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Titolo	Traces : generating what was there // Bettina Bock von Wulfingen, editor
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ISBN	3-11-053483-5 3-11-053506-8
Descrizione fisica	1 online resource (124 pages) : illustrations, photographs
Disciplina	571.6
Soggetti	Cell interaction Systemic memory hypothesis Cellular recognition Evidence
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Inhalt -- Editorial -- Image Description -- Layers of Operation. Lars Leksell's Neurosurgical Planning Image / Friedrich, Kathrin -- Description, Experiment, and Model. Reading Traces in Paleobiological Research Exemplified by a Morpho-functional Analysis / Nyakatura, John A. -- Image Description -- Visualizing Viruses. Notes on David S. Goodsell's Scientific Illustrations and Their Use in Molecular Biology between Picture Model and Trace / Amelung, Kathrin M. / Stach, Thomas -- Microscopic Imaging. Interference, Intervention, Objectivity / Weiss, Dieter G. / Jirikowski, Günther / Reichelt, Stefanie -- "It is not enough, in order to understand the Book of Nature, to turn over the pages looking at the pictures. Painful though it may be, it will be necessary to learn to read the text." Visual Evidence in the Life Sciences, c. 1960 / Chadarevian, Soraya de -- Giving a Theory a Material Body. Staining Technique and the "Autarchy of the Nucleus" since 1876 / Wulfingen, Bettina Bock von -- Interview -- Traces and Patterns. Pictures of Interferences and Collisions in the Physics Lab A Dialogue between Dr. Anne Dippel and Dr. Lukas Mairhofer -- Liquid or Globular? On the History of Gestalt-seeing in the Life Sciences of the

Early 19th Century / Orland, Barbara -- Traces of Bodies and Operational Portraits. On the Construction of Pictorial Evidence / Kesting, Marietta -- Reduced Complexity or Essentialism? Medical Knowledge and "Reading Traces" in the History of Art / Kunze, Sophia -- Image Credits -- Authors

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## Sommario/riassunto

Traces keep time and make the past visible. As such, they continue to be a fundamental resource for scientific knowledge production in modernity. While the art of trace reading is a millennia-old practice, tracings are specifically produced in the photographic archive or in the scientific laboratory. The material traces of the forms represent the objects and causes to which they owe their existence while making them invisible at the moment of their visualization. By looking at different techniques for the production of traces and their changes over two centuries, the contributions show the continuities they have, both in the laboratories and in large colliders of particle physics. This volume, inspired by Carlo Ginzburg's early works, formulates a theory of traces for the 21st century.

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