Record Nr. UNINA9910324949603321 Autore Massimi Michela Titolo Understanding perspectivism: scientific challenges and methodological prospects / / edited by Michela Massimi and Casey D. McCoy Pubbl/distr/stampa Taylor & Francis, 2020 New York, NY:,: Routledge,, [2020] **ISBN** 1-351-38339-6 1-315-14519-7 Descrizione fisica 1 online resource (x, 200 pages): illustrations; digital file(s) Collana Routledge studies in the philosophy of science Disciplina 501 PHILOSOPHY / General Soggetti SCIENCE / Philosophy & Social Aspects Science - Philosophy Opinion (Philosophy) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Table of Contents Introduction Michela Massimi and Casey D. McCoy Chapter 1. Pragmatism, Perspectivism, and the Historicity of Science Hasok Chang Chapter 2. Explanation, interdisciplinarity, and perspectives Melinda Bonnie Fagan Chapter 3. What is Perspectivism. and Does it Count as Realism? Paul Teller Chapter 4. Realism and Explanatory Perspectives Juha Saatsi Chapter 5. Universality and the Problem of Inconsistent Models Collin Rice Chapter 6. Representationalism in Measurement Theory, Structuralism or Perspectivalism? Johanna E. Wolff Chapter 7. Safe-and-substantive perspectivism David Danks Chapter 8. Charting the Heraclitean Brain: Perspectivism and Simplification in Models of the Motor Cortex Mazviita Chirimuuta Chapter 9. Cancer Modeling: the Advantages and Limitations of Multiple Perspectives Anya Plutynski Chapter 10. Perspectives, Representation, and Integration Sandra D. Mitchell Sommario/riassunto This edited collection is the first of its kind to explore the view called perspectivism in philosophy of science. The book brings together an array of essays that reflect on the methodological promises and

scientific challenges of perspectivism in a variety of fields such as

physics, biology, cognitive neuroscience, and cancer research, just as a few examples. What are the advantages of using a plurality of perspectives in a given scientific field and for interdisciplinary research? Can different perspectives be integrated? What is the relation between perspectivism, pluralism, and pragmatism? These ten new essays by top scholars in the field offer a polyphonic journey towards understanding the view called 'perspectivism' and its relevance to science.