



Invitation for ProCoGen Training Workshop 11th – 12th Mar. 2015

Ibis Vienna Mariahilf, Mariahilfer Gürtel 22-24, 1060 Vienna

“Bioinformatics and trees”

“Promoting a functional and comparative understanding of the conifer genome- implementing applied aspects for more productive and adaptive forests” (ProCoGen) is a four year EU-funded research project, officially launched on 1st Jan. 2012. It is a collaborative initiative integrating the activities of 20 European research groups, across 11 European nations, and strengthening international collaboration beyond the continent with two research groups in Canada. This project addresses themes related to genome organization, identification of genes and gene networks involved in phenotype-genotype and environment interactions, by applying latest technological advancements for sequencing, genotyping, and gene expression analysis. It also aims at providing tools for tree breeding and forest management to better equip our forests for global environmental changes.

ProCoGen is organizing a training workshop not only for project members, but also for other researchers, and scientists involved in plant genomic research. The main focus of this event will be plant bioinformatics. Nine distinguished speakers from Europe, America, and Canada have been invited to share their experience in forefront genomics and applied bioinformatics research. This workshop will also give the participants an opportunity to interact with our project members.

As the seats are limited we cordially invite applications with a few lines of motivation for participation as selection criteria *mailed to*:

Dr. Berthold Heinze: berthold.heinze@bfw.gv.at and

Dr. Vedhu Krystufek: vedhu.krystufek@bfw.gv.at.

The workshop is free of charge, but travel and accommodation costs have to be covered by the participants' own resources. The nearest airport is Vienna Intl. Airport (VIA). For further information and assistance please feel free to contact us via email at the addresses mentioned above.



For further interest please visit:
WEB: www.procogen.eu
BLOG: www.procogen.wordpress.com
Conifer Genome Network:
www.pinegenome.org



Workshop agenda*

Wednesday 11th March

- 14h – 14h40
 - **Asst. Prof. Dr. Ingo Ensminger**, University of Toronto (Canada): Using conifer transcriptome data - experimental design and data analysis strategies [40']

coffee break

- 15h – 16h25
 - **Prof. Dr. David Torrents**, Barcelona Supercomputing Centre (Spain) : Supercomputing and Genomics [40']
 - **Dr. Marco Bink**, Agriculture Research Service Foundation (DLO) (The Netherlands): Genotype imputation (and subsequent genomic prediction based on sequence data) [40']

Thursday 12th March

- 9h – 10h20
 - **Assoc. Prof. Dr. Inanc Birol**, University of British Columbia (Canada) : Assembly and analysis of the white spruce genome [40']
 - **Prof. Dr. Daniel Peterson**, Mississippi State University (USA): Getting bioinformatics through its awkward adolescence. [40']

coffee break

- 10h45 – 12h10
 - **Dr. Amin Madoui**, CEA-Genoscope (France): Heterozygous genome assembly by long read integration: application to the oak genome [40']
 - **Prof. Dr. Arndt von Haeseler**, Centre for Integrative Bioinformatics Vienna (Austria) : NextGenMap and the impact of highly polymorphic regions [40']

lunch break

- 14h – 15h30
 - **Dr. Nathaniel Street**, Umeå University (Sweden): Insights and challenges - the result of aspen by short read interaction [40']
 - **Prof. Dr. Yves Van de Peer**, Ghent University (Belgium): Bioinformatics approaches to unveil ancient whole genome duplications in plants [40']

*(could be subjected to change)