

1. Record Nr.	UNINA9910483556203321
Autore	Crinson Iain
Titolo	The Biomedical Sciences in Society : An Interdisciplinary Analysis // by Iain Crinson
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Palgrave Macmillan, , 2021
ISBN	9789811595233 9811595232
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (ix, 203 pages) : illustrations
Disciplina	301.24
Soggetti	Science - Social aspects Social medicine Medicine - Research Biology - Research Science and Technology Studies Medical Sociology Biomedical Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1: An Introduction to Interdisciplinarity and the Social Studies of Science and Technology -- Chapter 2: An introduction to the Philosophy of Science -- Chapter 3: Laboratory Studies, Epistemic Cultures, and the Routines of Scientific Work -- Chapter 4: The 'Gaze' of the Neurosciences -- Chapter 5: The Neuro Enculturation of the Social World -- Chapter 6: Genomics in an era of Personalised Medicine -- Chapter 7: Social Implications of the Epigenetics 'Revolution' -- Chapter 8: Governance 1 - Trust, Policy, and the Public Understanding of Science -- Chapter 9: Governance 2 - Regulation, Consent, Biobanks and Big Data -- Chapter 10: Gendering Biomedical Science -- Chapter 11: Conclusion.
Sommario/riassunto	This textbook provides a comprehensive introduction to the interdisciplinary field of the Social Studies of Science and Technology (SSST). Over the past two decades, the biomedical sciences have transformed our understanding of the relationship between the social

and natural worlds, while its 'promissory visions' are seen to offer extraordinary opportunities for economic and social development. But alongside these scientific innovations have emerged new, and frequently unanticipated social, political, bioethical, and legal dilemmas and challenges. This cutting-edge text explores 'post-genomic' developments in the field of pharmacogenomics and the prospects for a new 'precision' or personalised medicine; the potential of environmental epigenetics to reconfigure the boundaries of the social and natural worlds; the emergence of an array of 'neuro-disciplines', seeking to identify the neural basis of a whole range of social and economic behaviours; and the challenges of constructing a coherent and robust governance framework for the conduct of biomedical science research and innovation, responsive to the social and health needs of the whole population.

---