# David Mount

## Bioinformatics: Sequence and Genome Analysis 2nd Edition
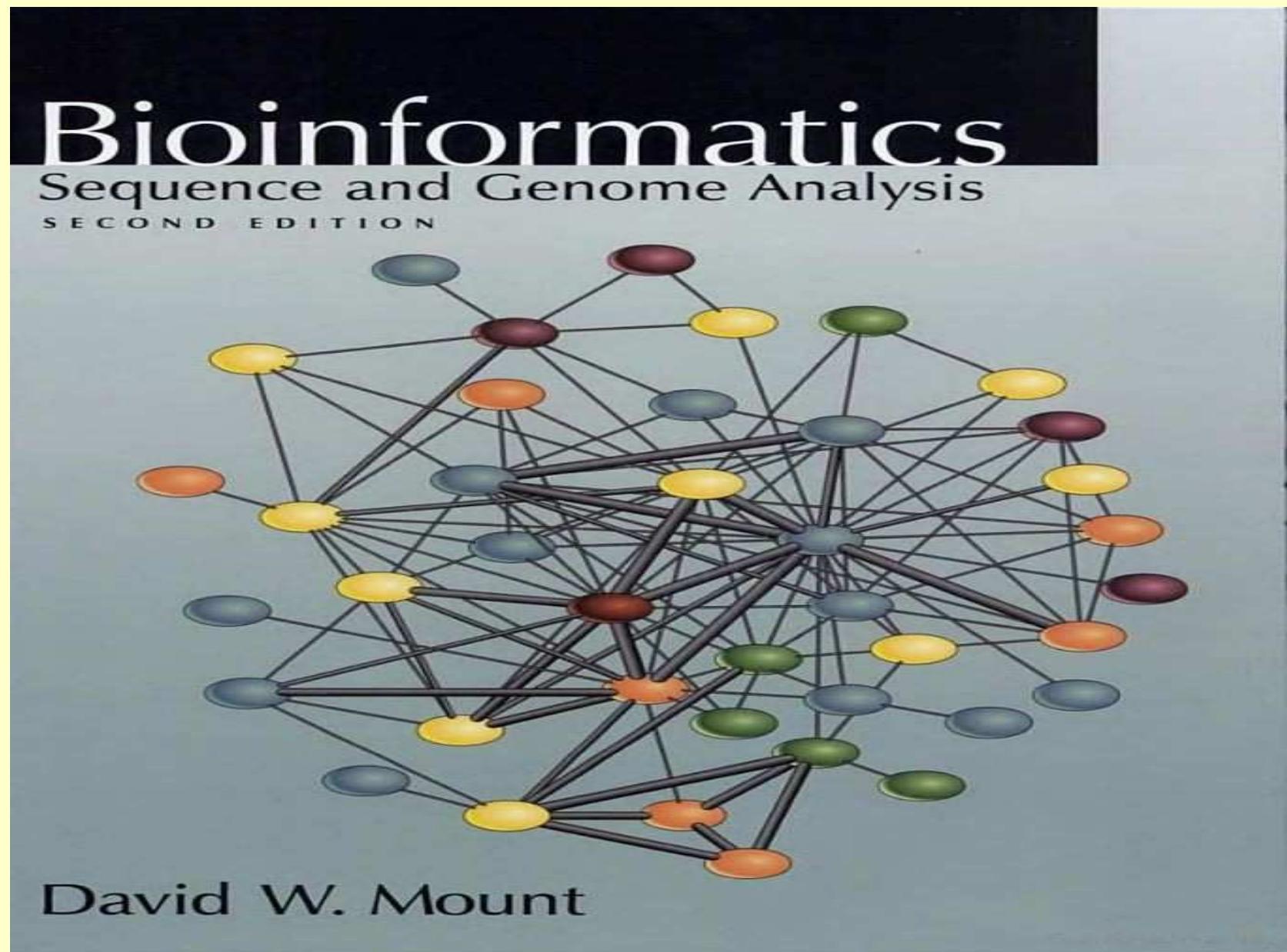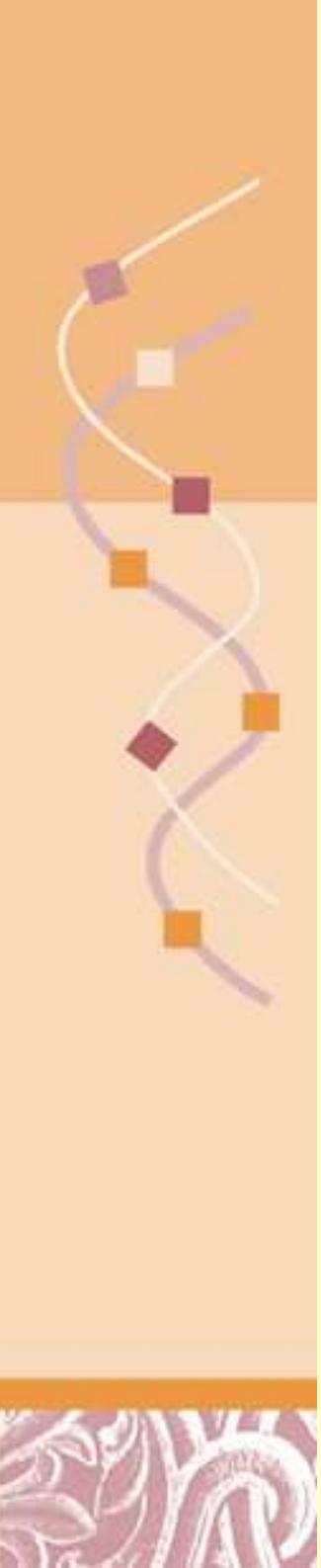
Jin Xiong
Essential Bioinformatics
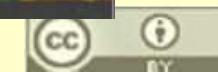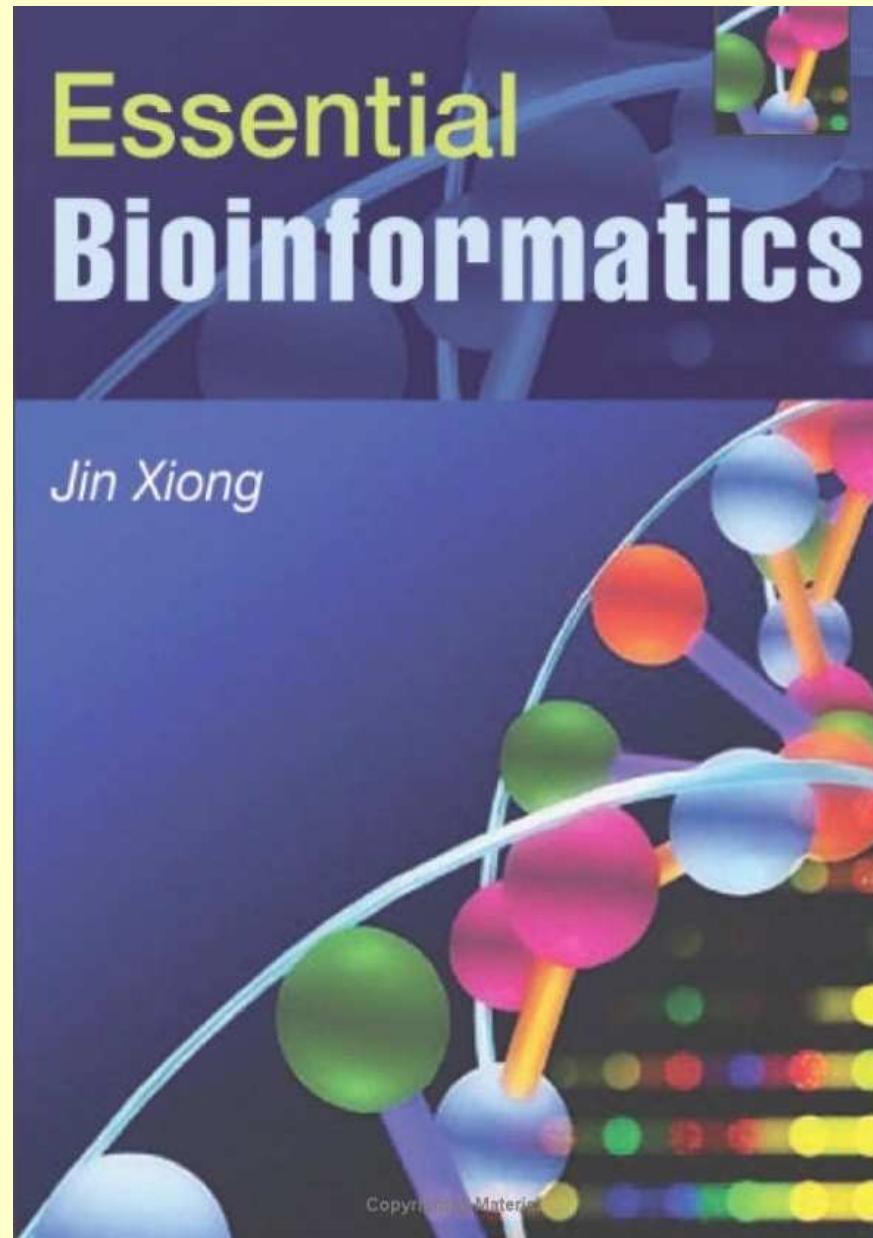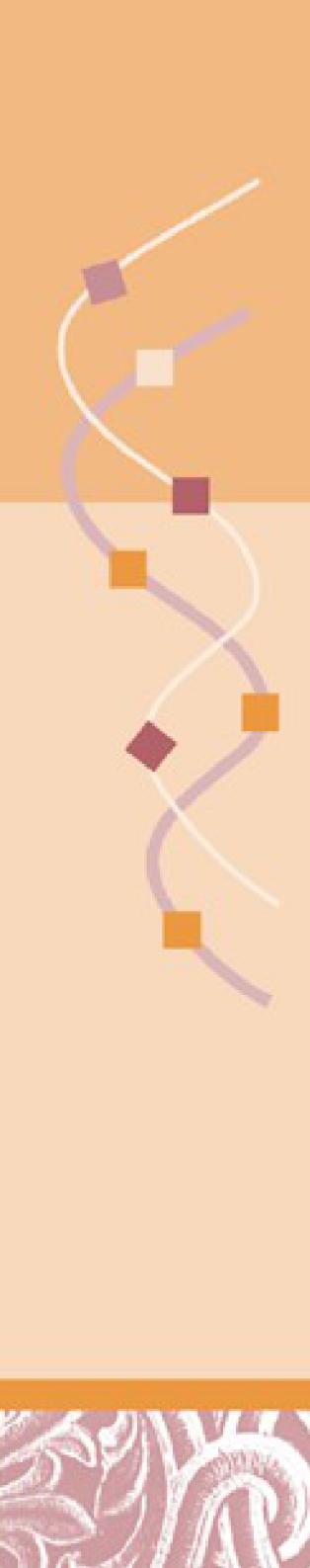
Richard Durbin *et al.*
Biological Sequence Analysis

Biological sequence analysis

Probabilistic models of proteins and nucleic acids

R. Durbin
S. Eddy
A. Krogh
G. Mitchison
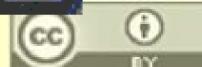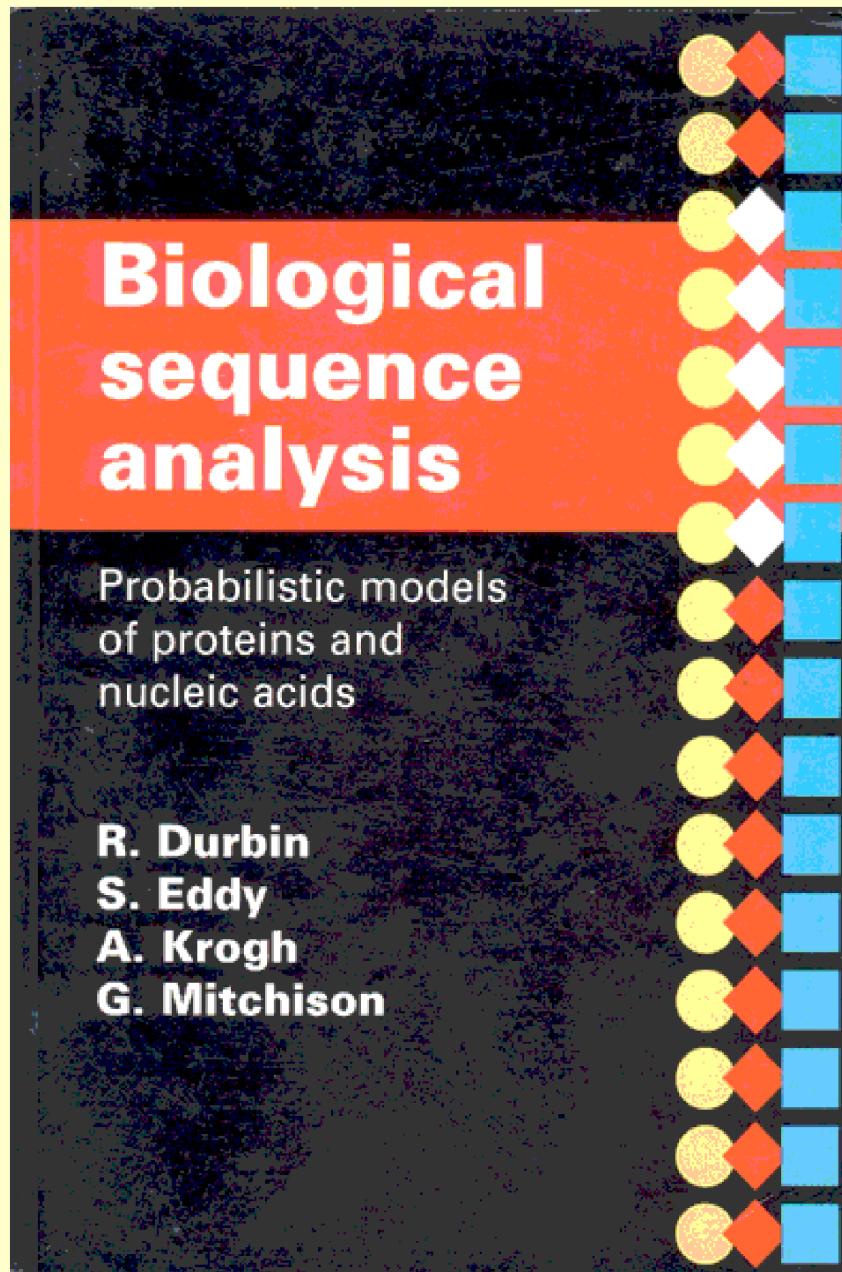
Jones & Pevzner
Bioinformatics Algorithms

AN INTRODUCTION TO
BIOINFORMATICS ALGORITHMS

NEIL C. JONES AND PAVEL A. PEVZNER
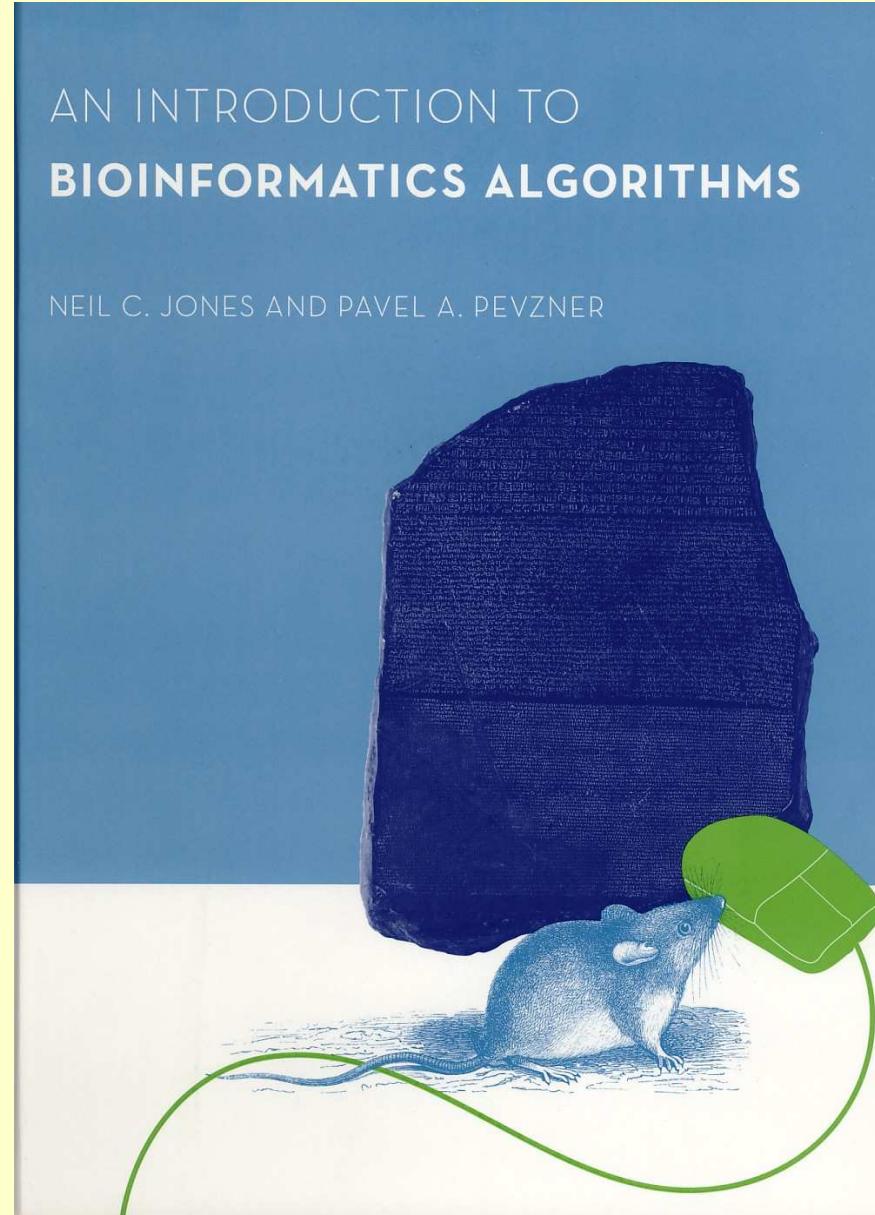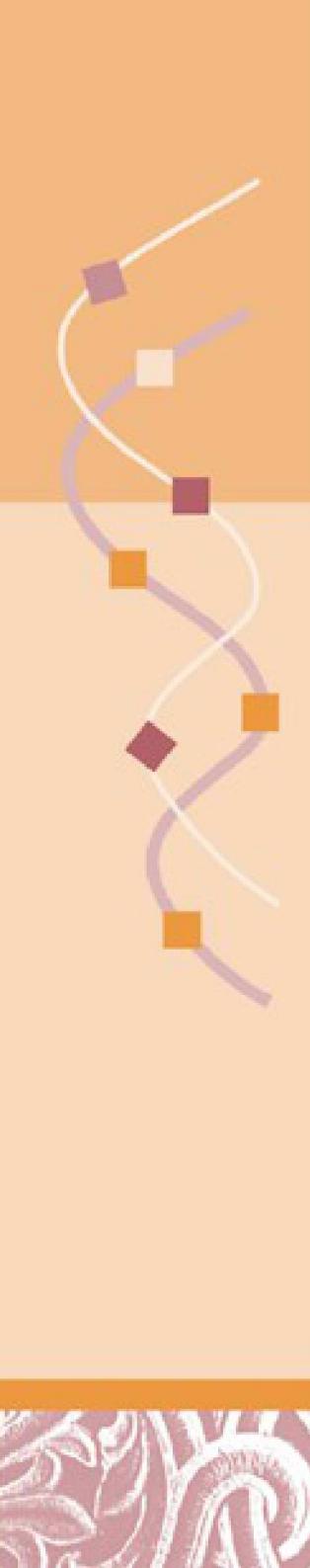
Dan Gusfield
Algorithms on Strings, Trees & Sequences
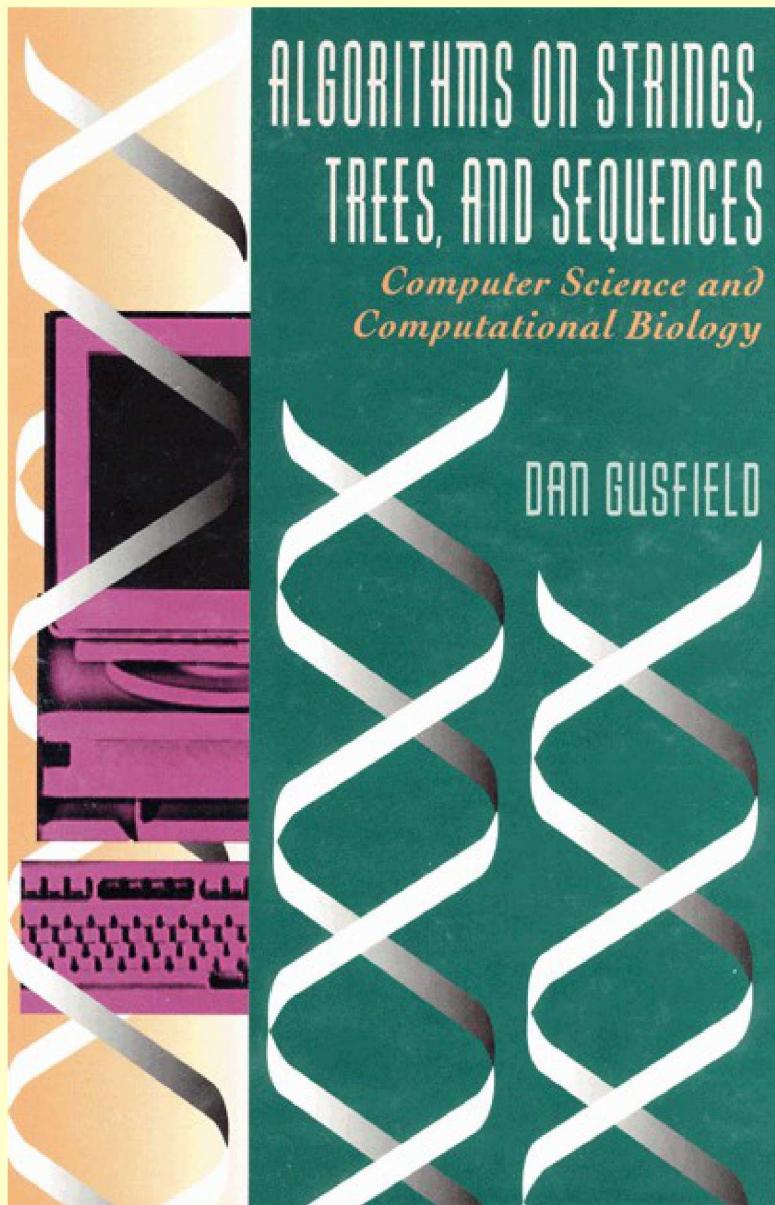
Baldi & Brunak
Bioinformatics: The Machine Learning Approach

BIOINFORMATICS
THE MACHINE LEARNING APPROACH
PIERRE BALDI AND SØREN BRUNAK
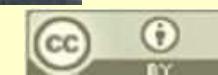
Higgins & Taylor
Bioinformatics: Sequence, Structure & Databanks
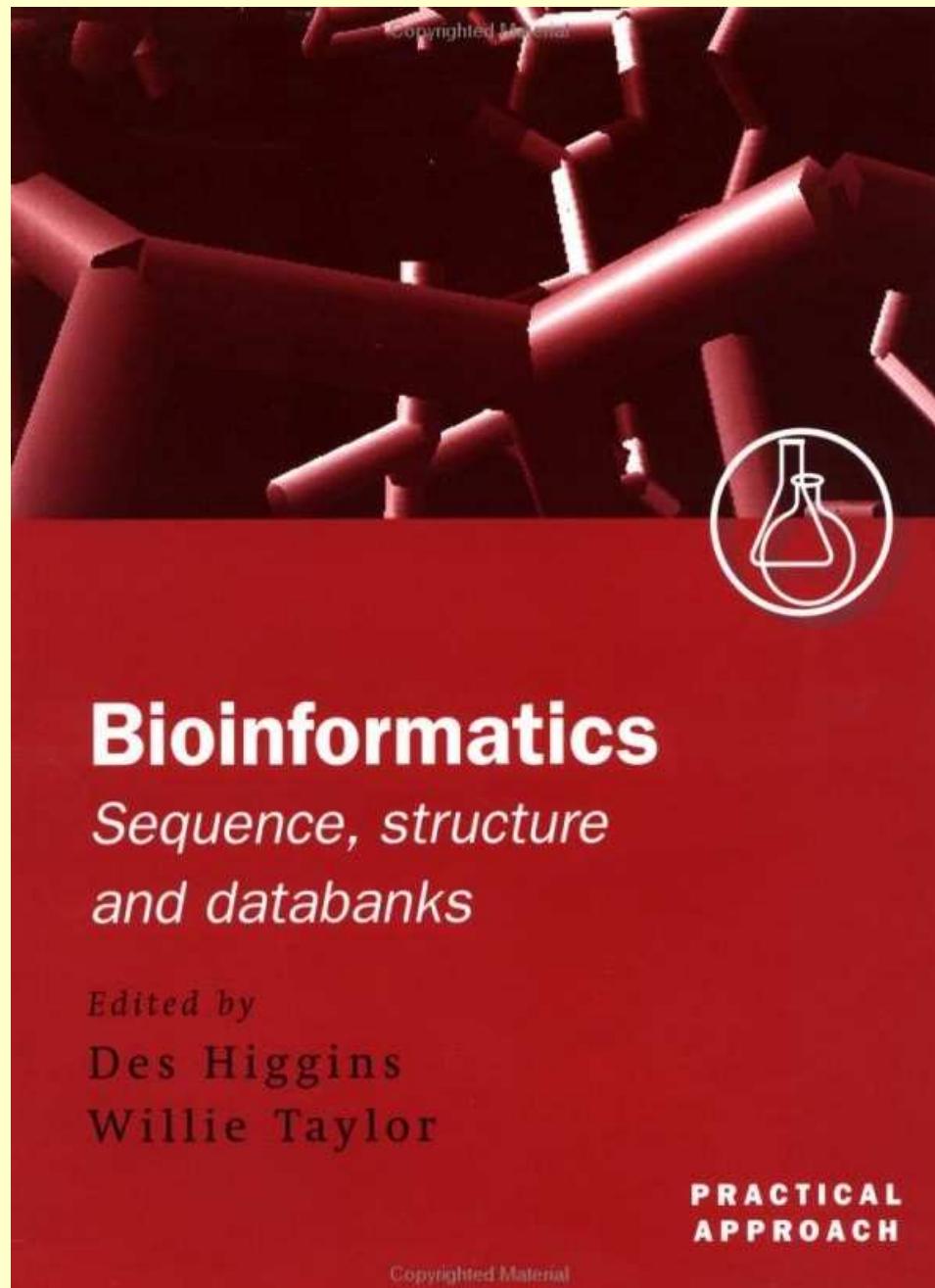
Bioinformatics

Sequence, structure and databanks

Edited by
Des Higgins
Willie Taylor

PRACTICAL APPROACH

NCBI Handbook

http://www.ncbi.nlm.nih.gov/bookshelf/br.fcgi?book=handbook

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Book Information

⊞ Part 1 The Databases

⊞ Part 2 Data Flow and Processing

⊞ Part 3 Querying and Linking the Data

⊞ Part 4 User Support

Glossary

Expand All   Collapse All

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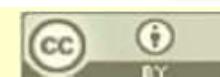
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The Databases

Doug Brutlag 2010

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Data Resources & Tools

- **EMBL-BANK**
- **UniProt**
- **ArrayExpress**
- **Ensembl**
- **InterPro**
- **PDBe**

- Genomes
- Nucleotide Sequences
- Protein Sequences
- Macromolecular Structures
- Small Molecules

- Gene Expression
- Molecular Interactions
- Reactions & Pathways
- Protein Families
- Enzymes

- Literature
- Taxonomy
- Ontologies
- Patent Resources

- Sequence Similarity & Analysis
- Pattern & Motif Searches
- Structure Analysis
- Text Mining
- Downloads
- Web Services

European Bioinformatics Institute

About the EBI

- **Research**
- **PhD Studies**
- **Training**
- **Industry Support**
- **Group & Team Leaders**
- **EBI Funders**

- User Support
- EBI Mission
- People
- Events at the EBI
- Genome Campus Events
- How to Find us

Latest News

- **New portal for plant genomics will support research into improved crops**
08 October 2009
Today sees the launch of Ensembl Plants – a freely available web resource for plant genomics research – by EMBL-EBI, in partnership with the Cold Spring Harbor Laboratory, USA. Ensembl Plants allows researchers worldwide to access and visualise the results of genome-scale experiments in different plant species and will make it easier for scientists to improve the productivity and health of crops... more

EBI Hosted Project Websites

- 1000 Genomes
- BioCatalogue
- BioSapiens
- E-MeP
- EGA
- ELIXIR
- EMBRACE
- EMERALD

- ENFIN
- FELICS
- IMPACT
- INSDC
- LRG
- SPINE
- SYMBIOmatics

Research Highlights

- **EMBL-EBI articles are top of the list**
20 November 2009
Articles on three resources hosted by EMBL-EBI (PDBe, Ensembl Genomes and Gene Expression Atlas) are highlighted as featured articles in the latest Database issue of Nucleic Acids Research. Featured articles are selected by the journal's Executive Editors based upon their originality, significance and scientific excellence ... more
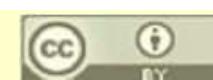
Berg, Tymoczko & Stryer
Biochemistry, Fifth Edition

Benjamin Lewin
Genes IX