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The Gene Ontology Handbook

Series: Methods in Molecular Biology

- Features chapters on the fundamentals of Gene Ontology, its use in gene annotation, and its application in bioinformatic analyses
- Emphasizes providing practical guidance and troubleshooting advice
- Assumes no prior knowledge yet serves as an informative and useful text for experts as well

This book is open access under a CC BY 4.0 license. This book provides a practical and self-contained overview of the Gene Ontology (GO), the leading project to organize biological knowledge on genes and their products across genomic resources. Written for biologists and bioinformaticians, it covers the state-of-the-art of how GO annotations are made, how they are evaluated, and what sort of analyses can and cannot be done with the GO. In the spirit of the Methods in Molecular Biology book series, there is an emphasis throughout the chapters on providing practical guidance and troubleshooting advice. Authoritative and accessible, The Gene Ontology Handbook serves non-experts as well as seasoned GO users as a thorough guide to this powerful knowledge system.

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