

1. Record Nr.	UNINA9910808030003321
Autore	Shostak Sara
Titolo	Exposed science [[electronic resource] ] : genes, the environment, and the politics of population health // Sara Shostak
Pubbl/distr/stampa	Berkeley, : University of California Press, c2013
ISBN	0-520-95524-2
Descrizione fisica	1 online resource (312 p.)
Disciplina	613/.1
Soggetti	Environmental health - Political aspects Health risk assessment Pollution - Environmental aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Acknowledgments -- Introduction -- 1. "Toxicology Is a Political Science" -- 2. The Consensus Critique -- 3. Susceptible Bodies -- 4. "Opening the Black Box of the Human Body" -- 5. Making a Molecular Regulatory Science -- 6. The Molecular is Political -- Conclusion -- Afterword -- Appendix A -- Notes -- Glossary -- References -- Index
Sommario/riassunto	We rely on environmental health scientists to document the presence of chemicals where we live, work, and play and to provide an empirical basis for public policy. In the last decades of the 20th century, environmental health scientists began to shift their focus deep within the human body, and to the molecular level, in order to investigate gene-environment interactions. In Exposed Science, Sara Shostak analyzes the rise of gene-environment interaction in the environmental health sciences and examines its consequences for how we understand and seek to protect population health. Drawing on in-depth interviews and ethnographic observation, Shostak demonstrates that what we know - and what we don't know - about the vulnerabilities of our bodies to environmental hazards is profoundly shaped by environmental health scientists' efforts to address the structural vulnerabilities of their field. She then takes up the political effects of this research, both from the perspective of those who seek to establish genomic technologies as a new basis for environmental regulation, and

from the perspective of environmental justice activists, who are concerned that that their efforts to redress the social, political, and economical inequalities that put people at risk of environmental exposure will be undermined by molecular explanations of environmental health and illness. Exposed Science thus offers critically important new ways of understanding and engaging with the emergence of gene-environment interaction as a focal concern of environmental health science, policy-making, and activism.

---