



FISH FOR PHARMA GENOMICS AND BIOINFORMATICS WORKSHOP 2014

**28-30 January 2014
Leiden, The Netherlands**



Dear Marie Curie fellows and other interested scientists,

It is a great pleasure to announce the FishForPharma Genomics and Bioinformatics Workshop to be held in Leiden, The Netherlands, from 28 till 30 January 2014.

Aim: Open workshop for Marie Curie fellows and other interested scientists who wish to learn more about the field of genomics and bioinformatics, including sequencing and bioinformatics tools, genomics, transcriptomics, proteomics, metabolomics, medical applications and hands-on practice.

Program: A three-day workshop with keynote lectures and a hands-on section on processing of Illumina RNAseq data. A detailed preliminary program is shown on the reverse side.

Accommodation: The venue of the meeting will be the Auditorium and Foyer of the Biopartner 1 building at the Bioscience Park in Leiden. Address: J.H. Oortweg 21, 2333 CH Leiden, The Netherlands. Several excellent hotels are located in close vicinity to the Leiden Bioscience Park. Check e.g. www.bookings.com for an up-to-date overview and to make your reservation.

Costs: Registration fee is € 350,00 for FishForPharma Marie Curie fellows and € 500,00 for external participants. The registration fee includes the costs of lunches and coffee/tea breaks (accommodation and dinner are not included).

Registration: The deadline for registration is: 15 December 2013. The capacity for external participants is limited to 20-30 people. Therefore, we kindly request that those who want to apply for the workshop send a one-page curriculum vitae and a ~ 100-word motivation letter. Please register via e-mail: workshop2014@zfscreens.com

Looking forward to your participation in the FishForPharma Genomics and Bioinformatics Workshop.

Kind regards,

The organizers:

- Ron Dirks (ZF-screens BV / Leiden University, Leiden, The Netherlands; dirks@zfscreens.com)
- Hans Jansen (ZF-screens BV, Leiden, The Netherlands; jansen@zfscreens.com)



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Preliminary program of the FishForPharma Genomics and Bioinformatics Workshop 2014

Tuesday 28 January 2014			
Timeslot	Topic	Description	Speaker
9.00 - 10.00 h	Sequencing tools	Illumina sequencing New sequencing technologies (PacBio, Nanopore, etc) Data management (local, NCBI)	Dr. Hans Jansen ZF-screens BV, Leiden
10.00 - 11.00 h	Bioinformatics tools	Overview of software tools	Dr. Christiaan Henkel Leiden University
11.00 - 11.30 h	coffee/tea break		
11.30 - 12.30 h	Genomics	De novo assembly and reference assembly of vertebrate genomes (focus on teleosts)	Dr. Christiaan Henkel Leiden University
12.30 - 13.30 h	lunch break		
13.30 - 14.30 h	Genomics	De novo assembly and reference assembly of microbial genomes (focus on bacteria and protozoa)	Dr. Walter Pirovano BaseClear BV, Leiden
14.30 - 15.30 h	Genomics	Epigenetics analysis	Prof. Gert-Jan Veenstra Radboud University, Nijmegen
15.30 - 16.00 h	coffee/tea break		
16.00 - 17.00 h	Genomics	SNP mapping	Dr. Klaas Vrieling Leiden University
Wednesday 29 January 2014			
Timeslot	Topic	Description	Speaker
9.00 - 10.00 h	Transcriptomics	mRNAseq and Tag-based microRNA mapping NanoCage sequencing	Dr. Hans Jansen ZF-screens BV, Leiden
10.00 - 11.00 h	Proteomics	Deep proteome analysis of zebrafish larvae	Dr. Magnus Palmblad LUMC, Leiden
11.00 - 11.30 h	coffee/tea break		
11.30 - 12.30 h	Metabolomics	Mass Spec analysis of zebrafish larvae	Dr. Robert-Jan Raterink Leiden University
12.30 - 13.30 h	lunch break		
13.30 - 14.30 h	Pathway analysis	Interaction networks	Dr. Chris Evelo Maastricht University
14.30 - 15.30 h	Proteomics	Kinomics/Phosphoproteomics	Dr. Rob Ruijtenbeek Pamgene BV
15.30 - 16.00 h	coffee/tea break		
16.00 - 17.00 h	Transcriptomics	Host-pathogen transcriptomes	Dr. Ron Dirks ZF-screens BV, Leiden
Thursday 30 January 2014			
Timeslot	Topic	Description	Speaker
9.00 - 10.00 h	Medical applications	Diagnostics	Prof. Johan den Dunnen LUMC, Leiden
10.00 - 11.00 h	Medical applications	Tuberculosis	Prof. Tom Ottenhoff LUMC, Leiden
11.00 - 11.30 h	coffee/tea break		
11.30 - 17.00 h	Hands-on practice Demonstrations	RNAseq, DEseq, R-scripts GeneTiles	Dr. Julien Rougeot Dr. Rubén Marin-Juez Dr. Hans Jansen Dr. Jan de Sonnevile

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