



## INDEX OF TITLES AND ORGANIZERS (CHRONOLOGICAL ORDER) OF THE WORKSHOPS “CURRENT TRENDS IN BIOMEDICINE”

(BAEZA, SPAIN; 2004-2022; EDITIONS: 18 / WORKSHOPS: 70)

### 2004:

- “ORIGIN AND EVOLUTION OF HUMAN PATHOGENS”

20-23 OCTOBER 2004

Organizers: **Josep Casadesús** (Universidad de Sevilla. Sevilla, Spain)  
**Eduardo A. Groisman** (Washington University. St. Louis, USA)

- “COUPLING BETWEEN TRANSCRIPTION AND RNA PROCESSING”

8-10 NOVEMBER 2004

Organizers: **Miguel Beato** (Centre de Regulació Genòmica (CRG). Barcelona, Spain)  
**Frank Gannon** (European Molecular Biology Laboratory (EMBL). Heidelberg, Germany)  
**Juan Valcárcel** (Centre de Regulació Genòmica (CRG). Barcelona, Spain)

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Editions 2005-2008 were organized jointly with the “**Instituto de Salud Carlos III**”:



## 2005:

- **“IMAGING SYNAPSES: FROM INDIVIDUAL MOLECULES TO BRAIN CIRCUITS”**

2-5 OCTOBER 2005

Organizers: **Rafael Fernández-Chacón** (Universidad de Sevilla. Sevilla, Spain)  
**Arthur Konnerth** (Technical University Munich. Munich, Germany)  
**Thomas C. Südhof** (UT Southwestern Medical Center. Dallas, USA)

- **“CARDIOVASCULAR DEVELOPMENT: TOWARDS BIOMEDICAL APPLICABILITY”**

23-26 OCTOBER 2005

Organizers: **Marina Campione** (University of Padua. Padua, Italy)  
**Diego Franco** (Universidad de Jaén. Jaén, Spain)  
**Robert Kelly** (University of Marseille. Marseille, France)

- **“EPIGENETIC MECHANISMS IN DEVELOPMENT AND DISEASE”**

13-16 NOVEMBER 2005

Organizers: **Adrian Bird** (University of Edinburgh. Edinburgh, UK)  
**José C. Reyes** (Instituto de Bioquímica Vegetal y Fotosíntesis de Sevilla. Sevilla, Spain)  
**Moshe Yaniv** (Institute Pasteur. Paris, France)

- **“SYNAPTOPATHIES AND MENTAL DISORDERS”**

11-14 DICIEMBRE 2005

Organizers: **Guillermo Álvarez de Toledo** (Universidad de Sevilla. Sevilla, Spain)  
**Reinhard Jahn** (Max Planck Institute for Biophysical Chemistry. Göttingen, Germany)

## 2006:

- **“RNA IN DISEASE AND THERAPY”**

2-4 OCTOBER 2006

Organizers: **Alfredo Berzal-Herranz** (Instituto de Parasitología y Biomedicina "López-Neyra", CSIC. Granada, Spain)  
**Bryan R. Cullen** (Duke University. Durham, USA)  
**Mariano A. Garcia-Blanco** (Duke University. Durham, USA)

- **“PATHOCYCLES: ROLE OF CELL CYCLE REGULATORS IN THE INDUCTION OF VIRULENCE PROGRAMME IN PATHOGENIC FUNGI”**

23-25 OCTOBER 2006

Organizers: **Jaime Correa-Bordes** (Universidad de Extremadura, Badajoz, Spain)  
**Paul Nurse** (Rockefeller University. New York, USA)  
**José Pérez-Martín** (Centro Nacional de Biotecnología, CNB-CSIC. Madrid, Spain)

- **“MECHANISMS AND BIOLOGICAL CONSEQUENCES OF RECOMBINATIONAL DNA REPAIR-MEDIATED GENOME INSTABILITY”**

6-8 NOVEMBER 2006

Organizers: **Andrés Aguilera** (CABIMER, Universidad de Sevilla. Sevilla, Spain)  
**Roland Kanaar** (Erasmus Medical Center. Rotterdam, The Netherlands)

- **“MITOCHONDRIOPATHIES. DIVERSE ORIGIN OF MITOCHONDRIAL DISEASES”**

27-29 NOVEMBER 2006

Organizers: **Joaquín Arenas** (Centro de Investigación Hospital Universitario 12 de Octubre. Madrid, Spain)  
**Salvatore DiMauro** (Columbia University College of Physicians and Surgeons. New York, USA)  
**Plácido Navas** (Centro Andaluz de Biología del Desarrollo, Universidad Pablo de Olavide. Sevilla, Spain)

## 2007:

- **“MECHANISTIC AND INTEGRATIVE ASPECTS OF mRNA SYNTHESIS”**

1-3 OCTOBER 2007

Organizers: **Danny Reinberg** (Howard Hughes Medical Institute, Robert Wood Johnson Medical School. Piscataway, USA)  
**Ramin Shiekhatar** (Centre de Regulació Genòmica (CRG). Barcelona, Spain)  
**Marc Timmers** (University Medical Centre Utrecht. Utrecht, The Netherlands)

- **“DECIPHERING THE REGULATORY GENOME: DEVELOPMENT, EVOLUTION AND DISEASE”**

8-10 OCTOBER 2007

Organizers: **Thomas S. Becker** (Sars Centre for Marine Molecular Biology, University of Bergen. Bergen, Norway)  
**Fernando Casares** (Centro Andaluz de Biología del Desarrollo, Universidad Pablo de Olavide-CSIC. Sevilla Spain)  
**José Luis Gómez-Skarmeta** (Centro Andaluz de Biología del Desarrollo, Universidad Pablo de Olavide-CSIC. Sevilla, Spain)

- **“FRAGILE X-RELATED SYNDROMES: FROM MOLECULAR TO CLINICAL APPROACH”**

16-18 OCTOBER 2007

Organizers: **Randi J. Hagerman** (MIND Institute, UC Davis Health System. Davis, USA)  
**Ben A. Oostra** (Erasmus Medical Center. Rotterdam, The Netherlands)  
**Elizabeth Pintado** (Hospital Universitario Virgen Macarena, Universidad de Sevilla. Sevilla, Spain)

- **“STRESS, STRESS RESPONSES AND MECHANISMS OF EVOLVABILITY”**

22-24 OCTOBER 2007

Organizers: **Jesús Blázquez** (Centro Nacional de Biotecnología , CNB-CSIC. Madrid, Spain)  
**Ivan Matic** (Necker Institute, University René Descartes-Paris 5. Paris, France)  
**Susan M. Rosenberg** (Baylor College of Medicine. Houston, USA)

## 2008:

- **“UNDERSTANDING PAIN: FROM TRANSDUCTION TO SENSATION”**  
6-8 OCTOBER 2008

Organizers: **David Julius** (University of California, San Francisco. San Francisco, USA)  
**Félix Viana** (Instituto de Neurociencias de Alicante, Universidad Miguel Hernández-CSIC. Alicante, Spain)

- **“BACTERIAL TYPE IV SECRETION SYSTEMS IN HUMAN DISEASE”**  
14-16 OCTOBER 2008

Organizers: **Christoph Dehio** (Biozentrum, University of Basel. Basel, Switzerland)  
**Matxalen Llosa** (Universidad de Cantabria. Santander, Spain)  
**Craig R. Roy** (Yale University. New Haven, USA)

- **“GERM CELL-SOMA INTERACTIONS IN GONADAL DEVELOPMENT AND GERM CELL TUMOURS”**  
20-22 OCTOBER 2008

Organizers: **Mónica Bullejos** (Universidad de Jaén. Jaén, Spain)  
**Peter Koopman** (Institute for Molecular Bioscience, The University of Queensland. Brisbane, Australia)  
**Niels E. Skakkebæk** (Rigshospitalet, Copenhagen University Hospital. Copenhagen, Denmark)

- **“ROLE OF RNA STRUCTURES IN THE TRANSLATION OF VIRAL AND CELLULAR RNAs”**  
27-29 OCTOBER 2008

Organizers: **Graham J. Belsham** (National Veterinary Institute, Technical University of Denmark. Lindholm, Denmark)  
**Jordi Gómez** (Instituto de Parasitología y Biomedicina “López-Neyra”, CSIC. Granada, Spain)  
**Encarna Martínez-Salas** (Centro de Biología Molecular “Severo Ochoa”, CSIC-UAM. Madrid, Spain)

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## 2009:

- **“RNA-PROTEIN INTERACTIONS IN DEVELOPMENT AND CANCER”**  
1-3 OCTOBER 2009

Organizers: **Fátima Gebauer** (Centre de Regulació Genòmica. Barcelona, Spain)  
**Luiz O. Penalva** (University of Texas Health Science Center at San Antonio. San Antonio, USA)  
**Jernej Ule** (MRC Laboratory of Molecular Biology. Cambridge, UK)

- **“MECHANISMS OF ORGAN REGENERATION IN MODEL SYSTEMS”**  
5-7 OCTOBER 2009

Organizers: **Shawn M. Burgess** (National Human Genome Research Institute, NIH. Bethesda, USA)  
**Hernán López-Schier** (Centre de Regulació Genòmica. Barcelona, Spain)  
**Kenneth D. Poss** (Duke University Medical Center. Durham, USA)

- **“ACTIVE ZONES AS ORGANIZERS OF NEURONAL COMMUNICATION”**  
22-24 OCTOBER 2009

Organizers: **William J. Betz** (University of Colorado. Aurora, USA)  
**Lucía Tabares** (Universidad de Sevilla. Sevilla, Spain)

- **“DEVELOPMENTAL ORIGINS OF NEUROLOGICAL DISORDERS: FROM NEUROGENESIS TO CIRCUIT FORMATION”**  
26-28 OCTOBER 2009

Organizers: **Douglas J. Epstein** (University of Pennsylvania School of Medicine. Philadelphia, USA)  
**Michael P. Matise** (UMDNJ/Robert Wood Johnson Medical School. Piscataway, USA)  
**Ricardo Pardal** (Instituto de Biomedicina de Sevilla (IBiS). Sevilla, Spain)

- **“CHROMATIN DOMAINS AND INSULATORS”**

9-11 NOVEMBER 2009

Organizers: **Víctor G. Corces** (Emory University. Atlanta, USA)  
**Lluís Montoliu** (Centro Nacional de Biotecnología, CSIC. Madrid, Spain)  
**Félix Recillas-Targa** (Universidad Nacional Autónoma de México. México DF, Mexico)

- **“BACTERIAL REGULATORY NETWORKS”**

12-14 NOVEMBER 2009

Organizers: **Bonnie L. Bassler** (HHMI, Princeton University. Princeton, USA)  
**Eduardo A. Groisman** (HHMI, Washington University. St. Louis, USA)  
**Igor Zwir** (Universidad de Granada. Granada, Spain)

**2010:**

- **“THE DYNAMICS OF PEPTIDOGLYCAN STRUCTURE AND FUNCTION: NEW INSIGHTS INTO THE 'GREAT WALL'”**

4-6 OCTOBER 2010

Organizers: **Miguel A. de Pedro** (Centro de Biología Molecular "Severo Ochoa", CSIC-UAM. Madrid, Spain)  
**Joseph P. Dillard** (University of Wisconsin-Madison. Madison, USA)  
**Margaret J. McFall-Ngai** (University of Wisconsin-Madison. Madison, USA)

- **“CELL REPLACEMENT FOR REGENERATION IN THE NERVOUS SYSTEM: LESSONS FROM ADULT NEUROGENESIS”**

13-15 OCTOBER 2010

Organizers: **Benedikt Berninger** (Institute of Physiology, Ludwig-Maximilians University Munich. Munich, Germany)  
**José Manuel García-Verdugo** (Centro de Investigación Príncipe Felipe. Valencia, Spain)  
**Alejandro F. Schinder** (Leloir Institute-CONICET. Buenos Aires, Argentina)

- **“ION CHANNELS AND DISEASES OF THE NERVOUS SYSTEM”**  
2-4 NOVEMBER 2010

Organizers: **Ricardo Dolmetsch** (Stanford University. Stanford, USA)  
**Isabel Pérez-Otaño** (Centro de Investigación Médica Aplicada (CIMA). Pamplona, Spain)  
**Álvaro Villarroel** (CSIC-UPV/EHU, Universidad del País Vasco. Leioa (Vizcaya), Spain)

- **“PSEUDOMONAS AERUGINOSA: OPPORTUNISTIC PATHOGEN AND HUMAN INFECTIONS”**  
8-10 NOVEMBER 2010

Organizers: **Sophie de Bentzmann** (CNRS, Institut de Microbiologie de la Méditerranée. Marseille, France)  
**Søren Molin** (Technical University of Denmark. Lyngby, Denmark)  
**Juan Luis Ramos** (Estación Experimental del Zaidín, CSIC. Granada, Spain)

- **“THE CENTROSOME: STRUCTURE, FUNCTION AND DYNAMICS”**  
15-17 NOVEMBER 2010

Organizers: **José María Carazo** (Centro Nacional de Biotecnología – CSIC. Madrid, Spain)  
**Rosa M. Ríos** (Centro Andaluz de Biología Molecular y Medicina Regenerativa (CABIMER). Sevilla, Spain)  
**Luis Serrano** (Centre de Regulació Genòmica (CRG). Barcelona, Spain)

## **2011:**

- **“FRONTIERS IN EPIGENOMICS”**  
17-19 OCTOBER 2011

Organizers: **Jorge Ferrer** (Institut d'Investigacions Biomèdiques August Pi i Sunyer, Hospital Clínic de Barcelona. Barcelona, Spain)  
**Klaus H. Kaestner** (University of Pennsylvania School of Medicine. Philadelphia, USA)



- **“THE BIOLOGY OF INTRACELLULAR BACTERIAL PATHOGENS”**  
24-26 OCTOBER 2011

Organizers: **Jorge E. Galán** (Yale University School of Medicine. New Haven, USA)  
**Francisco García-del Portillo** (Centro Nacional de Biotecnología, CNB-CSIC. Madrid, Spain)

- **“MOLECULAR AND CELLULAR BASES OF REDOX SIGNALING AND OXIDATIVE STRESS: IMPLICATIONS IN BIOMEDICINE”**  
2-4 NOVEMBER 2011

Organizers: **Santiago Lamas** (Centro de Biología Molecular “Severo Ochoa”, CSIC-Universidad Autónoma de Madrid. Madrid, Spain)  
**Lawrence J. Marnett** (Vanderbilt Institute of Chemical Biology, Vanderbilt University School of Medicine. Nashville, USA)  
**Rafael Radi** (Center for Free Radical and Biomedical Research, Universidad de la República. Montevideo, Uruguay)

- **“LIVER AND PANCREAS: FROM DEVELOPMENT TO DISEASE”**  
14-16 NOVEMBER 2011

Organizers: **David A. Cano** (Instituto de Biomedicina de Sevilla (IBiS) / Hospital Universitario Virgen del Rocío. Sevilla, Spain)  
**Matthias Hebrok** (Diabetes Center, University of California San Francisco. San Francisco, USA)  
**Didier Stainier** (Department of Biochemistry and Biophysics, Liver Center and Diabetes Center, University of California San Francisco. San Francisco, USA)

- **“THE ENEMY WITHIN: ENDOGENOUS DNA DAMAGE AS A SOURCE OF CANCER AND AGEING”**  
17-19 NOVEMBER 2011

Organizers: **Oscar Fernández-Capetillo** (Spanish National Cancer Research Centre (CNIO). Madrid, Spain)  
**Jiri Lukas** (Institute of Cancer Biology and Centre for Genotoxic Stress Research, Danish Cancer Society. Copenhagen, Denmark)  
**André Nussenzweig** (National Cancer Institute, NIH. Bethesda, USA)

## 2012:

- **“THE MICROBIOME: ROLE IN HEALTH AND DISEASE”**

8-10 OCTOBER 2012

Organizers: **Francisco Guarner** (University Hospital Vall d’Hebron. Barcelona, Spain)  
**Lora V. Hooper** (The University of Texas Southwestern Medical Center at Dallas. Dallas, USA)  
**Gabriel Núñez** (University of Michigan Medical School. Ann Arbor, USA)

- **“SYSTEMS BIOLOGY OF T CELLS: CLINICAL, EXPERIMENTAL AND THEORETICAL APPROACHES”**

22-24 OCTOBER 2012

Organizers: **Balbino Alarcón** (Centro de Biología Molecular “Severo Ochoa”, CSIC-UAM. Madrid, Spain)  
**José Faro** (Universidade de Vigo. Vigo, Spain)  
**Carmen Molina-París** (School of Mathematics, University of Leeds. Leeds, UK)

- **“NEUROEPIGENETICS: A NEW PERSPECTIVE ON MEMORY MECHANISMS AND BRAIN DISORDERS”**

29-31 OCTOBER 2012

Organizers: **Ángel Barco** (Instituto de Neurociencias de Alicante, Universidad Miguel Hernández/CSIC. Sant Joan d'Alacant (Alicante), Spain)  
**Richard G. M. Morris** (Centre for Cognitive and Neural Systems, University of Edinburgh. Edinburgh, UK)  
**Li-Huei Tsai** (Picower Institute for Learning and Memory, MIT, HHMI. Cambridge, USA)

- **“MOLECULAR MECHANISMS OF INNER EAR DEVELOPMENT”**

5-7 NOVEMBER 2012

Organizers: **Doris K. Wu** (National Institute on Deafness and Other Communication Disorders (NIDCD), NIH. Rockville, USA)  
**Matthew W. Kelley** (National Institute on Deafness and Other Communication Disorders (NIDCD), NIH. Bethesda, USA)  
**Fernando Giráldez** (Universitat Pompeu Fabra, Parc de Recerca Biomèdica de Barcelona. Barcelona, Spain)

## 2013:

- **“MEMBRANE TRAFFIC AT THE SYNAPSE. THE CELL BIOLOGY OF SYNAPTIC PLASTICITY”**

7-9 OCTOBER 2013

Organizers: **José A. Esteban** (Centro de Biología Molecular "Severo Ochoa", CSIC-UAM. Madrid, Spain)  
**Juan Lerma** (Instituto de Neurociencias, CSIC-UMH. Sant Joan d'Alacant (Alicante), Spain)  
**Thomas L. Schwarz** (F.M. Kirby Neurobiology Center, Children's Hospital Boston, and Harvard Medical School. Boston, USA)

- **“THE HEMATO-VASCULAR SYSTEM: DEVELOPMENT AND DISEASE”**

21-23 OCTOBER 2013

Organizers: **Simón Méndez-Ferrer** (Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC). Madrid, Spain)  
**María-José Sánchez** (Centro Andaluz de Biología del Desarrollo (CABD), CSIC, Universidad Pablo de Olavide. Sevilla, Spain)  
**Elaine Dzierzak** (Erasmus Medical Center, Erasmus MC Stem Cell Institute. Rotterdam, The Netherlands)

- **“GENE EXPRESSION AS A CIRCULAR PROCESS: CROSS-TALK BETWEEN TRANSCRIPTION AND mRNA DEGRADATION IN EUKARYOTES”**

4-6 NOVEMBER 2013

Organizers: **Sebastián Chávez** (Departamento de Genética, Universidad de Sevilla. Sevilla, Spain)  
**Mordechai Choder** (Faculty of Medicine, Technion-Israel Institute of Technology. Haifa, Israel)  
**José E. Pérez-Ortín** (Facultad de Biológicas, Universitat de València. Burjassot (Valencia), Spain)

- **“THE REGULATORY ROLES OF ncRNA”**

18-20 NOVEMBER 2013

Organizers: **Maite Huarte** (Center for Applied Medical Research (CIMA), University of Navarra. Pamplona, Spain)  
**John L. Rinn** (Harvard University / The Broad Institute of Massachusetts Institute of Technology and Harvard. Cambridge, USA)

## **2014:**

- **“CARDIOVASCULAR EXTRACELLULAR MATRIX IN HEALTH AND DISEASE”**

6-8 OCTOBER 2014

Organizers: **Harry C. Dietz** (Institute of Genetic Medicine and HHMI, Johns Hopkins University School of Medicine. Baltimore, USA)  
**Nadia Mercader** (Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC). Madrid, Spain)  
**Paul R. Riley** (Department of Physiology, Anatomy and Genetics, University of Oxford. Oxford, UK)

- **“PROTEASES AT WORK: CUES FOR UNDERSTANDING NEURAL DEVELOPMENT AND DEGENERATION”**

20-22 OCTOBER 2014

Organizers: **Paola Bovolenta** (Centro de Biología Molecular “Severo Ochoa”, CSIC-UAM. Madrid, Spain)  
**Paul Saftig** (Institut für Biochemie, Christian-Albrechts-Universität zu Kiel. Kiel, Germany)

- **“RNA MEETS DNA: ON THE ROAD TO GENOME INSTABILITY”**

3-5 NOVEMBER 2014

Organizers: **Andrés Aguilera** (Centro Andaluz de Biología Molecular y Medicina Regenerativa (CABIMER), Universidad de Sevilla-CSIC. Sevilla, Spain)  
**Karlene A. Cimprich** (Stanford University School of Medicine. Stanford, USA)  
**Marco Foiani** (IFOM, The FIRC Institute of Molecular Oncology Foundation / Università degli Studi di Milano. Milan, Italy)

- **“COMPARATIVE AND FUNCTIONAL GENOMICS OF FUNGAL PATHOGENS”**

17-19 NOVEMBER 2014

Organizers: **Antonio Di Pietro** (Departamento de Genética, Universidad de Córdoba. Córdoba, Spain)  
**Toni Gabaldón** (Centre for Genomic Regulation (CRG) and Universitat Pompeu Fabra (UPF). Barcelona, Spain)  
**Neil A. R. Gow** (Institute of Medical Sciences, University of Aberdeen. Aberdeen, UK)

## 2015:

- **“DEVELOPMENT AND ADULT NEUROGENESIS IN THE CENTRAL NERVOUS SYSTEM”**

5-7 OCTOBER 2015

Organizers: **Salvador Martínez** (Instituto de Neurociencias de Alicante, UMH-CSIC. Sant Joan d'Alacant (Alicante) / IMIB-Arrixaca. Murcia; Spain)  
**Harukazu Nakamura** (Frontier Research Institute for Interdisciplinary Science (FRIS), Tohoku University. Sendai, Japan)

- **"EMBO WORKSHOP ON “CELL DIVISION: MOLECULAR MACHINERIES AND CANCER TARGETED THERAPIES” WITH CO-SPONSORSHIP FROM UNIA"**

19-21 OCTOBER 2015

Organizers: **Amancio Carnero** (Instituto de Biomedicina de Sevilla (IBiS), CSIC/Universidad de Sevilla. Sevilla, Spain)  
**Marcos Malumbres** (Spanish National Cancer Research Centre (CNIO). Madrid, Spain)  
**Guillermo Montoya** (Novo Nordisk Foundation Center for Protein Research, University of Copenhagen. Copenhagen, Denmark)

- **“ADAPTATION AND COMMUNICATION OF BACTERIAL PATHOGENS”**

26-28 OCTOBER 2015

Organizers: **Laurent Aysel** (Institut de Microbiologie de la Méditerranée, CNRS – Aix-Marseille Université. Marseille, France)  
**Carmen R. Beuzón** (Instituto de Hortofruticultura Subtropical y Mediterránea “La Mayora”, Universidad de Málaga-Consejo Superior de Investigaciones Científicas (IHSM-UMA-CSIC). Málaga, Spain)  
**Eric Cascales** (Institut de Microbiologie de la Méditerranée, CNRS – Aix-Marseille Université. Marseille, France)

- **“THE NUCLEAR LAMINA IN HEALTH AND DISEASE”**  
16-18 NOVEMBER 2015

Organizers: **Vicente Andrés** (Centro Nacional de Investigaciones Cardiovasculares Carlos III (CNIC). Madrid, Spain)  
**Peter Askjaer** (Andalusian Center for Developmental Biology (CABD), CSIC/Junta de Andalucía/Universidad Pablo de Olavide. Sevilla, Spain)  
**Tom Misteli** (National Cancer Institute, National Institutes of Health (NIH). Bethesda, USA)

## **2016:**

- **“CHAPERONES IN THE MAINTENANCE OF CELLULAR PROTEOSTASIS”**  
17-19 OCTOBER 2016

Organizers: **José María Valpuesta** (Centro Nacional de Biotecnología (CNB-CSIC). Madrid, Spain)  
**Ana María Cuervo** (Institute for Aging Studies, Albert Einstein College of Medicine. New York, USA)  
**Cintia Roodveldt** (CABIMER-Andalusian Center for Molecular Biology and Regenerative Medicine. Sevilla, Spain)

- **“STEPS TOWARDS PERSONALIZED THERAPY: FUNCTIONAL GENOMICS, GENETIC SCREENINGS AND ANIMAL MODELS”**  
7-9 NOVEMBER 2016

Organizers: **Fernando Casares** (CABD (Andalusian Centre for Developmental Biology), CSIC-Universidad Pablo de Olavide-Junta de Andalucía. Sevilla, Spain)  
**Marcelo A. Nóbrega** (Department of Human Genetics, University of Chicago. Chicago, USA)  
**Luiz O. F. Penalva** (Children's Cancer Research Institute, University of Texas Health Science Center at San Antonio. San Antonio, USA)

## 2017:

- **“SYNAPSE FORMATION, SPECIFICATION AND ELIMINATION: FROM MOLECULES TO CIRCUITS”**

25-27 SEPTIEMBRE 2017

Organizers: **Rafael Fernández-Chacón** (Instituto de Biomedicina de Sevilla (IBiS) HUVR/CSIC/Universidad de Sevilla and CIBERNED. Sevilla, Spain)  
**Thomas C. Südhof** (Howard Hughes Medical Institute, Stanford University School of Medicine. Stanford, USA)

- **“UNDERSTANDING THE BENEFICIAL ROLE OF THE MICROBIOTA IN ANIMALS AND PLANTS”**

9-11 OCTOBER 2017

Organizers: **Yasmine Belkaid** (National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH). Bethesda, USA)  
**Gabriel Núñez** (Comprehensive Cancer Center, University of Michigan Medical School. Ann Arbor, USA)  
**Paul Schulze-Lefert** (Max Planck Institute for Plant Breeding Research. Cologne, Germany)

- **“NONCODING RNA-MEDIATED METABOLIC REGULATION IN HEALTH AND DISEASE”**

6-8 NOVEMBER 2017

Organizers: **Carlos Fernández-Hernando** (Yale University School of Medicine. New Haven, USA)  
**Santiago Lamas** (Centro de Biología Molecular "Severo Ochoa", CSIC-Universidad Autónoma de Madrid. Madrid, Spain)

- **“CHROMOSOMAL INSTABILITY: FROM MOLECULAR MECHANISMS TO DISEASE”**

13-15 NOVEMBER 2017

Organizers: **Guillermo de Cárcer** (Spanish National Cancer Research Centre (CNIO). Madrid, Spain)  
**Pablo Huertas** (Centro Andaluz de Biología Molecular y Medicina Regenerativa (CABIMER); Universidad de Sevilla. Sevilla, Spain)  
**Andrés J. López-Contreras** (Center for Chromosome Stability (CCS) and Center for Healthy Aging, Panum Institute, University of Copenhagen. Copenhagen, Denmark)

## **2018:**

- **“CHROMOSOME ARCHITECTURE AND TOPOLOGICAL STRESS”**  
8-10 OCTOBER 2018

Organizers: **Felipe Cortés-Ledesma** (Centro Andaluz de Biología Molecular y Medicina Regenerativa (CABIMER), CSIC. Sevilla, Spain)  
**Erez Lieberman Aiden** (Baylor College of Medicine and Rice University. Houston, USA)  
**André Nussenzweig** (National Cancer Institute, NIH. Bethesda, USA)

- **“THE CELL BIOLOGY BEHIND THE ONCOGENIC PIP3 LIPIDS”**  
15-17 OCTOBER 2018

Organizers: **Ana C. Carrera** (Centro Nacional de Biotecnología, CNB-CSIC. Madrid, Spain)  
**Richard A. Anderson** (Wisconsin-Madison School of Medicine, University of Wisconsin. Madison, USA)  
**Bart Vanhaesebroeck** (UCL Cancer Institute, University College London. London, UK)

- **“GENOMIC PARASITES AND NONCODING RNA IN EVOLUTION AND DISEASE”**  
29-31 OCTOBER 2018

Organizers: **Jordi Gómez** (Instituto de Parasitología y Biomedicina "López-Neyra", CSIC. Granada, Spain)  
**Andreas Werner** (Institute for Cell and Molecular Biosciences, Newcastle University. Newcastle upon Tyne, UK)

- **“CONTRIBUTION OF BACTERIAL INJECTION SYSTEMS TO HUMAN DISEASE”**  
5-7 NOVEMBER 2018

Organizers: **Sophie Bleves** (Institut de Microbiologie de la Méditerranée, CNRS, Aix-Marseille University. Marseille, France)  
**Jorge E. Galán** (Yale University School of Medicine. New Haven, USA)  
**Matxalen Llosa** (Universidad de Cantabria, Instituto de Biomedicina y Biotecnología de Cantabria (IBBTEC, UC-CSIC-SODERCAN). Santander, Spain)



## 2019:

- **“FROM CANCER TO DEVELOPMENTAL DEFECTS: THE CONTROL OF DNA SEGREGATION AND HUMAN DISEASE”**

14-16 OCTOBER 2019

Organizers: **Adele L. Marston** (Wellcome Centre Cell Biology, Institute of Cell Biology, School of Biological Sciences, University of Edinburgh. Edinburgh, UK)  
**Fernando Monje-Casas** (Centro Andaluz de Biología Molecular y Medicina Regenerativa (CABIMER), Consejo Superior de Investigaciones Científicas (CSIC). Sevilla, Spain)  
**Joan Roig** (Institut de Biologia Molecular de Barcelona (IBMB-CSIC). Barcelona, Spain)

- **“FROM GENES TO ORGANISMS: TRANSCRIPTIONAL CONTROL IN DEVELOPMENT AND DISEASE”**

28-30 OCTOBER 2019

Organizers: **Eileen E. M. Furlong** (Genome Biology Unit, European Molecular Biology Laboratory (EMBL). Heidelberg, Germany)  
**Darío G. Lupiáñez** (Epigenetics and Sex Development Group, Berlin Institute for Medical Systems Biology, Max-Delbrück Center for Molecular Medicine. Berlin-Buch, Germany)  
**Axel Visel** (Environmental Genomics and Systems Biology Division, Lawrence Berkeley National Laboratory. Berkeley, USA)

- **“ACTIN-BASED MECHANOSENSATION AND FORCE GENERATION IN HEALTH AND DISEASE”**

11-13 NOVEMBER 2019

Organizers: **Alexis Gautreau** (Ecole Polytechnique / CNRS UMR7654, Institut Polytechnique de Paris. Paris, France)  
**Pekka Lappalainen** (Institute of Biotechnology, University of Helsinki. Helsinki, Finland)  
**Miguel Vicente-Manzanares** (Centro de Investigación del Cáncer-Instituto de Biología Molecular y Celular del Cáncer, CIC-IBMCC (CSIC-Universidad de Salamanca). Salamanca, Spain)

- **“MOLECULAR CAUSES OF PRIMARY MICROCEPHALY AND RELATED DISEASES”**

18-20 NOVEMBER 2019

Organizers: **Fanni Gergely** (Cancer Research UK Cambridge Institute, Li Ka Shing Centre, University of Cambridge. Cambridge, UK)  
**Ciaran G. Morrison** (Centre for Chromosome Biology, School of Natural Sciences, National University of Ireland Galway. Galway, Ireland)  
**Travis H. Stracker** (Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology. Barcelona, Spain)

**2021:**

- **“THE SYNAPTIC DIMENSION OF BRAIN DISORDERS”**

4-6 OCTOBER 2021

Organizers: **Àlex Bayés** (Biomedical Research Institute Sant Pau. Barcelona / Universitat Autònoma de Barcelona. Bellaterra (Cerdanyola del Vallès); Spain)  
**Josep Dalmau** (August Pi i Sunyer Biomedical Research Institute, University of Barcelona and ICREA. Barcelona, Spain / Department of Neurology, University of Pennsylvania. Philadelphia, USA)  
**Matthijs Verhage** (Department of Functional Genomics, CNCR, VU University and UMC Amsterdam. Amsterdam, The Netherlands)

- **“CRISPR-Cas: FROM MICROBIOLOGY TO BIOMEDICINE”**

2-4 NOVEMBER 2021

Organizers: **Miguel A. Moreno-Mateos** (Centro Andaluz de Biología del Desarrollo (CABD-UPO-CSIC). Sevilla, Spain)  
**Erik Sontheimer (virtual)** (RNA Therapeutics Institute, University of Massachusetts Medical School. Worcester, USA)

## 2022:

### - “UNDERSTANDING TCR STRUCTURE AND SIGNALLING FOR EFFECTIVE IMMUNOTHERAPY”

17-19 OCTOBER 2022

Organizers: **Oreste Acuto** (Sir William Dunn School of Pathology, University of Oxford. Oxford, UK)  
**Balbino Alarcón** (Centro de Biología Molecular Severo Ochoa, Consejo Superior de Investigaciones Científicas. Madrid, Spain)  
**Wolfgang W. Schamel** (Faculty of Biology, Signalling Research Centres BIOS and CIBSS / Center of Chronic Immunodeficiency CCI, University Clinics and Medical Faculty; University of Freiburg. Freiburg, Germany)

### - “FAT SENSING AND THE BRAIN CONTROL OF PUBERTY”

24-26 OCTOBER 2022

Organizers: **María Domínguez** (Instituto de Neurociencias, Consejo Superior de Investigaciones Científicas-Universidad Miguel Hernández (CSIC-UMH). Sant Joan d'Alacant (Alicante), Spain)  
**Javier Morante** (Instituto de Neurociencias, Consejo Superior de Investigaciones Científicas-Universidad Miguel Hernández (CSIC-UMH). Sant Joan d'Alacant (Alicante), Spain)  
**Manuel Tena-Sempere** (Maimonides Institute of Biomedical Research of Córdoba (IMIBIC) / Department of Cell Biology, Physiology and Immunology, University of Córdoba / University Hospital Reina Sofía. Córdoba, Spain)

### - “CELLULAR PLASTICITY IN HOMEOSTASIS AND DISEASE”

7-9 NOVEMBER 2022

Organizers: **M. Ángela Nieto** (Instituto de Neurociencias (CSIC-UMH). Sant Joan d'Alacant (Alicante), Spain)  
**Francisco X. Real** (Epithelial Carcinogenesis Group, Spanish National Cancer Research Centre-CNIO; CIBERONC. Madrid / Departament de Ciències Experimentals i de la Salut, Universitat Pompeu Fabra. Barcelona; Spain)  
**Manuel Serrano** (Catalan Institution for Research and Advanced Studies (ICREA) / Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology (BIST). Barcelona, Spain)

- **“FRONTIERS OF ARTIFICIAL INTELLIGENCE IN HEALTH CARE”**  
14-16 NOVEMBER 2022

Organizers:

**Joaquín Dopazo** (Computational Medicine Platform, Fundación Progreso y Salud (FPS), CDCA / Computational Systems Medicine, Institute of Biomedicine of Seville (IBIS) / Bioinformatics in Rare Diseases (BiER), Centro de Investigación Biomédica en Red de Enfermedades Raras (CIBERER), FPS / FPS/ELIXIR-es; Hospital Virgen del Rocío. Sevilla, Spain)

**María Rodríguez Martínez (virtual)** (Computational Systems Biology Group, IBM Research Europe – Zurich. Rüschlikon, Switzerland)