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Titolo	Cognitive Informatics for Biomedicine : Human Computer Interaction in Healthcare // edited by Vimla L. Patel, Thomas G. Kannampallil, David R. Kaufman
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ISBN	3-319-17272-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (345 p.)
Collana	Health Informatics, , 1431-1917
Disciplina	610.285
Soggetti	Health informatics User interfaces (Computer systems) Bioinformatics Health administration Health Informatics User Interfaces and Human Computer Interaction Health Administration
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 at the end of each chapters and index.
Nota di contenuto	Book Overview: Role of HCI in biomedicine and healthcare -- HCI, Human Factors, Patient Safety and Quality -- Theories and Foundations of HCI: Cognition -- Theories and Foundations of HCI: Communication -- Theories and Foundations of HCI: Distributed Clinical Work -- Methods of Evaluation -- New approaches to representing and analyzing human computer interactions -- User Interfaces -- Medical devices -- Application of Usability Evaluation in Healthcare Settings -- Visualization in Biomedical Informatics: Tools and Applications in the Clinical Environment -- Face-to-face synchronous and asynchronous interactions in clinical settings -- Team Activities and Processes -- Mobile Health Applications and Biomedicine -- Consumer Health -- Challenges for HCI and HF for the Next Decade in Healthcare.
Sommario/riassunto	This book reports on the current state of human computer interaction (HCI) in biomedicine and healthcare, focusing on the cognitive

underpinnings of human interactions with people and technology. Drawing from the current research in HCI, this book addresses key theories, models and evaluation frameworks, and their application in biomedical contexts. Health information technologies have become increasingly vital tools for the practice of clinical medicine. However, numerous challenges remain in order to fully realize their potential as instruments for advancing clinical care and enhancing patient safety. Cognitive Informatics for Biomedicine: Human Computer Interaction in Healthcare is indispensable to those who want to ensure that the systems they build, and the interactive environments that they promote, will reflect the rigor and dedication to human-computer interaction principles that will ultimately enhance both the user's experience and the quality and safety of the care that is offered to patients.

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