



# GENOMICS FOR BIODIVERSITY SYMPOSIUM

## *The genome of Gaia*

Organitzat per/ *Organized by*



Societat Catalana  
de **BIOLOGIA**



Institut  
d'Estudis  
Catalans

**ICHN**  
Institució Catalana  
d'Història Natural  
Filial de l'Institut d'Estudis Catalans

Amb el suport de / *With the support of*



*genes*



12 and 13 September 2019

Prat de la Riba Room, Institut d'Estudis Catalans

# PROGRAM


- 9.00-9.30 Registration
- 9.30-9.40 Wellcome and opening of the symposium  
**JOANDOMÈNEC ROS**, president IEC  
**PERE PUIGDOMÈNECH**, president Secció de Ciències Biològiques IEC  
**MONTserrat COROMINAS**, presidenta SCB  
**JORDINA BELMONTE**, presidenta ICHN

**12/09/2019**

## SESSION I.


- 9.40-10.15 **HARRIS LEWIN**, University of California, Davis  
Earth Biogenome project
- 10.15 -10.50 **TOM GILBERT**, University of Copenhagen  
Temporal genomics as tool for applied conservation
- 10.50-11.25 **GUOJIE ZHANG**, Beijing Genomics Institute and University of Copenhagen  
Biodiversity genomic sequencing reveals animal macroevolutionary process
- 11-25-12.00  Coffee break

## SESSION II.


- 12.00-12.35 **SADYE PAEZ**, The Rockefeller University  
The Vertebrate Genomes Project
- 12.35-13.10 **ELINOR KARLSSON**, The Broad Institute  
The 200 mammals project
- 13.10-14.30  Lunch

## SESSION III.

- 14.30-15.05 **GENE MYERS**, Max Planck Institute of Molecular Cell Biology and Genetics  
HQ genomes: protocols and informatics: a progress report from Dresden

- 15.05-15.40 **PAUL FLICEK, European Bioinformatics Institute**  
Annotating genes across the tree of life
- 15.40-16.15 **JOSEFIN STILLER, University of Copenhagen**  
Populating the bird tree of life with 363 genomes creates new opportunities for comparative analysis
- 16.15-16.45  Coffee break



## **SESSION IV.**

- 16.45-17.05 **TOMÀS MARQUÈS, Institut de Biologia Evolutiva-Universitat Pompeu Fabra, Centre Nacional d'Anàlisi Genòmica**  
CNAG presentation and projects
- 17.05-17.25 **ALFONSO VALENCIA, Barcelona Supercomputing Center, ICREA**  
BSC and INB/ELIXIR-ES Bioinformatics Infrastructures and resources
- 17.25-17.45 **CEDRIC NOTREDAME, Centre de Regulació Genòmica**  
Scaling up large scale multiple sequence alignments with a novel regressive algorithm
- 17.45-18.05 **TONI GABALDÓN, Barcelona Supercomputing Center, Institut de Recerca Biomèdica**  
The phylome approach for understanding genome biodiversity and evolution
- 20.30-22.30  Gala Dinner

**13/09/2019**

## **SESSION V.**

- 9.30-10.05 **ALEX TWYFORD, University of Edinburgh**  
A genomic flora of the British Isles
- 10.05-10.25 **CRISTINA ROQUET, Universitat Autònoma de Barcelona**  
The PhyloAlps project: Sequencing the whole Alpine Flora
- 10.25-11.00 **MARK BLAXTER, Wellcome Sanger Institute**  
The Darwin Tree of Life Programme: large-scale biodiversity genomics

- 11.00-11.30  Coffee break
- 11.30-12.05 **CARME ROSELL**, Institutió Catalana d'Història Natural  
Biodiversity of Catalonia
- 12.05-12.40 **MONTSERRAT COROMINAS** and **JORDINA BELMONTE**  
The Gaia Genome Project
- 12.40-14.00 **GENERAL DISCUSSION**
- 14.00-15.30  Lunch only for speakers and organizing committee
- 15.30-17.30 **CLOSED ROUND TABLE** (by invitation only)