This meeting follows on from the success of the European Conference on Translational Bioinformatics (ECTB) series hold in 2016 at the University of Copenhagen, Denmark; and in 2017 at the European Bioinformatics Institute, UK. As in past editions, the 2018 meeting will bring together scientists, developers, and entrepreneurs who are interested in translating genomics and bioinformatics research into healthcare tools and services.

Advances in genomics and the availability of big data are beginning to transform the healthcare landscape. Bioinformaticians are playing a unique role in this transformation by developing tools that improve data acquisition, curation and interpretation. This meeting will highlight recent advances in the tools and techniques that are facilitating translational research and precision medicine. The programme will discuss how informatics can be used to improve drug discovery and development and to treat disease, and how it is helping to centralise and organise medical knowledge. The conference will also include a workshop on how to start a company, with insights from entrepreneurs who have made the transition from academic-based bioinformatics research to the commercial sector.

The meeting will be relevant for researchers, computational biologists and entrepreneurs from start-ups and established companies interested in epidemiology, cancer genomics and precision medicine.

The Conference is supported by the H2020 MedBioinformatics project and the Spanish National Bioinformatics Institute (INB)/ELIXIR-ES.

Confirmed Speakers

- **Ewan Birney**, European Bioinformatics Institute (EMBL-EBI). UK.
- **Søren Brunak**, University of Copenhagen. Denmark.
- **Francesca Ciccarelli**, King's College London. UK.
- **Joaquín Dopazo**, Fundación Progreso y Salud (FPS); Spanish National Bioinformatics Institute (INB) PRB²-ISCIII/ELIXIR-ES. Spain.
- **Laura I. Furlong**, Fundació Institut Mar d'Investigacions Mèdiques; Universitat Pompeu Fabra; Spanish National Bioinformatics Institute (INB) PRB2-ISCIII/ELIXIR-ES. Spain.
- **Tim Hubbard**, King's College London. UK.
- **Marcel G. Kann**, University of Maryland. USA.
- **Núria López-Bigas**, Institute for Research in Biomedicine (IRB); Universitat Pompeu Fabra; Spanish
National Bioinformatics Institute (INB) PRB2-ISCIII/ELIXIR-ES; ICREA. Spain.
- **Ferran Sanz.** Fundació Institut Mar d'Investigacions Mèdiques (IMIM); Universitat Pompeu Fabra (UPF); Spanish National Bioinformatics Institute (INB) PRB2-ISCIII/ELIXIR-ES. Spain.
- **David Torrents.** Barcelona Supercomputing Center (BSC); ICREA. Spain.
- **Alfonso Valencia.** Barcelona Supercomputing Center (BSC); Spanish National Bioinformatics Institute (INB) PRB2-ISCIII/ELIXIR-ES; ICREA. Spain.

**Scientific Committee**

- **Ferran Sanz (main organizer).** IMIM; UPF; INB PRB2-ISCIII/ELIXIR-ES. Barcelona, Spain.
- **Alfonso Valencia (co-organizer).** BSC; INB PRB2-ISCIII/ELIXIR-ES; ICREA. Barcelona, Spain.
- **Niklas Blomberg.** ELIXIR Europe. Hinxton, UK.
- **Søren Brunak.** University of Copenhagen. Copenhagen, Denmark.
- **Joaquín Dopazo.** FPS; INB PRB2-ISCIII/ELIXIR-ES. Sevilla, Spain.
- **Paul Flicek.** EMBL-EBI. Hinxton, UK.
- **Ivo Gut.** Centro Nacional de Análisis Genómico (CNAG-CRG); INB PRB2-ISCIII/ELIXIR-ES. Barcelona, Spain.
- **Laura I. Furlong.** IMIM; UPF; INB PRB2-ISCIII/ELIXIR-ES. Barcelona, Spain.
- **Nuria Lopez-Bigas.** IRB; UPF; INB PRB2-ISCIII/ELIXIR-ES; ICREA. Barcelona, Spain.

**Organizing Committee.**

- **Ferran Sanz (main organizer).** IMIM; UPF; INB PRB2-ISCIII/ELIXIR-ES.
- **Alfonso Valencia (co-organizer).** BSC; INB PRB2-ISCIII/ELIXIR-ES; ICREA.
- **Salvador Capella-Gutierrez.** BSC; INB PRB2-ISCIII/ELIXIR-ES.
- **Jordi Quintana.** IMIM; UPF; INB PRB2-ISCIII/ELIXIR-ES.
- **Chus Donlo.** IMIM; UPF.

**Registration.**

Registration is available at this [link](#). During the registration process, participants would be able to select among a selection of nearby hotels at special rates.

**Early registration** - 280 EUR for all participants - will be available until **Friday, 02/March/2018**. **Standard registration** including *in situ* registration is 330 EUR.

**Call for abstracts.**

Abstracts submission is available at [EasyChair](#). **Deadline** for abstracts submission is **February 15th, 2018**.
**Extended Deadline for abstracts submission is March 16th, 2018.**

It is possible to submit an abstract as **Oral Communication** and/or **Poster**. Participants are encouraged to use this [template](#) for their submissions.

**Programme**

*3er European Conference on Translational Bioinformatics*

*3er European Conference on Translational Bioinformatics - Abstracts Booklet*

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**Organized by**

[BSC](#) - Barcelona Supercomputing Center

[Institut Hospital del Mar d'Investigacions Mèdiques](#)

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**Funded by**
This conference is part of a project funded from the European Union’s Horizon 2020 Research and Innovation programme 2014 - 2020 under grant agreement No 634143.

Dissemination
We encourage all our attendees to join ISCB in order to take advantage of the members discount.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación