Wednesday 3rd July

8:00	Conference Desk Open
9:00	Talks - 2 parallel tracks

Transcriptomics & Genomics. Moderator: A. Syme — Germany

9:00 Invited Talk
Pou5f3, SoxB1 and Nanog control the Zygotic Genome Activation in Zebrafish. M. Veil

9:30 **Single-cell RNA Analysis in Galaxy on 10X Datasets.** M. Tekman

9:50 **Biology-driven classification of Single-Cells RNAseq data in Galaxy.** C. Antoniewski

10:10 **Improving Transcriptome Analysis with Molecular Indices and Galaxy.** B. W. Langhorst

10:17 **Transposon Insertion Sequencing Analysis in Galaxy.** D. Larivière

9:00	Talks - 2 parallel tracks

Admin & Dev. Moderator: S. Gladman — Greece

9:00 **Containerizing Galaxy server as a Singularity application on HPC clusters for GenAP.** D. Morais

9:20 **Galaxy on Kubernetes: where we are and future challenges.** P. Moreno

9:40 **A Minimal Docker Image for Galaxy.** S. Golitsynskiy

9:47 **CVMFS-CSI for Galaxy: Efficient Access to Read-only Data in Kubernetes.** A. Mahmoud

9:54 **gxadmin: usegalaxy.* administration wisdom.** H. Rasche

10:14 **Galaxy container for Hinxton Single Cell Interactive Analysis Portal (HiSciAP).** J. Manning

10:30	Break & Sponsors

11:00	Talks - 2 parallel tracks

Transcriptomics & Genomics. Moderator: A. Bhardwaj — Germany

11:00 **Aequatus.js: a plugin to visualise gene trees in Galaxy.** A. Thanki

11:20 **Visual Refinement of Genome Annotations with Apollo in a Community Environment.** N. Dunn

11:27 **Architectural and Systems Improvements to G-OnRamp, a Collaborative Eukaryotic Genome Annotation Platform.** L. Sargent

11:34 **ChiRA: an integrated framework for Chimeric Read Annotation.** P. Videm

11:54 **Training experience on "Data analysis and interpretation for clinical genomics" using Galaxy.** G. Cuccuru

Admin & Dev. Moderator: D. Morais — Greece

11:00 **Working Effectively with Remote Data in Galaxy - A Progress Report.** J. Chilton

11:07 **Testing and Visualizing the State of Galaxy Tools and Workflows.** M. Čech

11:27 **Setting up a Galaxy Platform in a HPC Infrastructure for Genomics Implementation into Diagnosis Routines for a Health Reference Center.** M. Juliá

11:34 **RealTimeTools: Integrating, Customizing, and Accessing UI-based Tools in Galaxy.** D. Blankenberg

11:54 **Creating a Universe of Galaxies: The UseGalaxy.* Project.** N. Coraor

12:00	Lunch & Birds-of-a-Feather
13:20	Trainings - 5 parallel workshops

Transcriptomics & Genomics.

Single cell RNA-seq analysis I. M. Tekman, A. Ostrovsky — Germany

The RNA workbench, best practices for RNA and high-throughput sequencing bioinformatics in Galaxy. J. Fallmann, F. Eggenhofer — France

Admin & Dev.

Galaxy Code Architecture. J. Chilton, N. Coraor — Greece

General.

Visualization of HTS data. TBA — Italy

Train the Galaxy Trainer. S. Gladman, A. Syme, B. Batut, S. Hiltemann, H. Rasche — Spain

14:50	Posters, Demos & Sponsors

15:50	Trainings - 5 parallel workshops

Transcriptomics & Genomics.

Single cell RNA-seq analysis II. M. Tekman, A. Ostrovsky — Germany

Admin & Dev.

Running Galaxy on Kubernetes. E. Afgan, N. Goonasekera, A. Mahmoud, S. Golitsynskiy, P. Moreno — Greece

Visualisation development in Galaxy. A. Guerler, J. Goecks, A. Kumar — France

General.

Beyond the Intro: Further Adventures in Using Galaxy? M. Heydarian, J. Hillman-Jackson — Italy

Making your open source project awesome. Y. Yehudi, B. Batut — Spain

17:30	Talks - 1 plenary track

Plenary. Moderator: F. Coppens — Greece

17:30 Invited Talk
Galaxy Community Update. J. Goecks, D. Blankenberg, A. Nekrutenko, J. Taylor

18:00 **Tool Prediction in Galaxy Workflows using Deep Learning.** A. Kumar

18:07 **Street Science Community: make science tangible & accessible by bringing it to the "street" with open science workshops.** T. Müller

19:30	Conference dinner at Augustiner im Bankepeter

Legend:
- Outside the Genome & Community
- Epigenetics
- Variation, Metagenomics & Assembly
- Transcriptomics
- Proteomics & Metabolomics
- General
- Admin & Dev

Galaxy Community Conference