

SCIENTIFIC EVENTS

CNIO-“LA CAIXA” BANKING FOUNDATION FRONTIERS MEETINGS

The “CNIO-”la Caixa” Banking Foundation Frontiers Meetings” are the main international conferences co-organised by the CNIO and the ”la Caixa” Banking Foundation. They focus on specific, cutting-edge aspects of cancer research, thus providing a unique platform for an intensive and dynamic exchange and debate on scientific ideas. The invited speakers – 20 internationally renowned leaders in oncology – present their latest findings during two and a half days. The provided learning environment encourages delegates to: exchange

experiences, ideas and practices upheld at their companies; network to and create connections with researchers with similar interests; listen to and meet the keynote speakers; enjoy the extra-curricular conference programme; and hear about the latest developments in the research field. Up to 100 additional participants are selected – via a widely publicised call for applications – based on their potential to make relevant contributions to the conference by presenting hot topics as posters or short talks.

MOLECULAR, CELLULAR AND ORGANISMAL HALLMARKS OF AGING 7-9 MAY 2018

ORGANISERS

- **Maria A. Blasco**, Spanish National Cancer Research Centre (CNIO), Madrid, Spain
- **Kathleen Collins**, University of California at Berkeley, US
- **Alejo Efeyan**, Spanish National Cancer Research Centre (CNIO), Madrid, Spain
- **Thomas Rando**, Stanford University, US

SESSIONS

- STEM CELLS AND REGENERATION
- GENOME INSTABILITY
- NUTRIENTS
- SENESCENCE
- ENERGY AND MITOCHONDRIA

SPEAKERS

- **Johan Auwerx**, Ecole Polytechnique Fédérale de Lausanne, Switzerland
- **Salvador Aznar Benitah**, Institute for Research in Biomedicine, Barcelona, Spain
- **Shelley Berger**, The Perelman School of Medicine at the University of Pennsylvania, US
- **Maria A. Blasco**, Spanish National Cancer Research Centre, Madrid, Spain
- **Anne Brunet**, Stanford University, US
- **Judith Campisi**, Buck Institute for Research on Aging, Novato, US



- **Kathleen Collins**, University of California at Berkeley, US
- **Alejo Efeyan**, Spanish National Cancer Research Centre, Madrid, Spain
- **José Antonio Enríquez**, Spanish National Center for Cardiovascular Research, Madrid, Spain
- **Manel Esteller**, The Bellvitge Biomedical Research Institute, Barcelona, Spain
- **Óscar Fernández Capetillo**, Spanish National Cancer Research Centre, Madrid, Spain
- **Marcia Haigis**, Harvard Medical School, Boston, US
- **Jan Hoeijmakers**, Erasmus MC Rotterdam, Netherlands
- **Steve Horvath**, UCLA David Geffen School of Medicine, Los Angeles, US
- **Juan Carlos Izpisua Belmonte**, Salk Institute for Biomedical Studies, La Jolla, US
- **Matt Kaeberlein**, University of Washington, Seattle, US

- **Cynthia Kenyon**, University of California at San Francisco; Calico Laboratories, US
- **Thomas Rando**, Stanford University, US
- **Manuel Serrano**, Institute for Research in Biomedicine, Barcelona, Spain

- **David Sinclair**, Harvard Medical School, US
 - **Jan van Deursen**, Mayo Clinic, Rochester, US
- In addition, 8 short talks were selected among participants' contributions and 26 posters were presented.

FRONTIERS IN IMMUNOMODULATION AND CANCER THERAPY 9-11 JULY 2018

ORGANISERS

- **Victoria Aranda**, Senior Editor, Nature, New York, US
- **Nabil Djouder**, Growth Factors, Nutrients and Cancer Group, CNIO, Madrid, Spain
- **Joao Monteiro**, Chief Editor at Nature Medicine, New York, US
- **Marisol Soengas**, Melanoma Group, CNIO, Madrid, Spain
- **Laurence Zitvogel**, Gustave Roussy Institute, Paris, France

SESSIONS

- TUMOR-STROMA-IMMUNE SYSTEM CROSSTALK
- IMMUNOMODULATION AND IMMUNOTOLERANCE 1
- IMMUNOMODULATION AND IMMUNOTOLERANCE 2
- MICROBIOTA, IMMUNE SYSTEM AND TUMOR PROGRESSION
- TARGETING IMMUNE SYSTEM: IMMUNOTHERAPY

SPEAKERS

- **Yasmine Belkaid**, The National Institute of Health (NIH), Bethesda, US
- **Nina Bhardwaj**, Icahn School of Medicine at Mount Sinai, New York, US
- **Marcus W. Bosenberg**, Yale Cancer Center, New Haven, US
- **Peter Carmeliet**, VIB-KU Leuven Center for Cancer Biology, Belgium
- **Thomas Gajewski**, The University of Chicago, US
- **Carola García de Vinuesa**, John Curtin School of Medical Research, The Australian National Univ., Australia
- **Nicholas W. Haining**, Dana-Farber Cancer Institute & Broad Institute, US
- **Guido Kroemer**, The Cordeliers Research Centre (CRC), Paris, France
- **Dan R. Littman**, The Helen L. and Martin S. Kimmel Center for Stem Cell Biology, NYU Langone, US
- **Randy Longman**, Weill Cornell Medicine, US
- **Alberto Mantovani**, Humanitas Clinical and Research Center, Milan, Italy
- **Glenn Merlino**, Center for Cancer Research, NCI, Bethesda, US
- **Graham Pawelec**, The University of Tübingen, Germany



- **Mercedes Rincon**, University of Vermont Medical Center, Burlington, US
- **Andrea Schietinger**, Memorial Sloan Kettering Cancer Center, NY, US
- **Ton Schumacher**, The Netherlands Cancer Institute (NIK), Amsterdam, Netherlands
- **Melody Swartz**, Institute for Molecular Engineering, University of Chicago, US
- **Erwin Wagner**, Spanish National Cancer Research Centre (CNIO), Madrid, Spain
- **Jennifer Wargo**, The University of Texas MD Anderson Cancer Center, Houston, US
- **Laurence Zitvogel**, Gustave Roussy Institute, Villejuif, France

In addition, 10 short talks were selected among participants' contributions and 35 posters were presented.

OTHER MEETINGS & CONFERENCES

The CNIO annually hosts various international meetings and conferences.

RETOS DE LA MEDICINA PERSONALIZADA DE PRECISI3N EN ESPAÑA
 4 JUNE 2018

ORGANISERS

- **Fátima Al-Shahrour**, *Jefa de la Unidad de Bioinformática, Centro Nacional de Investigaciones Oncológicas (CNIO)*
- **Enrique Carrillo de Santa Pau**, *Jefe del Grupo de Biología Computacional, IMDEA Alimentación*
- **Alfonso Valencia**, *Director del Departamento de Ciencias de la Vida, Centro de Supercomputación de Barcelona*


CNIO: MINI SYMPOSIUM - MOLECULAR ONCOLOGY PROGRAMME
 18 OCTOBER 2018

ORGANISER

- CNIO

RED BIOBANCOS-CIBER-CNIO: JORNADA DE COMITÉS DE ÉTICA DE LOS BIOBANCOS; TRABAJO EN RED
 24 OCTOBER 2018

ORGANISERS

- *Plataforma de la Red Nacional de Biobancos*
- *Centro Nacional de Investigaciones Oncológicas (CNIO)*
- *Consortio Centro de Investigación Biomédica en Red, M.P. (CIBER)*


CNIO: MINI SYMPOSIUM - CANCER SYSTEMS BIOLOGY
 31 OCTOBER 2018

ORGANISER

- CNIO

CNIO-SOMMA: 100XCIENCIA.3 BRIDGING SCIENCE AND SOCIETY
 15 NOVEMBER 2018

ORGANISER

The twelve selected 10-minute flash talks presented by both SOMMA and external partners showcased ongoing projects revolving around science education and public engagement. The 100xciencia.3 welcomed **Prof. Robert Huber, 1988 Chemistry Nobel Prize winner**, as the keynote speaker; he delivered an exciting talk on “The century of vision: Protein structures for drug research”.

The challenges and opportunities resulting from citizen science and science education were discussed over three different round tables:

- The media as a channelling agent for science
- Scientists and science policy united for society
- Scientific empowerment of society

**100XCIENCIA.3
BRIDGING SCIENCE
AND SOCIETY**

15 NOV 2018 MADRID



TRAINING COURSES AND WORKSHOPS

The CNIO is committed to disseminating the results of state-of-the-art cancer research to the wider community, including medical professionals and junior scientists, thereby enabling them to stay abreast of recent developments in specialised

techniques. This is achieved through training courses and hands-on workshops organised by CNIO scientists and technologists.

WORKSHOP: TRANSCRIPTOME ANALYSIS OF TUMOURS
 30 JANUARY 2018

ORGANISERS

- **Núria Malats**, Genetic and Molecular Epidemiology Group, CNIO
- **Francisco X. Real**, Epithelial Carcinogenesis Group, CNIO
- **Invited Speaker: Aurélien De Reyniès**, CIT Program, Ligue Nationale Contre le Cancer, Paris, France.

The event mainly addressed researchers with an interest in the genomic analysis of tumours.

STATISTICAL METHODS FOR MICROBIOME STUDIES
 9 MARCH 2018

ORGANISERS

- **Núria Malats**, Genetic & Molecular Epidemiology Group, CNIO
- **CIBERONC ISCIII**
- **Invited Speaker: M. Luz Calle**, Biostatistics and Bioinformatics at the Systems Biology Department, University of Vic, Spain.



COURSE OF ANIMAL LABORATORY FROM FUNCTION C TO D

12 - 16 MARCH 2018

ORGANISERS

- CNIO
- ANIMALARIA

CNIO-JLABS: INNOVATION DAY WITH JOHNSON & JOHNSON INNOVATION

13 SEPTEMBER 2018

ORGANISERS

- CNIO
- JLABS

The session was geared towards scientists, entrepreneurs, researchers and business development professionals of healthcare start-ups. In addition, there was a half-day workshop where attendees learned pitching basics, business development skills and received information about funding opportunities in Spain.



TALLER CEGEN-PRB2: ESTUDIOS DE ASOCIACIÓN: DISEÑO Y ANÁLISIS DE DATOS

24 SEPTEMBER 2018

ORGANISERS

- **Javier Benítez**, Spanish National Cancer Research Centre, CNIO
- **Angel Carracedo**, The University of Santiago de Compostela USC
- **Anna González-Neira**, Spanish National Cancer Research Centre, CNIO
- **Inés Quintela**, The University of Santiago de Compostela USC
- **Maria Torres**, The University of Santiago de Compostela USC



FLOW CYTOMETRY COURSE

9 - 10 OCTOBER 2018

ORGANISERS

- **Lola Martínez**, Head of the Flow Cytometry Unit. CNIO. Madrid. Spain

SESSIONS

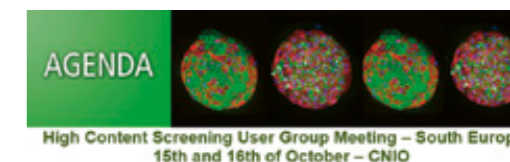
- Intro to Flow! Fundamentals & to collect accurate data in the cytometer
- Main Cytometry Applications – from cell cycle to single cell sorting

CNIO'S HIGH CONTENT SCREENING USER GROUP MEETING – SOUTH EUROPE

15 - 16 OCTOBER 2018

ORGANISERS

- **Diego Megías**, Spanish National Cancer Research Centre, CNIO
- **PerkinElmer**



HOW TO SUCCESSFULLY PERFORM & ANALYSE A MULTICOLOR FLOW EXPERIMENT WORKSHOP

24 - 26 OCTOBER 2018

ORGANISERS

- **Lola Martínez**, Head of the Flow Cytometry Unit. CNIO. Madrid. Spain
- **Andrea Valle**, Application Specialist FCS Express, DeNovo Software. Milano. Italy

SESSIONS

- Multicolour Flow: tricks and pitfalls
- Multicolour Flow panel design exercise
- Multicolour Flow hands-on practical exercise
- High-Dimensional analysis using FCS Express 6

WORKSHOP DE VESÍCULAS EXTRACELULARES -EXOMAS: BIOLOGÍA Y APLICACIONES EN EL CAMPO DE LA BIOMEDICINA

7 - 9 NOVEMBER 2018

ORGANISERS

- BIOBANCOS-CIBERES-GEIVEX-CIBERONC

SESSIONS

- *Taller A1: "Recogida de Muestras Sólidas"*
- *Taller B1: "Análisis de Riesgos y Oportunidades"*
- *Taller B2: "Recogida de Muestras Prospectivas"*
- *Taller A2: "¿Qué es un Biobanco?"*
- *Taller B3: "Cesión de Muestras y/o Colaboración Científica"*
- *Taller B4: "Poblaciones de Referencia"*
- *MESA DE DEBATE "Interacciones con stakeholders externos: Plataformas ISCIII/Biotecs/Pacientes/Instituciones/Salud Pública"*
- *Conferencia de Clausura "QUALITY MATTERS: INTERNATIONAL STANDARDS FOR BIOBANKING"*



CNIO DISTINGUISHED SEMINARS

The purpose of the Distinguished Seminars Series is to invite outstanding and internationally renowned scientists to give a seminar and to meet with researchers at the CNIO. Distinguished Seminars are recurrent events that are open to the general public and are held throughout the year, usually on Fridays at noon in the CNIO Auditorium. Each Distinguished Seminar series includes world-leading scientists who address topics that are of general interest to the CNIO faculty.

The idea behind this international seminar series is not simply to host outstanding cancer researchers to the CNIO, but also

serves to, annually, invite 3 to 4 opinion leaders from other areas of science, technology, and literature; the overarching goal is to enable the CNIO to present its know-how as well as its vision on contemporary and future technological, societal and cultural challenges. These “out-of-the-box” seminars are sponsored by the *Fundación Banco Sabadell* and the French Embassy. The breadth of expertise and topics covered creates a multidisciplinary and intellectually challenging environment that goes far beyond the frontiers of cancer research.

In total, the CNIO hosted 18 distinguished speakers in 2018.



DATE	SPEAKER	ORGANISATION	TITLE
JANUARY			
19/01/2018	Antoni Castells	Hospital Clinic of Barcelona, Spain	Clinical management of polyposis and non-polyposis colorectal cancer syndromes
26/01/2018	Andrés Aguilera	Andalusian Center for Molecular Biology and Regenerative Medicine, CABIMER, CSIC, Sevilla, Spain	Interplay between RNA and chromatin in the maintenance of genome integrity
FEBRUARY			
02/02/2018	Raúl Méndez	Institute for Research in Biomedicine (IRB Barcelona), Spain	The CPEB-family of RNA-binding proteins, mechanisms of action and new functions in cell cycle and cancer
16/02/2018	Jörg Hoheisel	DKFZ German Cancer Research Center, Heidelberg, Germany	Pancreatic cancer: mechanistic insights, personalised diagnostics, and novel therapy options
23/02/2018	John Rubinstein	The Hospital for Sick Children Research Institute, Toronto, Canada	Electron cryomicroscopy of rotary ATPases
26/02/2018	Shirley Kutner	Hebrew University of Jerusalem, Israel	The women of the Start-up Nation
MARCH			
23/03/2018	Kiyoshi Nagai	MRC Laboratory of Molecular Biology, Cambridge, UK	CryoEM snapshots of the spliceosome provide insights into the molecular mechanism of pre-mRNA splicing
APRIL			
06/04/2018	Stefan Kubicek	CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences, Vienna, Austria	Targeting chromatin for cancer cell synthetic lethality
13/04/2018	Arlene Sharpe	Harvard Medical School, Boston, US	Biology of PD-1 Checkpoint Blockade
20/04/2018	Adria R. Krainer	Cold Spring Harbor Laboratory, Watson School of Biological Sciences, NY, US	Antisense Therapy for Spinal Muscular Atrophy: Harnessing the Power of a Backup Gene
MAY			
25/05/2018	Edith Heard	Professor at Collège de France / Institut Curie, Paris, France	Exploring epigenetic dynamics in development and disease using the paradigm of X inactivation
JUNE			
01/06/2018	Kun-Liang Guan	Sanford Consortium for Regenerative Medicine (SCRIM) The University California, San Diego, US	The Hippo pathway in cell growth, organ size, and cancer
15/06/2018	Roger Lo	Jonsson Comprehensive Cancer Center, David Geffen School of Medicine at UCLA, US	Strategies to overcome therapeutic resistance in melanoma

SEPTEMBER			
21/09/2018	Karim Labib	Sir James Black Centre, School of Life Sciences, University of Dundee, Scotland	Destroying the eukaryotic replisome
OCTOBER			
05/10/2018	Rafael Yuste	The NeuroTechnology Center at Columbia University Biological Sciences, US	Reading the neural code: emergent properties of neural circuits
			
NOVEMBER			
23/11/2018	Nicolas Winssinger	University of Geneva, Switzerland	DNA-templated assemblies and reaction in chemical biology
30/11/2018	Caetano Reis e Sousa	The Francis Crick Institute, London, UK	Dendritic cells in immunity to infection and cancer
DECEMBER			
21/12/2018	Jonathan Kipnis	Center for Brain Immunology and Glia (BIG), University of Virginia, Charlottesville, US	Meningeal lymphatics in brain function (and dysfunction)
			

AD-HOC SEMINARS

In addition to the CNIO Distinguished Seminar Series, the CNIO also hosts numerous *ad-hoc* seminars throughout the year. *Ad hoc* seminars are organised for the purpose of academic interactions, academic elevation and enrichment, as well as academic *vis-a-vis* social networking; in addition to socialising with colleagues from other institutions. A total of 45 *ad-hoc* seminars were organised by CNIO researchers in 2018.

DATE	SPEAKER	ORGANISATION	TITLE
JANUARY			
29/01/2018	Salvador Aznar Benitah	Institute for Research in Biomedicine (IRB Barcelona), Spain	Adult stem cells in health and disease: interplay between time, diet and epigenetics
31/01/2018	Antoni Montserrat Moliner	Active Senior Adviser on Public Health European Commission, Luxembourg	30 years of public health action from the European Commission in the field of cancer: From the European Cancer Code 1986 to the iPAAC Joint Action in 2018
FEBRUARY			
07/02/2018	Cédric Blanpain	Université Libre de Bruxelles (ULB), Belgium	Cancer cell of origin and tumor heterogeneity
20/02/2018	Marco Cordani	Faculty of Medicine, Autonomous University of Madrid (UAM), Spain	Mutant p53 proteins alter signaling pathways involved in autophagy and redox regulation of cancer cells
23/02/2018	Kyohei Oyama	Asahikawa Medical University, Japan	Challenge to stable cell cycle exit in cardiac myocytes
27/02/2018	Pablo Baquero	Wolfson Wohl Cancer Research Centre, University of Glasgow, UK	Targeting Autophagy and Mitochondrial Metabolism to Eliminate Leukaemic Stem Cells

MARCH			
07/03/2018	Pasi Janne	Dana Farber Cancer Institute and Harvard University, Boston, US	Strategies to prevent and overcome resistance to EGFR inhibitors in lung cancer
APRIL			
05/04/2018	Doryen Bubeck	Imperial College, London, UK	Cryo-EM of the membrane attack complex reveals a flexible nanopore
05/04/2018	Giuseppe Bosso	SAPIENZA University of Rome, Italy	Insights into the epigenetic maintenance of Drosophila telomeres as revealed by the Hpl α - Effete/UbcD1 relationship
12/04/2018	Mario Rossi	National Scientific and Technological Research Council (CONICET); Max Planck Partner Institute of Biomedicine of Buenos Aires (IBioBA-MSPS), Argentina	Role of protein Ubiquitylation in tumor-cell migration and invasion
16/04/2018	Catharina von-Nicolai	Division of Oncology-Pathology, Karolinska Institutet, Stockholm, Sweden	A second DNA binding site in BRCA2 promotes homologous recombination
25/04/2018	Sander van den Heuvel	Institute of Biodynamics and Biocomplexity (IBB); Faculty of Science, Utrecht University, The Netherlands	Cell division, differentiation and tumor formation; insights from <i>C. elegans</i>
25/04/2018	Manuel Saldivia Concepcion	Centre for Immunology & Infection, The University of York, UK	Lighting up parasite development: How I met your kinase
MAY			
03/05/2018	Guillaume Belthier	Centre National de la Recherche Scientifique (CNRS), Montpellier, France	Innovative strategies to isolate CTCs with stemness properties
10/05/2018	Rubén Fernández Busnadiego	Max-Planck-Institute of Biochemistry. Dept of Molecular Structural Biology, Martinsried, Germany	Cryo-electron tomography: The cell biology that came in from the cold
10/05/2018	Eri Sakata	Max-Planck-Institute of Biochemistry. Dept of Molecular Structural Biology, Martinsried, Germany	Conformational landscape of the 26S proteasome gives insights into the gate-opening
16/05/2018	Heinz Neumann	Max Planck Institute of Molecular Physiology Dortmund, Germany	Studying chromatin with neo-functionalized proteins
22/05/2018	Miguel Jimenez Alcázar	University Medical Center Hamburg-Eppendorf, Germany	The Role of Neutrophil Extracellular Traps in Thrombosis
24/05/2018	Florian Karreth	H. Lee Moffitt Cancer Center, Florida. USA	Maximizing melanoma modeling in the mouse
28/05/2018	Ilse Rومان	Vrije Ujnviversiteit Brussel, Belgium	Pancreatic cancer - where did it go wrong?
JUNE			
04/06/2018	Daniel Herranz	Rutgers Cancer Institute of New Jersey, USA	Dissecting NOTCH1-controlled transcriptional and metabolic oncogenic programs in T-ALL
05/06/2018	Melania Sauri	Karolinska Institute, Stockholm, Sweden	Finding cancer Achilles's heels in metabolic pathways
11/06/2018	Luis Álvarez-Vallina	Aarhus University, Denmark	Engineering the Immune System for Enhanced Cancer Immunotherapy

14/06/2018	Paweł Kordowitzki	Institute of Animal Reproduction and Food Research PAS (IARFR) of the Polish Academy of Sciences, Olsztyn, Poland	<i>In vivo veritas?</i> A large animal model for human reproductive aging
19/06/2018	Maria Ibarra Dauden	EMBL Heidelberg - The European Molecular Biology Laboratory, Heidelberg, Germany	Structure basis of the tRNA binding on the Elongator sub-complex
JULY			
04/07/2018	René Medema	The Netherlands Cancer Institute, Amsterdam, Netherlands	Cell fate decisions after DNA damage: location, location, location?
13/07/2018	Daniel Rico	Institute of Cellular Medicine, Newcastle University, UK	Short and long distance relationships (in chromosomes)
16/07/2018	Bruno Conti	Dorris Neuroscience Center, The Scripps Research Institute La Jolla, California	Mechanisms of Aging and Age-Associated Diseases: Neuroimmunology of Parkinson's Disease
17/07/2018	Martin Leeb	University of Vienna, MFPL, Vienna, Austria	Dissecting the genetic complexity of embryonic stem cell differentiation
AUGUST			
23/08/2018	Joana Nunes	Meyer Cancer Center, Weill Cornell Medicine, New York, USA	The Metabolic Needs of Epithelial to Mesenchymal Transition
SEPTEMBER			
07/09/2018	Israel Sanchez Fernandez	Biochemistry and Molecular Biophysics, Columbia University, New York, USA	What do crickets and ribosomes have to do with cancer?
18/09/2018	Sofia Merajver	Breast and Ovarian Cancer Risk Evaluation Program, University of Michigan Comprehensive Cancer Center, US	Personalized Oncology for primary tumors and brain metastasis: from the clinic to the lab and back in 7 days
25/09/2018	Fernando Martín-Sánchez	Institute of Health Carlos III, Madrid, Spain	CHARACTERIZING THE HUMAN EXPOSOME: a key step for Precision Medicine
27/09/2018	Marcus Bosenberg	Yale Cancer Center, Yale University, New Haven, US	Defining Genetic Drivers of Melanoma and Mechanisms of Anti-Cancer Immune Responses
OCTOBER			
02/10/2018	Fernando Martín Belmonte	Department of Developmental Biology and Differentiation at the Centro de Biología Molecular Severo Ochoa (CBMSO), Madrid, Spain	Epithelial tube organization and patterning in development and disease
09/10/2018	Carlos Fernandez Tornero	The Biological Research Center (Centro de Investigaciones Biológicas - CIB), CSIC, Madrid	The role of RNA polymerase I in the protection against UV light-induced DNA damage
17/10/2018	Sonia Lain	Professor in Molecular Cancer Pharmacology at Karolinska Institutet, Stockholm, Sweden	From phenotypic screens to the structure of a small molecule bound to its target, and the challenges beyond

NOVEMBER			
06/11/2018	Oriol Gallego	Experimental and Health Sciences (DCEXS) Pompeu Fabra University (UPF), Barcelona, Spain	Cell engineering to implement live-cell structural biology: towards novel mechanisms that control exocytosis
20/11/2018	Steve C. Ley	Imperial College London, UK	Regulation of inflammation by the TPL-2 complex
27/11/2018	Timm Maier	University of Basel, Switzerland	The structural basis for regulation of acetyl-CoA carboxylase 1
29/11/2018	Victor Borrell	The Institute of Neurosciences, Alicante, Spain	Genetic evolution of cerebral cortex size determinants
29/11/2018	Aoife McGinley	School of Biochemistry and Immunology at Trinity College Dublin, Ireland	IL-17A is pathogenic in CNS autoimmunity by promoting IL-1 β production that drives encephalitogenic T cells
DECEMBER			
03/12/2018	Aline Bozec	Universitätsklinikum Erlangen, Germany	HIF1 α expression in Immune Cells regulates Autoimmune and Infection Diseases'
12/12/2018	Yacine Kharraz	Cytek Biosciences Inc. Fremont, CA. US	Full-spectrum flow cytometry: How new technologies may drive changes in multicolor flow cytometry
20/12/2018	Antonio Maraver	Oncogenic Pathways in Lung Cancer; Institut de Recherche en Cancérologie de Montpellier (IRCM), France	Role of the Notch pathway in lung adenocarcinoma: beyond the KrasG12V mouse model

WOMEN IN SCIENCE SEMINARS

30/01/2018	Laura Ferrero Carballo	Writer, freelance editor and literary advisor Instituto Vasco Etxepare. Barcelona	<i>Decisiones racionales e irracionales: una breve historia de cómo llegué a ser escritora</i>
20/02/2018	Elisa Martín Garijo	Chief Technology Officer for IBM, Madrid, Spain	Yes, we can
06/03/2018	Fátima Bosch	Autonomous University of Barcelona, Spain	Translational Gene Therapy Approaches to Treat Metabolic and Neurodegenerative Diseases
24/04/2018	Victoria Camps	Philosopher, Professor of Ethics Universidad Autónoma de Barcelona, Spain	<i>La filosofía como instrumento de emancipación</i>
05/06/2018	Laura González Molero	<i>Consejero Independiente de Acerinox y Ezentis</i>	<i>Atrévete a ser el rector de tu propia vida</i>
25/09/2018	Elvira Sastre	<i>Escritora y traductora literaria</i> ; Writer and literary translator	<i>Escritoras, más allá del género y la biografía</i>
23/10/2018	Eulalia Pérez Sedeño	Department Science, Technology and Society, IFS-CCHS CSIC, Madrid, Spain	<i>Conocimiento y estereotipos de género</i>
11/12/2018	Marta Macho	UPV (University of the Basque Country), Spain	<i>Entre el suelo pegajoso y el techo de cristal: la realidad de las mujeres en el ámbito laboral</i>

SCIENCE OUTREACH EVENTS

CNIO ARTE
7 FEBRUARY 2018

ORGANISERS

- CNIO
- Banco Santander Foundation

The first edition of CNIO Arte, “Binomio: a dialogue between art and science”, curated by Mireia A. Puigventós, was born from the dialogue between two brilliant women from totally different fields of action: the scientist Margarita Salas and the visual artist Eva Lootz. For the occasion, Eva Lootz made an audio-visual piece and a series of 59 drawings representing insights and reflections on Margarita Salas’ main lines of research. The artworks were exhibited at the CNIO from February to April.

OPEN DOORS DAY: 'CNIO FRIENDS'
20 JUNE 2018

The purpose of this event is to welcome all our donors in order to give them the opportunity to visit our facilities, as well as for us to showcase some of our Research Programmes. Maria

A. Blasco, Marcos Malumbres and Nabil Djouder gave a talk in the Auditorium.

WORLD CANCER RESEARCH DAY: 'PRESENT AND FUTURE OF CANCER RESEARCH'
EXCLUSIVE MEETING WITH NOBEL LAUREATE PROF. ELIZABETH BLACKBURN
24 SEPTEMBER 2018

ORGANISERS

- Constantes y Vitales
- Spanish National Cancer Research Centre (CNIO)
- Fundación AXA

Our guest of honour was Nobel Prize winner Prof. Elizabeth Blackburn, who gave an inspiring talk entitled: “Resolving Paradoxes in Telomere Biology and Cancers”. After her talk, there was a panel discussion in which the following speakers took part:



- **María José Alonso Fernández**, Professor of Pharmacy and Pharmaceutical Technology, University of Santiago de Compostela (USC)
- **Laura García Estévez**, MD Anderson Cancer Center, Head of the Breast Tumors Section
- **Luz Casal**, musician, singer, author songwriter and former cancer patient.

SPEAKERS

- **Prof. Elizabeth Blackburn**, Nobel Prize of Physiology or Medicine 2009
- **Maria A. Blasco**, Director of the Spanish National Cancer Research Centre (CNIO)

RESEARCHERS' NIGHT
28 SEPTEMBER 2018

This year, the CNIO participated in Researchers' Night; an activity aimed at bringing researchers closer to the general public and concerned families in order to give them the opportunity to learn more about what researchers do for society. Each year, more than 300 European cities participate in parallel in what is ultimately a great night for science. During the activities – promoted by the European Commission and coordinated by the Madrid Regional Government and the madri+d Foundation – a total of 220 people came to the Spanish National Cancer Research Centre (CNIO) to attend Researchers' Night (September 28, 2018) to learn about cancer research. The activities were entirely organised and held thanks to the voluntary efforts of 64 researchers. The guests were provided with the opportunity to meet researchers in an interactive and entertaining way, including welcome talks and short talks, hands-on experiments, view of a virtual tour through the



facilities via a video project recorded by scientists from CNIO “CNIO for Kids”, and a speed dating session with the researchers.

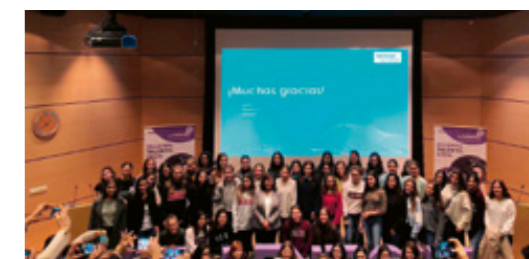
OPEN DOORS DAY: INVESTIGATING TO DISARM CANCER
5-18 NOVEMBER 2018

The CNIO also dedicates considerable efforts to bringing science and society closer together; one of these endeavours is its collaboration with the madri+d research network for the organisation of the Madrid Science Week (XVII *Semana de la Ciencia*, 5-18 November 2018). In 2018, 57 people participated in the guided visit to the Centre's facilities.



STEM TALENT GIRL - MADRID

The objective of the Stem Talent Girl project is to inspire, educate and empower the next generation of leading women in science and technology. The Stem Talent Girl project in Madrid, organised by ASTI Foundation and CNIO, offers eight “masterclasses” during the academic year; the classes were given by women of international prestige in the STEM areas and took place between November 2018 and June 2019.



GUIDED VISITS

Throughout the year, the CNIO provides tailor-made opportunities to visit its installations and to learn about the essentials of cancer research. During 2018, more than 830

people participated in such guided visits; most of them were ESO and *Bachillerato* student groups, but also professionals in the health sector.