots, American Upbringing”, March 9, 2016
Ben M'Sik University
Casablanca, Morocco

“University Student Knowledge and Perception of Influenza”, April 10, 2015
American Association for the Advancement of Science (AAAS) at STGlobal 2015
Washington, D.C.

“University Student Knowledge and Perception of Influenza”, February 14, 2015
2015 AAAS Annual Meeting Student Symposium, Poster Presenter
San Jose, California

“Influenza Preparedness”, May 29, 2014

The Global Classroom: Are Sustainable Cities a Contradiction in Terms? Symposium at the Warburg-Haus
Hamburg, Germany

“Promoting a Culture of Safety Through an Injury and Illness Plan (I2P2)”, February 15, 2014

2014 AAAS Annual Meeting Student Symposium, Poster Presenter
Chicago, Illinois

“Diversity in Decision Making”, November 7, 2013

[Ignite @ ASU](#)

Phoenix, Arizona

“Promoting a Culture of Safety Through an Injury and Illness Plan (I2P2)”, July 26, 2013

Translational Genomics Research Institute (TGen) Helios Scholar Symposium, Oral Presenter
Phoenix, Arizona

Seminars, Conferences, and Meetings

Harvard Science, Technology, and Society (STS) Summer School, August 2021

EuroMUN, May 2-9, 2016

Ben-Gurion University of the Negev Model United Nations Delegation
Maastricht, Netherlands

Fulbright Enrichment Seminar, March 6-10, 2016

Rabat and Casablanca, Morocco

National Public Health Law Conference: Intersection of Law, Policy, and Prevention, October 16-17, 2014

The Network for Public Health Law
Atlanta, Georgia

O’Neill Institute Summer Program, US Health Reform & the ACA and Food and Drug Law, July 14-21, 2014

O’Neil Institute for National and Global Health Law at Georgetown Law
Washington, D.C.

AAAS Science and Human Rights Coalition Meeting, July 14-15, 2014

American Association for the Advancement of Science (AAAS) Headquarters
Washington, D.C.

Clinton Global Initiative University 2014, March 21-24, 2014

Arizona State University, Tempe, Arizona

Languages English (Mother Tongue); Hebrew (Fluent – Professional)