Editorial

Dear reader, welcome to a new supplement of *EMBnet.journal*, an international, open access, peer-reviewed bioinformatics journal.

This supplement is dedicated to the NETTAB 2013 workshop focused on

"Semantic, Social and Mobile Applications for Bioinformatics and Biomedical Laboratories", held 16-18 October 2013 in Venice Lido, Italy.

NETTAB 2013 is the thirteenth in a series of international workshops on Network Tools and Applications in Biology. NETTAB workshops are aimed at presenting and discussing emerging ICT technologies whose adoption in support of biology could be of particular interest.

EMBnet.journal is very pleased to publish the contributions to the workshop presented at this important event. For this special issue (19.B), the selection of articles was overseen by the Conference Scientific Committee, while the layout and logistics were organised by the EMBnet. journal Editorial Team.

For future conferences, our Online Journal System (OJS) can also be used for receiving, archiving and managing the full review process. In this series, we have also published the First Scientific Meeting of the COST Action, SeqAhead (issue 17.B), proceedings of the Bioinformatics Italian Society (BITS) 9th Annual Meeting, 2-4 May 2012 (issue 18.A), proceedings of the NETTAB 2012 Workshop on "Integrated Bio-Search", 14-16 November 2012, Como, Italy (issue 18.B), and the SeqAhead "The Next NGS Challenge Conference: Data Processing and Integration", 14-16 May 2013, Valencia, Spain (issue 19.A).

We therefore continue to welcome contributions from other Societies and Networks, and encourage interested parties to contact members of the Editorial Board.

EMBnet.journal Editorial Board

Contents

ditorial	2
Preface - NETTAB 2013	3
scientific Programme	7
(eynote Lectures	11
utorials	15
Oral Communications	20
Posters	63
Node information	88

EMBnet.journal Executive Editorial Board

Erik Bongcam-Rudloff, Department of Animal Breeding and Genetics, SLU, SE,

erik.bongcam@slu.se

Teresa K. Attwood, Faculty of Life Sciences and School of Computer Sciences, University of Manchester, Manchester, UK, teresa.k.attwood@manchester.ac.uk

Domenica D'Elia, Institute for Biomedical Technologies, CNR, Bari, IT,

domenica.delia@ba.itb.cnr.it

Andreas Gisel, Institute for Biomedical Technologies, CNR, Bari, IT, andreas.gisel@ba.itb.cnr.it

Laurent Falquet, University of Fribourg, Fribourg, CH

Laurent.Falquet@unifr.ch

Pedro Fernandes, Instituto Gulbenkian. PT,

pfern@igc.gulbenkian.pt

Lubos Klucar, Institute of Molecular Biology, SAS, Bratislava, SK, klucar@EMBnet.sk

Martin Norling, Swedish University of Agriculture, SLU, Uppsala, SE.

martin.norling@slu.se

Vicky Schneider-Gricar, The Genome Analysis Centre (TGAC). Norwich, UK,

vicky.sg@tgac.ac.uk

Cover picture: Sunset on the Venice's lagoon. Venice, Italy, 2008. [© Nicola Cannata]