



**CNIO Frontiers Meetings**  
**Cancer Pharmacogenetics: personalizing medicine**  
Madrid, November 22-24, 2010

**Organisers**

**Javier Benítez**, CNIO, Madrid, Spain  
**William E. Evans**, St. Jude Children's Research Hospital, Memphis, USA  
**Magnus Ingelman-Sundberg**, *Karolinska Institutet*, Stockholm, Sweden  
**Miguel Martín**, Hospital Gregorio Marañón, Madrid, Spain

**MONDAY, NOVEMBER 22**

9:15-9:30      **Welcome address**  
  
                  **Javier Benítez**, CNIO, Madrid, Spain

**Session I: Inherited and somatic genetic variation and cancer pharmacotherapy**

**Chair:** Rafael Rosell

9:30-10:05      **Magnus Ingelman-Sundberg**, *Karolinska Institutet*, Stockholm, Sweden  
                  *"Pharmacogenetics and epigenetics of drug response"*

10:05-10:40      **Alex Sparreboom**, St. Jude Children's Research Hospital, Memphis, USA  
                  *"Role of Polymorphic Transporters in Taxane Pharmacodynamics"*

10:40-11:15      **Julian Downward**, Cancer Research UK London Research Institute, London, UK  
                  *Topic: Pharmacodynamics*

11:15-11:45      *Coffee break and poster session*

11:45-12:20      **Anna Di Rienzo**, The University of Chicago, Chicago, USA  
                  *"Inter-individual and inter-ethnic variation in the transcriptional response to glucocorticoids"*

12:20-12:55      **Peter Campbell**, Wellcome Trust Sanger Institute, Cambridge, UK  
                  *Topic: The International Cancer Genome Consortium*

12:55-13:10      Short talk #1

13:10-13:25      Short talk #2

13:30-15:00      *Lunch and poster session*

**Session II: Pharmacogenomic and epigenomic determinants of anti-cancer drug efficacy**

**Chair:** Magnus Ingelman-Sundberg

- 15:00-15:35 **David A. Flockhart**, Indiana University School of Medicine, Indianapolis, USA  
*Topic: Breast cancer: tamoxifen and aromatase inhibitors*
- 15:35-16:10 **Rafael Rosell**, Institut Català d'Oncologia (ICO), Barcelona, Spain  
*"Personalizing targeted therapies in lung cancer"*
- 16:10-16:40 *Coffee break and poster session*
- 16:40-17:15 **Manel Esteller**, Bellvitge Biomedical Research Institute (IDIBELL), Barcelona, Spain  
*Topic: Epigenomics and cancer treatment*
- 17:15-17:30 Short talk #3
- 17:30-17:45 Short talk #4

**TUESDAY, NOVEMBER 23**

**Session III: Pharmacogenetics of cancer adverse effects**

**Chair:** Miguel Martín\*

- 9:30-10:05 **William E. Evans**, St. Jude Children's Research Hospital, Memphis, USA  
*Topic: ALL therapy*
- 10:05-10:40 **Howard McLeod**, University of North Carolina, Chapel Hill, USA  
*Topic: Colorectal cancer*
- 10:40-11:15 **Anna Gonzalez- Neira**, CNIO, Madrid, Spain  
*Topic: Breast cancer*
- 11:15-11:45 *Group picture, coffee break and poster session*
- 11:45-12:20 **Cristina Rodríguez-Antona**, CNIO, Madrid, Spain  
*"Identification of genetic variants associated to the adverse effects of microtubule-targeted anticancer drugs"*
- 12:20-12:35 Short talk #5
- 12:35-12:50 Short talk #6
- 13:00-14:30 *Lunch and poster session*

**Sesion IV: State-of-the-art in high-throughput technologies and bioinformatic tools for pharmacogenetics**

Chair: Peter Campbell\*

- 14:30-15:05 **Jörg D. Hoheisel**, German Cancer Research Center (DKFZ), Heidelberg, Germany  
*"Functional Genomics and Proteomics in Cancer Research"*
- 15:05-15:40 **Javier Benítez**, CNIO, Madrid, Spain  
*"From pharmacogenetics to pharmacogenomics, the technological challengeology"*
- 15:40-16:15 **Arcadi Navarro**, *Universitat Pompeu Fabra*, Barcelona, Spain  
*Topic: Bioinformatic tools and in silico predictions*
- 16:15-16:45 *Coffee break and poster session*
- 16:45-17:20 **Teri E. Klein**, Stanford University Medical Center, Stanford, USA  
*Topic: Pharmacogenetics databases*
- 17:20-17:35 Short talk #7
- 17:35-17:50 Short talk #8

**WEDNESDAY, NOVEMBER 24**

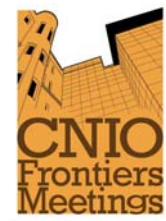
**Session V: Implementing Pharmacogenetics: how industry, regulators, clinicians and policymakers are shaping the field**

Chair: William E. Evans\*

- 9:30-10:05 **Miguel Martin**, Hospital Gregorio Marañón, Madrid, Spain  
*Topic: Clinical trials*
- 10:05-10:40 **Ron Van Schaik**, Erasmus University Medical Center, Rotterdam, The Netherlands  
*Topic: Barriers for pharmacogenetics implementation*
- 10:40-11:15 **Robert Wasserman**, Hoffmann La Roche, Nutley, USA  
*Topic: Drug Discovery*
- 11:15-11:45 *Coffee break and poster session*
- 11:45-12:20 **Eric Abadie**, Committee for Medicinal Products for Human Use, European Medicines Agency  
*Topic: Regulatory agencies*

**12:20 Closing remarks and poster prize**

**Magnus Ingelman-Sundberg**, *Karolinska Institutet*, Stockholm, Sweden



**\* Chair pending confirmation**

**Note:** **Talks:** 25 minutes **Discussion:** 10 minutes after each **talk**

**8 Short talks** 10 minutes each **Discussion:** 5 minutes after each **short talk**

**You can send us your abstract. 8 short talks will be selected from the submitted abstracts**

Abstracts should only be submitted via on-line