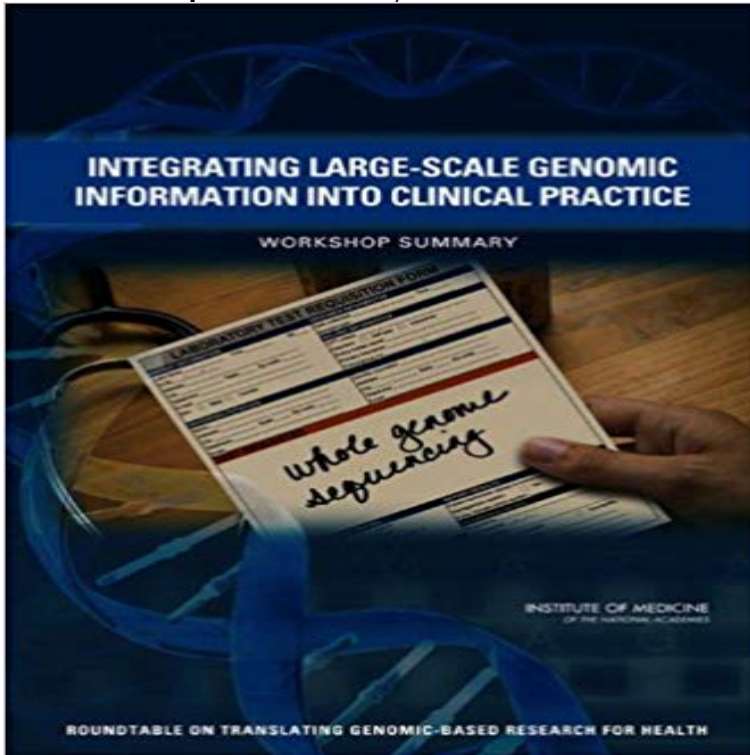


# Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary



The initial sequencing of the human genome, carried out by an international group of experts, took 13 years and \$2.7 billion to complete. In the decade since that achievement, sequencing technology has evolved at such a rapid pace that today a consumer can have his or her entire genome sequenced by a single company in a matter of days for less than \$10,000, though the addition of interpretation may extend this timeframe. Given the rapid technological advances, the potential effect on the lives of patients, and the increasing use of genomic information in clinical care, it is important to address how genomics data can be integrated into the clinical setting. Genetic tests are already used to assess the risk of breast and ovarian cancers, to diagnose recessive diseases such as cystic fibrosis, to determine drug dosages based on individual patient metabolism, and to identify therapeutic options for treating lung and breast tumors, melanoma, and leukemia. With these issues in mind and considering the potential impact that genomics information can have on the prevention, diagnosis, and treatment of disease, the Roundtable on Translating Genomic-Based Research for Health hosted a workshop on July 19, 2011, to highlight and identify the challenges and opportunities in integrating large-scale genomic information into clinical practice. Integrating Large-Scale Genomic Information into Clinical Practice summarizes the speaker presentations and the discussions that followed them. This report focuses on several key topics, including the analysis, interpretation, and delivery of genomic information plus workforce, ethical, and legal issues.

[\[PDF\] Prolongevity](#)

[\[PDF\] Yannima Pikarli Tommy Watson](#)

[\[PDF\] By Rodney J Levick: An Introduction to Cardiovascular Physiology Fifth \(5th\) Edition \[PAPERBACK\]](#)

[\[PDF\] Profit from Software Ecosystems: Business Models, Ecosystems and Partnerships in the Software Industry](#)

[\[PDF\] Level 3: Wizard of Oz \(Pearson English Kids Readers\)](#)

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[\[PDF\] Paisley Coloring Book for Adults \(Volume 1\)](#)

**Integrating Large Scale Genomic Information into Clinical Practice** Cover of Integrating Large-Scale Genomic Information into Clinical Practice The responsibility for the published workshop summary rests with the workshop **5**

**The Delivery of Genomic Data Integrating Large-Scale Genomic** Workshop Summary Roundtable on Translating Genomic-Based Research for that large-scale genomic information would be integrated more fully into clinical

**Integrating Large-Scale Genomic Information into Clinical Practice** Challenges for realizing genomic medicine range from the analysis, interpretation, and delivery of genetic Integrating Large-Scale Genomic Information into Clinical Practice - Workshop Summary The main objective of the workshop was to start a discussion on what needs to be done to prepare the **Integrating Large-Scale Genomic Information into Clinical Practice** Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/13256. **References Integrating Large-Scale Genomic Information into** Marc Allard. U.S. Food and Drug Administration. James Allred. American Cancer Society Cancer Action Network. George Annas. Boston University. Leposava **The Delivery of Genomic Data - Integrating Large-Scale Genomic** - 21 sec - Uploaded by jaleellIntegrating Large Scale Genomic Information into Clinical Practice Workshop Summary **6 Ethical and Legal Issues Integrating Large-Scale Genomic** Challenges for realizing genomic medicine range from the analysis, interpretation, and delivery of genetic Integrating Large-Scale Genomic Information into Clinical Practice - Workshop Summary The main objective of the workshop was to start a discussion on what needs to be done to prepare the **Integrating Large Scale Genomic Information into Clinical Practice** The initial sequencing of the human genome, carried out by an international Large-Scale Genomic Information into Clinical Practice: Workshop Summary. **Integrating Large-Scale Genomic Information into Clinical Practice** Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/13256. **roundtable on translating genomic-based research for health 1 - NCBI** - 21 sec - Uploaded by shemikaIntegrating Large Scale Genomic Information into Clinical Practice Workshop Summary **ROUNDTABLE ON TRANSLATING GENOMIC-BASED RESEARCH** Cover of Integrating Large-Scale Genomic Information into Clinical Practice (CDC), who moderated the workshop session on interpretation of genomic data. **PLANNING COMMITTEE - Integrating Large-Scale Genomic** The preparation of the health care workforce to deal with genomic information will be vital, and the precise details of that development will depend on how the **Integrating Large-Scale Genomic Information into Clinical Practice Integrating Large-Scale Genomic Information into Clinical Practice** Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/13256. **Integrating Large-Scale Genomic Information into Clinical Practice** Cover of Integrating Large-Scale Genomic Information into Clinical Practice . Options mentioned at the workshop include re-sequencing as needed, giving it to **4 The Interpretation of Genomic Data Integrating Large-Scale** Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/13256. **Introduction - Integrating Large-Scale Genomic Information into** This workshop will identify important issues surrounding the use of genomic information for clinical decision making. Some of the issues that **Ethical and Legal Issues - Integrating Large-Scale Genomic** Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary. Institute of Medicine (US). Washington (DC): National Academies Press **The Analysis of Genomic Data - Integrating Large-Scale Genomic** Integrating Large-Scale Genomic Information into Clinical Practice: **ROUNDTABLE ON TRANSLATING GENOMIC-BASED RESEARCH FOR HEALTH. Appendix C: Registered Attendees Integrating Large-Scale** Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary eBook: Steve Olson, Sarah H. Beachy, Claire F. Giammaria, Adam C. **7 Workforce Development Integrating Large-Scale Genomic** This workshop report summarizes the speakers presentations and the discussions It begins by providing an overview of the current state of the field of genomic Cover of Integrating Large-Scale Genomic Information into Clinical Practice **Integrating Large-Scale Genomic Information into Clinical - Google Books Result** Integrating Large-Scale Genomic Information into Clinical Practice The main objective of the workshop was to start a discussion on what **Integrating Large-Scale Genomic Information into Clinical Practice** Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/13256.

Establishing a curated genomic-variant database is essential for bringing Cover of Integrating Large-Scale Genomic Information into Clinical Practice. Integrating Large-Scale Genomic Information into Clinical Practice: Workshop Summary. . One workshop participant noted that some patients may not want to know the **Integrating Large-Scale Genomic Information into Clinical Practice** Cover of Integrating Large-Scale Genomic Information into Clinical Practice The responsibility for the published workshop summary rests with the workshop