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Titolo	Experimentation in the Sciences : Comparative and Long-Term Historical Research on Experimental Practice // edited by Catherine Allamel-Raffin, Jean-Luc Gangloff, Yves Gingras
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Descrizione fisica	1 online resource (151 pages)
Collana	Archimedes, New Studies in the History and Philosophy of Science and Technology, , 2215-0064 ; ; 72
Disciplina	507.2
Soggetti	Science - Philosophy Science - History Philosophy Methodology Philosophy of Science History of Science Experimental Philosophy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Dedication -- Chapter 1. The characteristics and diversity of experimentation in the sciences (Catherine Allamel-Raffin, Jean-Luc Gangloff and Yves Gingras) -- Chapter 2. Experimentation in physics (Yves Gingras) -- Chapter 3. Experimentation in chemistry (Jean-Pierre Llored) -- Chapter 4. Experimentation in the life sciences (Laurent Loison) -- Chapter 5. Experimentation in psychology (Jean Audusseau) -- Chapter 6. Experimentation in sociology (Dominique Raynaud) -- Chapter 7. Experimentation in economics (Herrade Igersheim & Mathieu Lefebvre) -- Chapter 8. Experimentation in management science (Vincent Helfrich) -- Chapter 9. Experimentation in Medecine (Stéphanie Dupouy) -- Chapter 10. The medical clinic as an experimental practice (Jean-Christophe Weber) -- Chapter 11. Experimentation in Archeology (Nicolas Monteix).
Sommario/riassunto	This book takes a novel approach by highlighting comparative and long-term historical perspectives on experimental practice. The

juxtaposition of accounts of natural, social, and medical experimentation is very enlightening, especially because the authors put the emphasis on the different kinds of objects of experimentation (physical matter, chemical reagents, social groups, organizations, sick individuals, archeological remains) and demonstrate how much the kinds of objects matter for the practice of experimentation, its methods, tools, and methodologies. Taken together, the chapters raise several fascinating questions for further study: What do these different approaches have in common? Why do we call them “experimentation”? What are the intersections among the fields and their developments? The volume engages philosophical approaches that are not well known to Anglophone readers (Bachelard, Bergson, Bernard, Canguilhem, among others) and brings to attention a wealth of Francophone secondary literature on past and present scientific experimentation. The collection fills a yawning gap in science, science studies, and philosophy of science teaching, making it particularly valuable philosophers and historians of science in all subfields.
