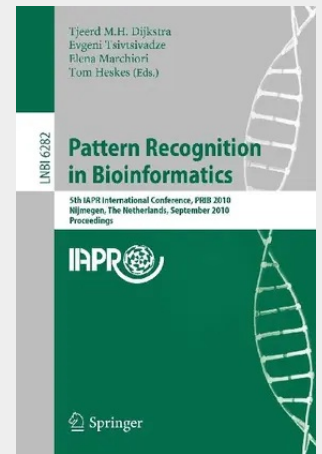


Pattern Recognition in Bioinformatics

5th IAPR International Conference, PRIB 2010, Nijmegen, The Netherlands, September 22-24, 2010, Proceedings

The field of bioinformatics has two main objectives: the creation and maintenance of biological databases and the analysis of life sciences data in order to unravel the mysteries of biological function. Computer science methods such as pattern recognition, machine learning, and data mining have a great deal to offer the field of bioinformatics. The Pattern Recognition in Bioinformatics (PRIB) meeting was established in 2006 under the auspices of the International Association of Pattern Recognition (IAPR) to create a focus for the application and development of computer science methods to life science data. The 5th PRIB conference was held in Nijmegen, The Netherlands, on 22-24 September 2010. A total of 46 papers were submitted to the conference for peer review. Of those, 38 (83%) were accepted for publication in these proceedings. The invited speakers were Rita Casadio (Bologna Biocomputing Group, Italy), Florence d'Alché-Buc (Université d'Evry-Val d'Essonne, France), Daniel Disinger (Tübingen University, Germany), and Natasa Przulj (Imperial College London, UK). Tutorials were delivered by Concettina Guerra (Università di Padova, Italy), Clarisse Dhaenens (Laboratoire LIFL/INRIA, France), Laetitia Jourdan (Laboratoire LIFL/INRIA, France), Neil Lawrence (University of Manchester, UK), and Dick de Ridder (Delft University of Technology).

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