



4<sup>th</sup> IAPR International Conference on  
Pattern Recognition in Bioinformatics (PRIB 2009)  
City Hall, Sheffield, United Kingdom  
7 – 9 September 2009



<http://www.dcs.shef.ac.uk/ml/prib2009/prib2009.html>

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#### KEYNOTE SPEAKERS

Pierre Baldi (University of California, Irvine)  
Alvis Brazma (European Bioinformatics Institute, Cambridge)  
Gunnar Raetsch (Max Planck Institute, Tübingen)

#### SCOPE

The conference aims to bring together top researchers, practitioners and students from around the world to discuss the applications of pattern recognition methods in the field of bioinformatics to solve problems in the life sciences. Prospective authors are invited to submit papers in the research areas of interest to the workshop. These include:

- Bio-sequence analysis
- Gene and protein expression analysis
- Protein structure and interaction prediction
- Motifs and signal detection
- Metabolic modelling and analysis
- Systems and synthetic biology
- Pathway and network analysis
- Immuno- and chemo-informatics
- Evolution and phylogeny
- Biological databases, integration and visualisation
- Bio-imaging

Pattern recognition techniques of interest include, but not limited to:

- Static, syntactic and structural pattern recognition
- Data mining, Data based modelling
- Neural networks, Fuzzy systems
- Evolutionary computation and swarm intelligence
- Hidden Markov models, Graphical models

#### DEADLINES

Paper Submission	1 April 2009
Special Sessions Proposal	1 April 2009
Author Notification	15 May 2009
Camera Ready Papers	1 July 2009
Early Bird Registration	15 July 2009

#### PUBLICATIONS

Accepted papers will be published in the Springer series Lecture Notes in Bioinformatics (LNBI). Enhanced versions of selected special papers will be included in a special issue in the International Journal of Systems Science.

#### PRIZES

Awards will be presented to the Best Student Paper, the Best Conference Paper and the Best Poster. A limited number of travel awards are available to authors of accepted papers.

#### SPONSOR

International Association of Pattern Recognition (IAPR)

#### ORGANISERS

The University of Sheffield  
IAPR – Technical Committee on Pattern Recognition for Bioinformatics