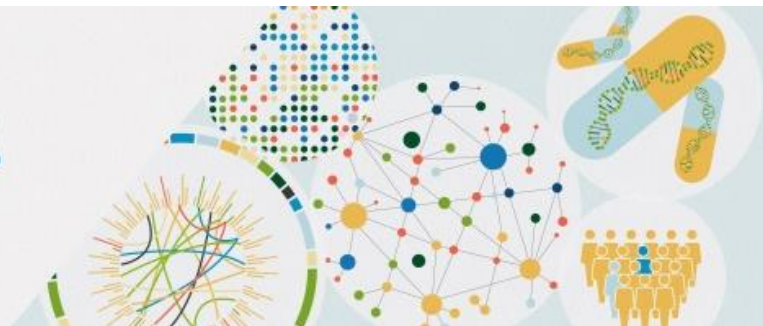




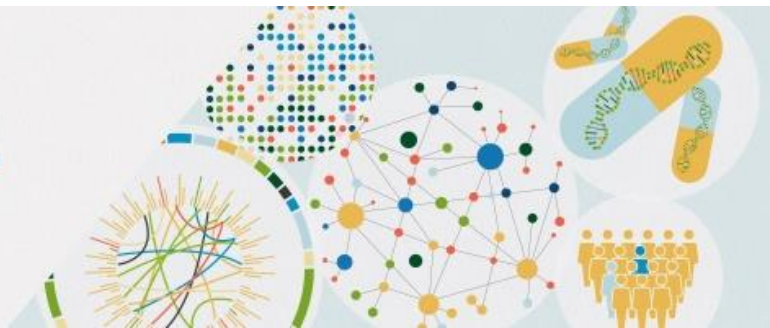
**16th CRG SYMPOSIUM:**  
**Seventh International Workshop**  
**on Genomic Epidemiology**  
20, 21 & 22 September 2017

Organized by:  
**cnag**



### Wednesday, Sept 20th

| <b>Session 1 – Technology - Chair: Ivo Gut</b> |  |
|--|--|
| 14:00  | Welcome<br><b>Ivo Gut</b> , CNAG-CRG, ES<br>Recent advances in nucleic acid sequencing technologies<br><b>Speaker TBC</b>  |
| 16:00  | Coffee break   |
| 16:30  | <b>Marc Marti-Renom</b> , CNAG-CRG, ES<br>Rational design of non-resistant targeted cancer therapies<br><b>Manolis Kogevinas</b> , CREAL, ES<br>The exposome complements the genome: a new era in epidemiology |
| 17:45  | Welcome Reception + Poster Session (Terrasse)  |



## Thursday, Sept 21st

### Session 2 - Epigenetics

09:00

**Peter Jones**, Van Andel Institute, USA

Targeting Human Endogenous Retroviruses for Epigenetic Therapy

**Caroline Relton**, University of Bristol, UK

Causal inference in epigenetic epidemiology

**Iñaki Martin-Subero**, IDIBAPS, Spain

Epigenetic insights into chronic lymphocytic leukemia biology and clinical behavior: from DNA methylomes to reference epigenomes

11:00

Coffee break

### Session 3 – Resources / Big Initiatives

11:30

**Hanns Lochmüller**, Newcastle University, UK

RD-Connect – linking, analysing and sharing multi-source omics data for Rare Disease Research

**Speaker TBC**

13:00

Lunch

14:00

**Roderic Guigó**, CRG, ES

The human transcriptome across tissues and individuals

### Session 4 – Diseases - Cancer

15:15

**Nuria Malats**, CNIO, ES

Towards the integration of Omics data in epidemiological studies: A Pancreatic Cancer Journey

**Richard Houlston**, Institute Cancer Research, UK

Polygenic susceptibility to colorectal cancer: mechanisms and impact

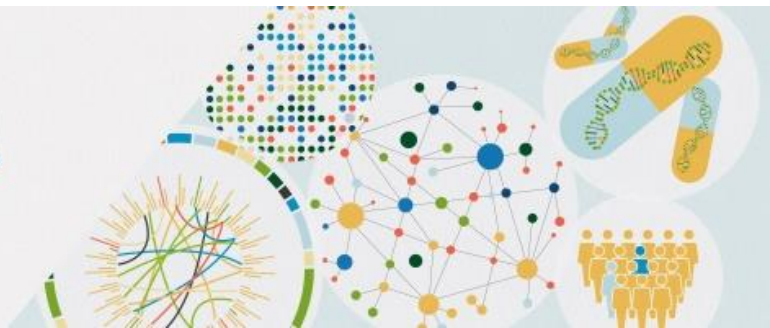
16:15

Coffee break

16:45

**Ben Lehner**, CRG, ES

Mutations and their interactions in individuals



## Friday, Sept 22nd

|       |   |
|-------|---|
| 09:00 | <b>Nuria López-Bigas</b> , IRB, ES<br>Coding and non-coding cancer mutations  |
|       | <b>Session 4 – Diseases – Common Diseases</b>   |
| 10:00 | <b>Momoko Horikoshi</b> , RIKEN, JP<br>Genomic loci associated with birth weight identify genetic links between intrauterine growth and adult metabolic disease<br><br><b>Patricia Munroe</b> , Barts Institute, UK<br>New insights into blood pressure regulation from large-scale genetic studies   |
| 11:00 | Coffee break  |
| 11:30 | <b>George Thanassoulis</b> , McGill, CA<br>Title TBC<br><br><b>Stephanie Debette</b> , University Bordeaux, FR<br>Genomics of complex cerebrovascular disease   |
| 13:00 | Lunch   |
|       | <b>Session 5 – Analytical methods and resources</b>   |
| 14:00 | <b>George Davey-Smith</b> , University of Bristol, UK<br>Mendelian randomization: what does the future hold?<br><br><b>Dorret Boomsma</b> , Vrije Universiteit Amsterdam, The Netherlands<br>Contributions from twin studies to gene discovery<br><br><b>Gonçalo Abecasis</b> , University of Michigan, USA<br>Sequencing and Analysis of 10,000s of Human Genomes: Challenges and opportunities<br><br><b>Mark Caulfield</b> , Genomics England, UK<br>Title TBC<br><br><b>Closing Remarks</b> |