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molecular medicine and biomedical research in the era of precision medicine new technologies and personalized drug therapies for patient care provides researchers with an extensive overview of recent advances in molecular biology impacting the development of targeted therapies the book delivers insights into the pathobiological and pathogenetic mechanisms of various diseases providing a detailed study of the latest personalized interventions to be implemented across such conditions it covers a range of technologies including rna sequencing ai machine learning gene therapy omics and nanotechnology delving into their clinical applications across various diseases the book also tackles targeted treatments of different disease types including acute chronic infectious and noncommunicable diseases future perspectives are also covered providing an in depth study across molecular medicine drug discovery and delivery disease diagnosis and prevention and therapeutic interventions and acting as an invaluable interdisciplinary reference for researchers across the biomedical sciences investigates the molecular basis and mechanisms of diseases including cardiovascular infectious and neurological diseases presents molecular based therapeutics for personalized treatment and the diagnosis of various conditions considers a range of technologies in the field of biomedicine and molecular medicine including artificial intelligence and nanotechnology

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health information exchange hie navigating and managing a network of health information systems allows health professionals to appropriately access and securely share patients vital medical information electronically thus improving the speed quality safety and cost of patient care the book presents foundational knowledge on hie covering the broad areas of technology governance and policy providing a concise yet in depth look at hie that can be used as a teaching tool for universities healthcare organizations with a training component certification institutions and as a tool for self study for independent learners who want to know more about hie when studying for certification exams in addition it not only provides coverage of the technical policy and organizational aspects of hie but also touches on hie as a growing profession in part one the book defines hie describing it as an emerging profession within hit informatics in part two the book provides key information on the policy and governance of hie including stakeholder engagement strategic planning sustainability etc part three focuses on the technology behind hie defining and describing master person indexes information infrastructure interfacing and messaging etc in part four the authors discuss the value of hie and how to create and measure it finally in part five the book provides perspectives on the future of hie including emerging trends unresolved challenges etc offers foundational knowledge on health information exchange hie covering the broad areas of technology governance and policy focuses on explaining hie and its complexities in the context of u s health reform as well as emerging health it activities in foreign nations provides a number of in depth case studies to connect learners to real world application of the content and lessons from the field offers didactic content organization and an increasing complexity through five parts

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this book will appeal to graphic designers as well as developers who are new to acrobat as an internet tool it s the perfect book for the publishing crowd that is grounded in existing skills in page layout and design and is interested in extending these practices to page development

report on the activities accomplishments and resources related to the jrc s work carried out in 2015 an overview is given of the scientific achievements and activities

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