

Conferences, Workshops and Seminars

Each year, the CNIO hosts a number of meetings and workshops through which to debate the latest findings and key developments in basic and applied cancer research.

In 2010, the CNIO initiated a new conference series, the CNIO Frontiers Meetings (CFMs). Each CFM (two to three per year) invites around 20 outstanding scientists from a topical or emerging field of cancer research to present their latest findings. Over a period of 2½ days eminent speakers are joined by up to 110 additional participants, who are selected after a widely publicised Call for applications and who can contribute to the conference by presenting their research as posters or short talks.

The limited number of attendees fosters the intensive and dynamic exchange and debate of ideas between those participating. During 2010 the following CFMs took place at the CNIO: Molecular Cancer Therapeutics and Cancer Pharmacogenetics: Personalising medicine.

In addition to the CNIO Frontiers Meetings, the CNIO hosts several other meetings on current topics in basic and applied cancer research. In 2010, the most prominent of these was our Symposium on "Frontiers in Tumour Progression", a meeting which was co-organised with *Nature* Publishing Group, attracting 24 outstanding speakers as well as 380 participants to Madrid. Furthermore, the CNIO organised 5 international events including the 3rd ICGC Scientific Workshop, as well as 1 national meeting in 2010.

In addition to encouraging scientific debate at the highest level, the CNIO is also committed to disseminating the results of state-of-the-art cancer research to the wider community, including medical professionals and junior scientists, and to enabling scientists to stay abreast of recent developments in specialised techniques. This is achieved via training courses and hands-on workshops held at our Centre. In 2010, the CNIO organised 5 training courses and 1 workshop on analysis of gene expression, data analysis for new microarray platforms and confocal microscopy.

Symposia 2010

2010 *nature* - *cnio* Cancer Symposium

FRONTIERS IN TUMOUR PROGRESSION

October 24-27, 2010
Madrid, Spain

Organisers
Zena Werb, UCSF, San Francisco, USA
Doug Hanahan, EPFL, Lausanne, Switzerland
Erwin Wagner, CNIO, Madrid, Spain

Keynote lectures
Michael Karin
Joan Massagué

Confirmed speakers
Kari Alitalo
Hartmut Beug
Jacqueline F. Bromberg
Peter Carmeliet
Lisa Coussens
Lee Ellis
Theresa Guise
Kent W. Hunter
Tyler Jacks

Johanna Joyce
Robert S. Kerbel
Donald McDonald
Stefano Piccolo
Shahin Rafii
Erik Sahai
Fred de Sauvage
Mike Stratton
Mark Taketo

For further information and to apply, please go to www.cnio.org/symposium

a *nature* conference

Co-organised by Nature Publishing Group, Barbara Marte, Nicola McCarthy, Sowmya Swaminathan

Fundación BDVA

cnio Centro Nacional de Investigaciones Oncológicas

Nature-CNIO Cancer Symposium: Frontiers in Tumour Progression

October 24-27, 2010

Nature and CNIO held a conference focusing on the frontiers in tumour progression. Cell invasion and metastasis are the basis for most cancer-related deaths and remain a central enigma and a crucial agenda for cancer research. It is increasingly evident that tumours developing in different organs use related but not identical strategies, likely reflective of the distinctive microenvironment they face during their ontogeny. Moreover, multiple cell types constituting the activated tumour stroma contribute to invasion and metastasis, in addition to the aberrant properties of the cancer cells. The symposium brought together world leaders on some of the key biological and genetic mechanisms of invasion and metastasis. The main lectures were complemented by 10 short talks selected from the submitted abstracts and a large number of posters.

The four day conference included 5 sessions covering the mechanisms of invasion and metastasis: Genetics, mouse models and mechanisms; The metastatic cancer cell; Inflammatory modulators; Mechanism-based anti-metastatic therapies and angiogenesis; Anti-angiogenic therapy.

The conference venue was the *Palacete de los Duques de Pastrana*, a multi-purpose cultural complex located at the core of the residential quarter of Chamartin in Madrid.

This international event was organised by Zena Werb, Doug Hanahan and Erwin Wagner.

Scientific Organisers:

Zena Werb, University of California San Francisco (UCSF), USA

Doug Hanahan, ISREC, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland

Erwin Wagner, CNIO, Spain

Co-organisers:

Barbara Marte, *Nature*, UK

Nicola McCarthy, *Nature Reviews Cancer*, UK

Sowmya Swaminathan, *Nature Cell Biology*, UK

Speakers: **Kari Alitalo**, University of Helsinki, Finland; **Hartmut Beug**, Research Institute of Molecular Pathology (IMP), Austria; **Jacqueline Bromberg**, Memorial Sloan-Kettering Cancer Center (MSKCC), USA; **Peter Carmeliet**, *Katholieke Universiteit Leuven* (KUL), Belgium; **Lisa M. Coussens**, University of California San Francisco (UCSF), USA; **Lee M. Ellis**, MD Anderson Cancer Center, University of Texas, USA; **Theresa Guise**, Indiana University School of Medicine, USA; **Douglas Hanahan**, ISREC, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland; **Manuel Hidalgo**, CNIO, Spain; **Kent W. Hunter**, Centre for Cancer Research, National Cancer Institute (NCI), USA; **Joerg Huelsenken**, ISREC, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland; **Tyler Jacks**, Howard Hughes Medical Institute (HHMI), Massachusetts Institute of Technology (MIT), USA; **Johanna Joyce**, Memorial Sloan-Kettering Cancer Center (MSKCC), USA; **Michael Karin**, University of California San Diego (UCSD), USA; **Robert S. Kerbel**, University of Toronto, Canada; **Joan Massagué**, Memorial Sloan-Kettering Cancer Center (MSKCC), USA; **Donald M. McDonald**, University of California San Francisco (UCSF), USA; **Stefano Piccolo**, University of Padova, Italy; **Shahin Rafii**, Howard Hughes Medical Institute (HHMI), USA; **Erik Sahai**, Cancer Research UK London Research Institute (LRI); **Frederic de Sauvage**, Genentech Inc., USA; **Michael Stratton**, Wellcome Trust Sanger Institute, UK; **Mark Taketo**, Kyoto University Graduate School of Medicine, Japan; **Zena Werb**, University of California San Francisco (UCSF), USA



CNIO FRONTIERS Meetings 2010
Spanish National Cancer Research Centre

8-10 March 2010
Preparatory sessions: January 29, 2010

Molecular Cancer Therapeutics

Organisers: S. Gail Eckhardt, University of Colorado Denver, Aurora, USA; Roy S. Herbst, The University of Texas MD Anderson Cancer Center, Houston, USA; Manuel Hidalgo, CNIO, Madrid, Spain

Speakers: Alex Adjei, Roswell Park Cancer Institute, Buffalo, USA; Emiliano Calvo, Centro Oncológico Clara Campal, Madrid, Spain; Gary Clark, Array BioPharma, Boulder, USA; Johann de Bono, Institute of Cancer Research and Royal Marsden NHS Foundation Trust, Sutton, Surrey, UK; Elizabeth Garrett-Mayer, Medical University of South Carolina, Charleston, USA; Patricia LoRusso, The Sidney A. Karmanos Cancer Institute, Detroit, USA; Luis Pazola, The University of Texas MD Anderson Cancer Center, Houston, USA; Neal Rosen, Memorial Sloan-Kettering Cancer Center, New York, USA; Eric Rowinsky, New York University School of Medicine, New York, USA; Charles Rudin, Johns Hopkins University, Baltimore, USA; Adrian Senderowicz, AstraZeneca, Princeton, USA; Lillian Siu, Ontario Cancer Institute, Canada; Josep Taberner, Vall d'Hebron University Hospital, Barcelona, Spain; Jaap Verweij, Erasmus University Medical Center, Rotterdam, The Netherlands; Dan Von Hoff, Translational Genomics Research Institute, USA; Richard Wahl, Johns Hopkins Medicine, USA; Douglas Yee, University of Minnesota, Minneapolis, USA

For further information and to apply please go to www.cnio.es/events
Centro Nacional de Investigaciones Oncológicas (CNIO)
Avenida Dr Arce 37 (Madrid) (T) 915625400 (E) cnio@cnio.es

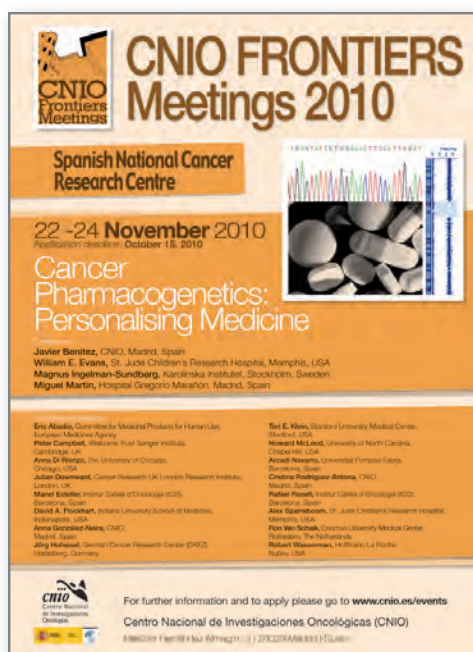
Molecular Cancer Therapeutics

March 8–10, 2010

Organisers: S. Gail Eckhardt, University of Colorado Denver, USA; Roy S. Herbst, MD Anderson Cancer Center, University of Texas, USA; Manuel Hidalgo, CNIO, Spain

Sessions: Emerging new cancer targets and drugs; Lessons learned from recent successfully developed new agents; Innovation in clinical trials design; Emerging new anticancer agents; Applying biomarkers to clinical cancer research

Speakers: Alex Adjei, Roswell Park Cancer Institute, USA; Emiliano Calvo, Centro Oncológico Clara Campal, Spain; Gary Clark, Array BioPharma, USA; Johann de Bono, Institute of Cancer Research and Royal Marsden NHS Foundation Trust, UK; S. Gail Eckhardt, University of Colorado Denver, USA; Elizabeth Garrett-Mayer, Medical University of South Carolina, USA; Roy S. Herbst, MD Anderson Cancer Center, University of Texas, USA; Manuel Hidalgo, CNIO, Spain; Antonio Jimeno, University of Colorado Denver, USA; Patricia LoRusso, The Barbara Ann Karmanos Cancer Institute, USA; Lajos Pusztai, MD Anderson Cancer Center, University of Texas, USA; Neal Rosen, Memorial Sloan-Kettering Cancer Center (MSKCC), USA; Eric Rowinsky, New York University School of Medicine, USA; Charles Rudin, Johns Hopkins University, USA; Adrian Senderowicz, AstraZeneca, USA; Lillian Siu, Ontario Cancer Institute, Canada; Josep Taberner, Vall d'Hebron University Hospital, Spain; Jaap Verweij, Erasmus University Medical Center, The Netherlands; Dan Von Hoff, Translational Genomics Research Institute, USA; Richard Wahl, Johns Hopkins Medicine, USA; Douglas Yee, University of Minnesota, USA



CNIO FRONTIERS Meetings 2010
Spanish National Cancer Research Centre

22-24 November 2010
Preparatory sessions: October 16, 2010

Cancer Pharmacogenetics: Personalising Medicine

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

Speakers: Javier Benítez, CNIO, Spain; Peter Campbell, Wellcome Trust Sanger Institute, UK; Anna Di Rienzo, University of Chicago, USA; Julian Downward, Cancer Research UK London Research Institute (LRI); Manel Esteller, Bellvitge Biomedical Research Institute (IDIBELL), Spain; William E. Evans, St. Jude Children's Research Hospital, USA; Bruno Flamion, FUNDP-University of Namur, Belgium; Anna González-Neira, CNIO, Spain; Jörg D. Hoheisel, German Cancer Research Centre (DKFZ), Germany; Magnus Ingelman-Sundberg, Karolinska Institutet, Sweden; Miguel Martín, Hospital General Universitario Gregorio Marañón, Spain; Howard McLeod, University of North Carolina, USA; Christian Meisel, Roche Pharma Research and Early Development, Germany; Arcadi Navarro, Pompeu Fabra University, Spain; Cristina Rodríguez-Antona, CNIO, Spain; Rafael Rosell, Catalan Institute of Oncology (ICO), Spain; Alex Sparreboom, St. Jude Children's Research Hospital, USA; Ron Van Schaik, Erasmus University Medical Center, The Netherlands

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Cancer Pharmacogenetics: Personalising Medicine

November 22–24, 2010

Organisers: Javier Benítez, CNIO, Spain; William E. Evans, St. Jude Children's Research Hospital, USA; Magnus Ingelman-Sundberg, Karolinska Institutet, Sweden; Miguel Martín, Hospital General Universitario Gregorio Marañón, Spain

Sessions: Inherited and somatic genetic variation and cancer pharmacotherapy; Pharmacogenomic and epigenomic determinants of anti-cancer drug efficacy; Pharmacogenetics of cancer adverse effects; State-of-the-art in high-throughput technologies and bioinformatic tools for Pharmacogenetics; Implementing Pharmacogenetics: how industry, regulators, clinicians and policymakers are shaping the field

Speakers: Javier Benítez, CNIO, Spain; Peter Campbell, Wellcome Trust Sanger Institute, UK; Anna Di Rienzo, University of Chicago, USA; Julian Downward, Cancer Research UK London Research Institute (LRI); Manel Esteller, Bellvitge Biomedical Research Institute (IDIBELL), Spain; William E. Evans, St. Jude Children's Research Hospital, USA; Bruno Flamion, FUNDP-University of Namur, Belgium; Anna González-Neira, CNIO, Spain; Jörg D. Hoheisel, German Cancer Research Centre (DKFZ), Germany; Magnus Ingelman-Sundberg, Karolinska Institutet, Sweden; Miguel Martín, Hospital General Universitario Gregorio Marañón, Spain; Howard McLeod, University of North Carolina, USA; Christian Meisel, Roche Pharma Research and Early Development, Germany; Arcadi Navarro, Pompeu Fabra University, Spain; Cristina Rodríguez-Antona, CNIO, Spain; Rafael Rosell, Catalan Institute of Oncology (ICO), Spain; Alex Sparreboom, St. Jude Children's Research Hospital, USA; Ron Van Schaik, Erasmus University Medical Center, The Netherlands

In addition 8 posters were presented during this CFM.

CHEMORES CHEMORES Meeting

TUMOUR CHEMOTHERAPY RESISTANCE January 10-13, 2010

Organisers: Mariano Barbacid, CNIO, Spain; Carmen Guerra, CNIO, Spain; Carolina Johansson, Karolinska Institutet, Sweden

Speakers: Andrey Alexeyenko, Karolinska Institutet, Sweden; Mariano Barbacid, CNIO, Spain; Fiona Blackhall, University of Manchester, UK; Stefano Calza, Karolinska Institutet, Sweden; Alexander Eggermont, Erasmus University, The Netherlands; Suzanne Egyhazi, Karolinska Institutet, Sweden; Johan Hansson, Karolinska Institutet, Sweden; Vladimir Lazar, Institut Gustave Roussy, France; Rolf Lewensohn, Karolinska Institutet, Sweden; Stig Linder, Karolinska Institutet, Sweden; Curt Peterson, Linköping University, Sweden; Gabriella Sozzi, Istituto Nazionale dei Tumori, Italy



3rd International Cancer Genome Consortium (ICGC) Scientific Workshop March 21-23, 2010

Organisers: Cindy Bell, Genome Canada; Fabien Calvo, Institut National du Cancer (INCa), France; Daniela Gerhard, National Institutes of Health (NIH), USA; Thomas Hudson, Ontario Institute for Cancer Research, Canada; Jennifer Jennings, Ontario Institute for Cancer Research, Canada; Peter Klatt, Spanish Ministry of Science and Innovation, Spain; Brad Ozenberger, National Institutes of Health (NIH), USA; Miguel Ángel Piris, CNIO, Spain; Tatsuhiro Shibata, National Cancer Center Research Institute, Japan; Michael Stratton, Wellcome Trust Sanger Institute, UK

Speakers: Andrew Biankin, Garvan Institute of Medical Research, Australia; Martin Bobrow, University of Cambridge, UK; Fabien Calvo, Institut National du Cancer (INCa), France; Peter Campbell, Wellcome Trust Sanger Institute, UK; Elias Campo, Hospital Clínic, Spain; Lynda Chin, Dana-Farber Cancer Institute, USA; Andy Futreal,

Wellcome Trust Sanger Institute, UK; Stacey Gabriel, Broad Institute, USA; Gaddy Getz, Broad Institute, USA; Sean Grimmond, University of Queensland, Australia; Thomas Hudson, Ontario Institute for Cancer Research, Canada; Saadi Khochbin, INSERM/Université Joseph Fourier, France; Bartha Knoppers, McGill University, Canada; Peter Laird, University of Southern California, USA; Peter Lichter, German Cancer Research Center Heidelberg (DKFZ), Germany; Youyong Lu, Peking University School of Oncology, Beijing Cancer Hospital/Institute, China; Partha Majumder, Indian Statistical Institute, India; John McPherson, Ontario Institute for Cancer Research, Canada; Hidewaki Nakagawa, RIKEN, Japan; Isabel Oriol Díaz de Bustamante, Asociación Española Contra el Cáncer (AECC), Spain; Brad Ozenberger, National Institutes of Health (NIH), USA; Miguel Ángel Piris, CNIO, Spain; Chris Sander, Memorial Sloan-Kettering Cancer Center (MSKCC), USA; Rajiv Sarin, ACTREC, Tata Memorial Centre, India; Tatsuhiro Shibata, National Cancer Center Research Institute, Japan; Paul Spellman, Lawrence Berkeley National Laboratory (LBNL) USA; Lincoln Stein, Ontario Institute for Cancer Research, Canada; Michael Stratton, Wellcome Trust Sanger Institute, UK; Gilles Thomas, Plateforme INCA Synergie Lyon Cancer, France; Laura van't Veer, The Netherlands Cancer Institute; Joseph G. Vockley, National Cancer Institute-NIH, USA; Jessica Zucman-Rossi, Institut National du Cancer (INCa), France



4th ESO-CNIO Familial Cancer Conference

June 7-8, 2010

Organisers: Javier Benítez, CNIO, Spain; Hans F. A. Vasen, Leiden University Medical Centre, The Netherlands

Speakers: Lauri A. Aaltonen, University of Helsinki, Finland; Antonis C. Antoniou, University of Cambridge, UK; Javier Benítez, CNIO, Spain; Brigitte Bressac de Paillerets, Institut Gustave Roussy, France; Antoni Castells, Hospital Clínic, Spain; David Goldgar, University of Utah, USA; Carmen Guerra, CNIO, Spain; Claude Houdayer, Institut Curie, France; Zsafia Kote-Jarai, The Institute of Cancer Research, UK; Fiona Laloo, St Mary's Hospital, UK; Pablo Lapunzina, Hospital Universitario La Paz, Spain; Conxi Lázaro, Institut Català d'Oncologia, Spain; Jan Lubinski, Pomeranian Medical University, Poland; Eamonn R. Maher, University of Birmingham, UK; Ana Osorio, CNIO, Spain; José Palacios, Hospital Universitario Virgen del Rocío, Spain; Paolo Radice, Fondazione IRCCS Istituto Nazionale dei Tumori, Italy; Mercedes Robledo, CNIO, Spain; Sergio Romeo-Malanda, University of Las Palmas, Spain; Susan Shanley, Royal Marsden Hospital, UK; Dominique Stoppa-Lyonnet, Institut Curie, France; Jordi Surrallés, Autònoma University of Barcelona, Spain; A. M. Taylor, University of Birmingham, UK; Steinunn Thorlacius, University of Turin, Italy; Ian Tomlinson, University of Oxford, UK; Miguel Urioste, CNIO, Spain;

Hans F. A. Vasen, Leiden University Medical Centre, The Netherlands

DIFHEMAT Network Meeting

September 16, 2010

Organisers: Almudena R. Ramiro, CNIO, Spain

Speakers: Carlos Ardavin, Centro Nacional de Biotecnología (CNB-CSIC), Spain; Natalia Serrano, Centro Nacional de Microbiología, Spain; Belén de Andrés, Centro Nacional de Microbiología, Spain; Pilar Delgado, CNIO, Spain; Nahikari Bartolomé, CNIO, Spain; Lorena Rodríguez, Centro Nacional de Biotecnología (CNB-CSIC), Spain; Maitane Ortiz, Centro Nacional de Biotecnología (CNB-CSIC), Spain; Jorge Moscat, University of Cincinnati College of Medicine, USA; Patricia Fuentes, Centro de Biología Molecular (CBM-CSIC), Spain; María Jesús García León, Centro de Biología Molecular (CBM-CSIC), Spain; Yolanda Carrasco, Centro Nacional de Biotecnología (CNB-CSIC), Spain; Emilia Mira, Centro Nacional de Biotecnología (CNB-CSIC), Spain; Alicia González, Centro Nacional de Biotecnología (CNB-CSIC), Spain; Carlos del Fresno, Centro Nacional de Biotecnología (CNB-CSIC), Spain



EMBO Young Investigator Meeting: DNA Recombination and Repair

September 23-24, 2010

Organisers: Óscar Fernández-Capetillo, CNIO, Spain

Speakers: Simon Boulton, Clare Hall, Cancer Research UK London Research Institute (LRI); Vincenzo Costanzo, Clare Hall, Cancer Research UK London Research Institute (LRI); Fabrizio d'Adda di Fagagna, IFOM, Italy; Óscar Fernández-Capetillo, CNIO, Spain; Lumir Krejci, National Center for Biomolecular Research, Czech Republic; Karim Labbib, Paterson Institute for Cancer Research, UK; Philippe Pasero, Centre National de la Recherche Scientifique (CNRS), France; John Rouse, MRC Protein Phosphorylation Unit, University of Dundee, UK

Meetings in Spanish



Avances de las Técnicas Citogenéticas en el Diagnóstico de las Hemopatías Malignas

April 22, 2010

Organisers: Juan C. Cigudosa, CNIO, Spain; Blanca Espinet, Hospital del Mar, Spain; Grupo Cooperativo Español de Citogenética Hematológica; Asociación Española de Hematología y Hemoterapia (AEHH); IZASA, S.A

Speakers: Xabier Agirre, CIMA, Spain; Sara Álvarez, CNIO, Spain; M. José Calasanz, Universidad de Navarra, Spain; Blanca Espinet, Hospital del Mar, Spain; Christine J. Harrison, Northern Institute for Cancer Research, Newcastle University, UK; Rocío Salgado, Hospital del Mar, Spain

Training courses and workshops in English



4th Course on Functional Analysis of Gene Expression

February 16, 2010

Organisers: Osvaldo Graña, CNIO, Spain; David G. Pisano, CNIO, Spain

Speakers: Gonzalo Gómez, CNIO, Spain; Daniel Rico, CNIO, Spain



3rd Course on Introduction to Sequence Analysis

March 2, 2010

Organisers: Osvaldo Graña, CNIO, Spain; David G. Pisano, CNIO, Spain

Speakers: Osvaldo Graña, CNIO, Spain; Daniel Rico, CNIO, Spain

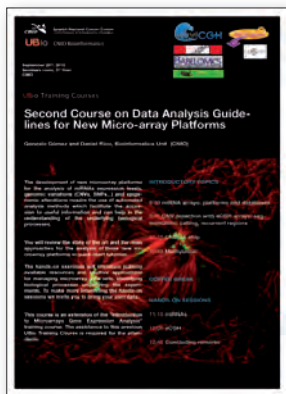


3rd Course on Introduction to Microarray Gene Expression Analysis

May 25, 2010

Organisers: Osvaldo Graña, CNIO, Spain; David G. Pisano, CNIO, Spain

Speakers: Gonzalo Gómez, CNIO, Spain; Daniel Rico, CNIO, Spain; Orlando Domínguez, CNIO, Spain

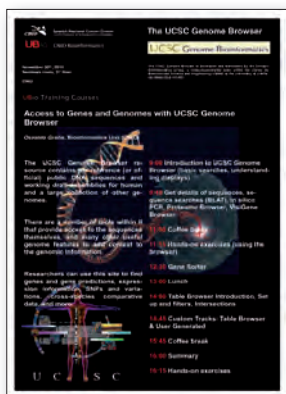


2nd Course on Data Analysis Guidelines for New Microarray Platforms

September 28, 2010

Organisers: Osvaldo Graña, CNIO, Spain; David G. Pisano, CNIO, Spain

Speakers: Gonzalo Gómez, CNIO, Spain; Daniel Rico, CNIO, Spain



4th Course on Genome Browsing

November 23, 2010 and November 30, 2010

Organisers: Osvaldo Graña, CNIO, Spain; David G. Pisano, CNIO, Spain

Speakers: Giulietta Spudich, European Bioinformatics Institute (EBI), UK; Osvaldo Graña, CNIO, Spain

Training courses and workshops in Spanish



Nuevas Tecnologías en Microscopía Confocal

November 23-25, 2010

Organisers: Diego Megías, CNIO, Spain; Marga Fité, Leica Microsystems, Spain

Speakers: Nathalie Garin, Leica Microsystems, Switzerland; Diego Megías, CNIO, Spain; Juan Luis Monteagudo, Leica Microsystems, Spain

CNIO Distinguished Seminars

The CNIO invites a large number of distinguished scientists from all over the world to deliver talks on their current research. These talks are advertised via posters as well as the CNIO's web site and are open to the scientific community. The main activity in this context is the annual CNIO Distinguished Seminar Series with talks by internationally renowned scientists who have made important contributions to their respective fields and are invited to present their latest data.

In addition to the CNIO Distinguished Seminar Series, the CNIO also hosts numerous *ad hoc* seminars throughout the year. In total, there were 22 CNIO Distinguished Seminars and 67 *ad hoc* seminars in 2010.

CNIO Distinguished Seminar Series

January

22nd **Louis M. Staudt**

National Cancer Institute-NIH, Bethesda, USA
RNA interference screens and cancer gene resequencing identify the Achilles heel of cancer

29th **Kim Nasmyth**

University of Oxford, UK
How does cohesin get onto chromosomes?

February

5th **Ferran Azorín**

Molecular Biology Institute of Barcelona (IBMB-CSIC), Spain
The regulation of chromatin functions

12th **Inder Verma**

The Salk Institute, La Jolla, USA
Cancer: a malady of genes

19th **Christopher Wild**

International Agency for Research on Cancer (IARC), Lyon, France
Facing the global cancer burden: the contribution of molecular epidemiology

March

5th **Josef Penninger**

Institute of Molecular Biotechnology (IMBA), Vienna, Austria
Whole genome screens in fly to model human diseases

26th **Scott Lowe**

Cold Spring Harbour Laboratory (CSHL), New York, USA
Dissecting tumour suppressor gene networks *in vivo*

April

16th **Nenad Ban**

Institute of Molecular Biology and Biophysics-ETH, Zürich, Switzerland
The toolbox of large macromolecular assemblies involved in protein and fatty acid synthesis

23rd **Rodney Rothstein**

Columbia University, New York, USA
Kinetochore components define a single lineage in budding yeast and also affect the DNA damage response

May

14th **Guido Kroemer**

Institut de Cancérologie Gustave Roussy, Villejuif, France
The desirable death... of the cancer cell

28th **Andy McMahon**

Harvard Stem Cell Institute, Harvard University, Cambridge, USA
From progenitor to product: assembly and repair of the mammalian kidney

June

4th **Alejandro Sánchez-Alvarado**

Howard Hughes Medical Institute (HHMI), University of Utah School of Medicine, Salt Lake City, USA
Regeneration, stem cells & the planarian *Schmidtea mediterranea*

11th **Duoja (D.J.) Pan**

Johns Hopkins University School of Medicine, Baltimore, USA
Control of organ size and tumorigenesis by the Hippo signalling pathway

25th **Arnold J. Levine**

The Simons Center for Systems Biology, Institute for Advanced Study, Princeton, USA
The Evolution of the p53, p63, p73 gene family: structural and functional analysis

September

3rd **Pere Gascón**

August Pi i Sunyer Biomedical Research Institute (IDIBAPS), Barcelona, Spain
The role of tachykinins in breast cancer

17th **Toshihiro Nukiwa**

Tohoku University School of Medicine, Sendai, Japan
Reverse Oncology: clinical impact of EGFR activating mutation and the personalisation of the future therapy

24th Johannes L. Bos
University Medical Center Utrecht, The Netherlands
Spatio-temporal control of the Rap1 signalling network in cell adhesion

October

1st Emmanouil Dermitzakis
University of Geneva Medical School, Switzerland
Cellular genomics in the era of whole genome sequencing

29th Manuel Peitsch
Novartis Institute for BioMedical Research, Basel, Switzerland
Systems Biology-based toxicological assessments

November

5th Wilhelm Krek
Institute of Cell Biology, Zürich, Switzerland
Metabolic stress signalling in cancer

19th Tom Misteli
National Cancer Institute-NIH, Bethesda, USA
Nuclear architecture, ageing, stem cells and cancer

December

3rd Stephen Harrison
Harvard Medical School, Boston, USA
Steps toward visualising the molecular architecture of kinetochores

Ad Hoc Seminars

January

8th Stefano Stella
University of California Los Angeles School of Medicine, USA
A crystal structure study reveals how intrinsic shape of the DNA drives the non specific binding of the FIS protein

13th Lucia Altucci
University of Naples, Italy
Targeting multiple epigenetic enzymes as anti-cancer approach *in vivo*

19th Raúl Méndez
Centre for Genomic Regulation (CRG), Barcelona, Spain
A CPEB-mediated translational control circuit regulates meiosis, mitosis and tumour development

28th Madalena Tarsounas
The Gray Institute for Radiation Oncology & Biology, University of Oxford, UK
BRCA2 is required for telomere maintenance

28th Cristina Rodríguez-Antona
CNIO, Madrid, Spain
Improving anticancer drug treatment through pharmacogenomics

February

3rd David Beach
Queen Mary University London, Centre for Cutaneous Research, UK
New modulators of p16: relevance to human ageing

4th Clare L. Scott
Royal Melbourne Hospital, Victoria, Australia
Harnessing BH3-only proteins to improve efficacy of cancer therapies

4th Carlos I. Michel
Washington University, Saint Louis, USA
SnoRNAs U32a, U33, and U35a are critical mediators of lipotoxic and oxidative stress

8th Gerardo Ferbeyre
University of Montreal, Canada
Cellular senescence, cytokine signalling and the DNA damage response

8th Maite Huarte
Harvard Medical School, Boston, USA
LincRNAs: new epigenetic regulators of oncogenic pathways

9th Francesc Calafell
Institute of Evolutionary Biology, CSIC-Pompeu Fabra University, Barcelona, Spain
Finding the missing heritability in genetic association studies: an evolutionary approach

15th Isabel Fariñas
University of Valencia, Spain
Niche and community effects in the regulation of neural stem cell renewal

March

5th Alfonso De Simone
University of Cambridge, UK
Conformational equilibria in solution states of proteins probed by residual dipolar couplings

9th Jochen Schulze
University of Hamburg, Germany
The role of Wnt-signalling in the regulation of bone remodelling

12th Jorge Ferrer
Hospital Clinic, August Pi i Sunyer Biomedical Research Institute (IDIBAPS), Barcelona, Spain
Charting the epigenome of pancreatic islet cells in health and disease

15th María Nieto
Autonoma University of Barcelona, Spain
Architecture of the metaphase chromosome

16th Ana Cadavez
University of Valladolid, Spain
Research proposal: P21 CIP1 functions in response to DNA double-strand breaks (DSBs) in spermatocytes, lymphocytes and tumour cells

16th Florian Greten
International Max Planck Research School for Molecular and Cellular Life Sciences (IMPRS-LS), Munich, Germany
Molecular mechanisms in intestinal cancer

16th Juan Fernández-Recio
Barcelona Supercomputing Center, Spain
Current challenges in prediction of protein-protein and protein-nucleic acid interactions

26th Humberto Sánchez
Erasmus University Medical Center, Rotterdam, The Netherlands
The usual suspects interrogated one by one: single molecule approaches to DNA repair

26th Rudolf Grosschedl
Max-Planck Institute of Immunobiology, Freiburg, Germany
Transcriptional networks regulating early lymphocyte differentiation

April

6th Mayra Furlan
Instituto de Fisiología Celular, Universidad Nacional Autónoma de México
Formation and maintenance of a gene domain: the role of the chicken alfa-globin insulators

9th Tim Clausen
Research Institute of Molecular Pathology (IMP), Vienna, Austria
Protein arginine phosphorylation in transcriptional regulation

12th Hui Wu
University of Heidelberg, Germany
Zonal heterogeneity of transcriptional profile in squamous cell lung carcinoma invasion and tumour-host interaction

28th Abraham Hochberg
The Hebrew University of Jerusalem, Israel
Oncofetal H19: from the bench to the clinic

May

3rd David Martín
Center for Genomic Regulation (CRG), Barcelona, Spain
Constitutive CTCF binding sites define mandatory boundaries in vertebrate genomes

6th Astrid Lægreid
Norwegian University of Science and Technology, Trondheim, Norway
A systems approach to gastrointestinal disease

7th José A. Enríquez
CNIC, Madrid, Spain
New flavours of the mitochondria

13th Antonio Pérez
Hospital Infantil Universitario Niño Jesús, Madrid, Spain
Natural Killer alloreactivity in pediatric solid tumours

13th Thomas Marlovits
Research Institute of Molecular Pathology (IMP), Vienna, Austria
Armed Bacteria: the structure and reprogramming of the type III secretion system

25th Ana Goncalves
Swiss Federal Institute of Technology-ETH, Zurich, Switzerland and University of Porto (CBAS), Portugal
Crucial roles for PINCH 1 and PINCH 2 in radial sorting of axons and Schwann cell autocrine survival during development of peripheral nervous system

25th Nouet Yann
Pasteur Institute, Paris, France
FHL2, a role in cell proliferation, colorectal carcinogenesis and liver carcinogenesis

26th Curtis C. Harris
National Cancer Institute-NIH, Bethesda, USA
Inflammation and cancer: interweaving microRNA, inflammatory cytokines and p53 pathways

June

9th Ken H. Young
University of Wisconsin Hospital and Clinics, Madison, USA
Diffuse Large B-cell lymphoma consortium program: TP53 pathway and gene expression profiling studies

9th Peter Petzelbauer
University of Vienna Medical School, Austria
A vasculoprotective peptide to improve survival in acute lung injury

9th David Goldgard
University of Utah, Salt Lake City, USA
Design considerations for massively parallel sequencing studies of complex human disease

28th Fátima Bosch
Center of Animal Biotechnology and Gene Therapy (CBATEG), Autònoma University of Barcelona, Spain
Gene therapy approaches for diabetes and other metabolic diseases

29th Ivo Gut
Spanish National Sequencing Centre (CNAG), Barcelona, Spain
From genome-wide association to whole genome sequencing in cancer

30th Valter Longo
University of Southern California, Los Angeles, USA
Differential stress resistance in cancer treatment

July

6th Luis Fernández
IFOM, Milan, Italy
Prep1 protects pluripotent epiblast cells from p53-dependent apoptosis

7th Kevin Verstrepen
University of Leuven and VIB, Belgium
Mechanisms underlying rapid evolution in eukaryotes

9th Jorge Moscat
The Vontz Center for Molecular Studies, University of Cincinnati College of Medicine, USA
Inflammation in obesity and cancer by the PKC ζ -p62 complex

13th Rama Khokha
Ontario Cancer Institute, Toronto, Canada
Discovery of cancer genes and molecular subtypes via mouse models

13th Lluís Montoliu
Centro Nacional de Biotecnología (CNB-CSIC), Madrid, Spain
The Spanish node of the European Mutant Archive (EMMA)

16th Eva Nogales
Howard Hughes Medical Institute (HHMI), University of California Berkeley, USA
Functional insights into transcriptional regulation from electron microscopy and image reconstruction

19th Romeo Ricci
Institute of Cell Biology-ETH, Zürich, Switzerland
The many faces of p38 δ -PKD signalling

19th Izabela Sumara
Institute of Biochemistry-ETH, Zürich, Switzerland
Cul3-mediated ubiquitin signalling pathways controlling cell division

30th Sara Bianco
University of Padova, Italy
Phenanthroline derivatives as novel selective ligands for G-quadruplex structures

August

5th Meritxell Rovira
Johns Hopkins University Medical Center, Baltimore, USA
Finding the center: centroacinar/terminal ductal progenitor cells in adult mouse pancreas

16th David M. Rocke
University of California Davis, USA
Serum glycan biomarkers for diagnosis and prognosis

26th Tim Cash
University of Pennsylvania, Philadelphia, USA
Molecular mechanisms of the Birt-Hogg-Dubé tumour suppressor

September

7th Iñaki de Diego
EMBL, Hamburg, Germany
Regulation of death associated protein kinase by calcium/calmodulin

9th Mónica Álvarez
University Medical Center Utrecht, The Netherlands
Regulation of mitotic entry after a DNA damage-induced arrest

30th Martín G. Míguez
Fisher Scientific, Madrid, Spain
In vivo imaging with near infrared fluorescent optical probes

October

1st Ritu Dhand
Nature Publishing Group, London, UK
Nature: the journal, the review process, and the publishing group

14th Lee Rivera
University of Texas Southwestern, Dallas, USA
Anti-VEGF therapy has pro- and anti- tumour effects in a mouse model of pancreatic adenocarcinoma

18th Roger Gomis
Institute for Research in Biomedicine (IRB), Barcelona, Spain
Metastasis: from dissemination to organ-specific colonisation

19th Coral Barbas
San Pablo-CEU University, Madrid, Spain
Metabolomics, the next tool in the "omics" toolbox

22nd Dieter Saur
Technical University München, Germany
Pancreatic cancer: from signalling to diagnosis

November

2nd Freddy Radtke
ISREC, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland
Notch signalling in epidermal self-renewal and cancer

10th Raul Rabadan
Columbia University College of Physicians and Surgeons, New York, USA
Searching for needles in haystacks: thinking about fast evolutionary processes through NextGen sequencing of tumours and RNA viruses

12th Nicole Dölker
Max Planck Institute for Biophysical Chemistry, Göttingen, Germany
Disorder and flexibility in nucleocytoplasmic transport

12th Ana Misić
University of Wisconsin, Madison, USA
Structural and functional characterisation of the bacterial motor protein, PilT

16th Carmen Rivas
Centro Nacional de Biotecnología (CNB-CSIC), Madrid, Spain
What can we learn about cancer with the help of viruses?

17th Kunchithapadam Swaminathan
National University of Singapore
Signal transduction in cancer and stress—a structural approach

25th Fatima Al-Shahrour
Brigham and Women's Hospital, Harvard University, Cambridge, USA and Broad Institute, Boston, USA
Bioinformatic approaches for discovering candidate genes in leukaemia

December

15th Pedro Medina
Yale University, New Haven, USA
MicroRNAs as oncogenes and tumour suppressors *in vivo*
