



Scientific Activities, Facts and Figures

A rich program of seminars, conferences, workshops and courses (over 150 in the 2021-2022 period) provides optimal opportunities for our researchers to keep up with the latest advances in biotechnology. Each academic year, the scientific activities committee or the PhD researchers committee, both with the support of the Science Communication and Outreach Officer (Susana de Lucas), organise the main seminar series and junior seminar series (respectively). These series attract around 25 excellent speakers from around the world; this is complemented by CNB department seminars, *ad-hoc* seminars by visiting researchers and a new scientific techniques seminar series celebrated on 2022.

Highlights from the past two years include the celebration of the CNB XXX Scientific Anniversary workshop in 2022 and the EMBO International Conference on Plant Proteostasis organised by Vicente Rubio. Through online platforms, many of the scientific seminars have also been available online, thus reaching wider audiences.

To acknowledge the financial support received from many companies, institutions or individuals during the pandemic, in September 2022 we invited their representatives to visit our institute and our research. The event called “CNB Actions against COVID-19” was inaugurated by Eloísa del Pino, president of CSIC, accompanied by the deputy presidents José María Martell (VICYT), Ana Castro (VATC) and the director of the CSIC cabinet, Isabel Martínez.

Over this period of time, CNB researchers have contributed to the publication of more than 500 papers in ISI-listed journals with an average impact factor of 8.8. Significantly, 50% of these publications were among the top 10% of the most cited journals according to the Scimago database. The international nature of the CNB is shown in the high number of papers published in collaboration with scientific groups from 120 countries.

The expertise of our researchers has been recognised with more than 80 Scientific Awards in the past 5 years, and they are present in the scientific boards of more than 20 international and national Scientific Societies that promote conferences, international collaborations and the discussion of new research results.

SCIENTIFIC ACTIVITIES COMMITTEE

Juan Carlos Alonso
Saúl Ares
Ana González
Antonio Leyva
Fernando Moreno- Herrero
Hugh Reyburn
José María Valpuesta
Esteban Veiga
Karel van Wely



CNB Seminars

During 2021 and 2022, the CNB hosted around 150 seminars. From the traditional departments' seminars, we have also started hosting a new monthly cycle to raise awareness of the capabilities of the center's scientific facilities. In addition we have continued inviting (both in person or in virtual events, according to the pandemic restrictions) 48 internationally recognised speakers for our CNB Cycle and CNB Junior Seminar series.

SEMINARS 2021

CYCLE

19 FEBRUARY

Orphan CpG islands dictate enhancer-gene compatibility.

Álvaro Rada-Iglesias. IBBTEC-UNICAN, Santander, Spain.

26 FEBRUARY

New perspectives on eukaryogenesis.

Purificación López-García. CNRS – Université Paris-Sud – AgroParisTech, France.

5 MARCH

Photoperiod and temperature mediated control of phenology in trees.

Rishi Bhalerao. Umea Plant Science Centre, Sweden.

23 APRIL

Origin and evolution of auxin response.

Dolf Weijers. Wageningen University & Research, Wageningen, the Netherlands.

14 MAY

Structure and assembly of respiratory syncytial virus - a highly ordered filamentous virion.

David Bhella. MRC-University of Glasgow Centre for Virus Research, UK.

16 APRIL

A genome on the move: gene regulation and adaptation in malaria parasites.

Elena Gómez Díaz. Instituto de Parasitología y Biomedicina López Neira, IPBLN-CSIC, Granada, Spain

28 MAY

Directed evolution of microbial communities.

Álvaro Sánchez. Microbial Science Institute, Advances Biosciences Center, Yale University, USA

4 JUNE

Modulating expression of type IV glandular trichomes: a sustainable insect-resistance approach to control whitefly-transmitted viruses in tomato.

Enrique Moriones. Instituto de Hortofruticultura Subtropical y Mediterránea "La Mayora", CSIC-Universidad de Málaga, Málaga, Spain.

17 SEPTEMBER

Revolution in High Performance Computing to accelerate scientific progress.

Mateo Valero Cortés. Barcelona Supercomputing Centre, Barcelona, Spain.

29 OCTOBER

Computational approaches to quantify tissue organization.

Luis María Escudero Cuadrado. Instituto de Biomedicina de Sevilla (IBiS) & Hospital Universitario Virgen del Rocío/CSIC/Universidad de Sevilla.

12 NOVEMBER

Function of the microbiota in the control of tissue immunity and pathogen infection.

Yasmine Belkaid. NIH Center for Human Immunology, Bethesda, USA.

24 NOVEMBER

Organizing and governing principles of the bacterial cell.

Christine Jacobs-Wagner. Howard Hughes Medical Institute, Stanford University, USA.

3 DECEMBER

Imaging lipid-enveloped virus assembly and entry.

Peter Rosenthal. Crick Institute, London, UK.

JUNIOR

15 JANUARY

Ubiquitin signalling in immunity and vesicle trafficking.

Marco Trujillo. Institut for Biology II, Freiburg University, Germany.

29 JANUARY

Quantitative microbiome profiling in health and disease.

Jeroen Raes. Rega Institute VIB Center for the Biology of the Disease, Leuven, Belgium.

26 MARCH

The 'Hunger Games' - Structural Studies of the MC4 Receptor Reveal Mechanism for Satiety.

Moran Shalev-Benami. Weizmann Institute of Science, Rehovot, Israel.

9 APRIL

Understanding cognition and its perturbation in intellectual disability: a holistic approach.

Mara Dierssen. Centre for Genomic Regulation, Barcelona, Spain.

7 MAY

Metagenomics of the human microbiome: uncovering the hidden diversity and exploring biomedical applications

Nicola Segata. CIBIO – University of Trento, Italy.

12 MAY

Dendritic cells therapy combined with immunomodulatory treatment in multiple sclerosis (Phase II).

Daniel Benítez. Institut de Investigacions Biomèdiques August Pi i Sunyer. Hospital Clínic de Barcelona. Fundació GAEM, Barcelona, Spain.

11 JUNE

The Role of subepithelial macrophages in colon-microbiota interactions

Ana-Maria Lennon-Duménil. Institut Curie, Institut Curie, Paris Sciences et Lettres University Paris, France.

24 SEPTEMBER

Breaking the restriction barrier in Staphylococci and application to essential signalling.

Ian Monk. Department of Microbiology and Immunology, University of Melbourne (Melbourne, Australia).

1 OCTOBER

Chemical and Molecular Ecology of Belowground Ecosystems.

Ricardo A. R. Machado. Institute of Biology. University of Neuchâtel, Switzerland.

8 OCTOBER

The protective role of type 1 conventional dendritic cells against obesity.

Salvador Iborra Martín. Medical School, University Complutense Madrid, Spain.

5 NOVEMBER

AAV-HDV: An Attractive Platform for the In Vivo Study of HDV Biology and the Mechanism of Disease Pathogenesis.

Gloria Gonzalez. CIMA Universidad de Navarra, Pamplona Spain.

VISIBLES CNB

11 FEBRUARY

Robótica: Aplicaciones y retos
Concepción Monje. Universidad Carlos III, Madrid

2022 SEMINARS

CYCLE

21 JANUARY

The bacterial epigenome.

Josep Casadesus. Facultad de Biología, Universidad de Sevilla, Sevilla.

13 JUNE

Simulating large conformational transition from multiscale modelling

Modesto Orozco. Institut de Reserca Biomèdica. Barcelona, Spain.

25 FEBRUARY

Noncoding roles for RNA in the regulation of the cancer genome

Maite Huarte. CIMA Universidad de Navarra, Pamplona Spain.

4 MARCH

Emerging roles of D-amino acids in bacteria.

Felipe Cava. University of Umea, Sweden.

11 MARCH

Seeing the invisible – perception and signaling of UV-B radiation in plants

Roman Ulm. University of Geneva, Switzerland.

9 JUNE

Reorganization of chromatin architecture and global amplification of nuclear transcription by light: towards a role for plastid organelles

Clara Richet-Bourbousse. Institut de Biologie de l'Ecole Normale Supérieure (IBENS) – Paris, France.

13 MAY

Towards the utilization of cannabinoids as anticancer agents...and other stories inspired by cannabis.

Guillermo Velasco. School of Biology, University Complutense Madrid, Spain.

24 JUNE

Inferring tumor and immune cell interactions from spatial transcriptomics with SpaceMarkers.

Elena Fertig. Johns Hopkins University, Baltimore USA.

30 SEPTEMBER

Nanobiosensor devices for label-free and ultrasensitive diagnostics at the point-of-care.

Laura Lechuga. ICN2-CSIC, Barcelona, Spain.

28 OCTOBER

Expanding horizons in cryo-EM, with cryo-STEM

Michael Elbaum. Weizmann Institute, Rehovot, Israel.

11 NOVEMBER

Functional insights into bacterial chromosome organization

Virginia Lioy. Université Paris-Saclay, Gif-sur-Yvette, France.

25 NOVEMBER

Role of innate lymphoid cells in tissue homeostasis.

Andreas Diefenbach. Institute of Microbiology, Infectious Diseases and Immunology, Charité - Universitätsmedizin Berlin, Germany.

16 DECEMBER

The concept of virus in the giant virus era.

Chantal Abergel. CNRS, Marseille, France.

JUNIOR

14 JANUARY

CRH release from the infra-limbic area to the lateral septum regulates social preference.

Félix Leroy. Instituto de Neurociencias de Alicante, Spain.

28 JANUARY

Improving plant immunity by synthetic exploitation of the ubiquitin system.

Beatriz Orosa Puente. Institute of Molecular Plant Science. University of Edinburgh, UK.

18 MARCH

Adding New Pieces to the Lupus Puzzle.

Virginia Pascua. Gale and Ira Drukier Institute for Children's Health, Weill Cornell Medicine, New York, USA.

25 MARCH

Key automated tools to streamline the Design-Build-Test-Learn biomanufacturing pipeline. **Pablo Carbonell**. Universidad Politécnica de Valencia, Spain.

1 APRIL

Multiplexed imaging to investigate DNA organization and transcription in embryos.

Marcello Nollmann. Center for Structural Biochemistry of the CNRS/INSERM, Montpellier, France.

22 APRIL

Antiviral defense during embryonic development

Sara Macias. Institute of Immunology and Infectious Diseases, University of Edinburgh, UK.

29 APRIL

The ecology and evolution of bacterial genomes.

Michael Brockhurst. Division of Evolution and Genomic Sciences. University of Manchester, UK.

20 MAY

Modeling the metabolism and adaptation of extremophilic microbes. **Ying Zhang**. Rhode Island University, Kingston, USA.

17 JUNE

Replenishing the ends: Visualisation of human telomerase holoenzyme by cryo-EM.

Kelly Nguyen. MRC-Laboratory of Molecular Biology, Cambridge, UK.

14 OCTOBER

Discovering the metabolic underpinnings of angiogenesis: A systems biology perspective.

Abhishek Subramanian. KU Leuven Center for Cancer Biology, Belgium.

21 OCTOBER

Culturing and managing complex soil microbiomes.

Jan Roelof van der Meer. University of Lausanne, Switzerland.

VISIBLES CNB

23 DECEMBER

Structural insights into the regulation of the gene silencer PRC2

Eva Nogales. University of Berkeley, USA.

**Scientific-technical seminars 2022**

To promote the technical capabilities available at the CNB's scientific core units, a new cycle of seminars has been running on a monthly basis during 2022, organised by Jose Requejo-Isidro and José María Valpuesta.

25 JANUARY

Electron cryo-microscopy, **Rocío Arranz**.

22 FEBRUARY

Advance Optical Microscopy, **Ana Oña**.

Electron Microscopy, **Cristina Patiño**.

29 MARCH

Single-Molecule Infrastructure, **Fernando Moreno**.

Bioimaging system for animal research, **Ángel Naranjo**.

Quantitative optical microscopy and single molecule imaging, **José Requejo-Isidro**.

26 APRIL

Image analysis, **Carlos Oscar Sorzano**.

Instruct Image Processing Centre (I2PC), **Jose María Carazo**.

31 MAY

Proteomics, **Fernando Corrales**.

Molecular Crystallography, **César Santiago**.

28 JUNE

Flow Cytometry, **M^a Carmen Moreno**.

Protein Tools, **Leonor Kremer**.

27 SEPTEMBER

BioinfoGP, **Juan Carlos Oliveros**. Sequence Analysis and Structure Prediction, **Florencio Pazos**.

11 OCTOBER

Histology, **Lluís Montoliu**.

Embryo cryopreservation, **Lluís Montoliu**.

25 OCTOBER

Spectroscopy techniques to analyse biological macrostructures, **Luis Alberto Campos**.

29 NOVEMBER

Transgenesis, **Belén Pintado**. Animal Experimentation, **Ángel Naranjo**.



Scientific courses and meetings organised by CNB researchers

In the past two years, our scientists have contributed to the organisation of 85 international or national workshops, meetings and courses.

2021

JANUARY-JUNE 2021 (ONLINE)

Curso de especialización en vesículas extracelulares.

Universidad Francisco de Vitoria. Escuela de Postgrado y Formación Permanente. Mar Valés-Gómez.

17-21 MAY (CNB)

Gestión de la producción y utilización de organismos modificados genéticamente. Procedimientos de autorización de actividades e instalaciones.

Fernando Usera & CSIC Gabinete de Formación.

18-21 MAY (ONLINE)

14th International Adenovirus Meeting.

Carmen San Martín & Mark van Raaij.

20/05/ (ONLINE)

Conversation on metabolic engineering.

Juan Nogales.

25-28 MAY (MADRID)

Cultivos de células animales. Metodología e Instrumentación.

Celia Perales & CSIC Gabinete de Formación .

07-11 JUNE (ONLINE)

Criomicroscopía en Biología.

Rocío Arranz & CSIC Gabinete de Formación.

22-25 JUNE (MADRID)

Aplicación de técnicas de cultivo celular en virología.

Celia Perales & CSIC Gabinete de Formación.

7-9 JUNE (CNB)

Redacción y seguimiento de proyectos para autorización del uso de animales de experimentación en el marco del RD 53/2013.

Belén Pintado & CSIC Gabinete de Formación.

JUNE (ONLINE)

XXVIII Congress of the Spanish Society of Microbiology (SEM).

Rafael Giraldo.

JUNE 28 JUNE-- JULY 02 JULY (ONLINE)

2nd Edition: Instruct virtual course on Single Particle Analysis by CryoEM.

12 JULY (ONLINE)

IV Practical course on Genome Editing and Gene Therapy.

Lluís Montoliu, Almudena Fernández.

AUGUST (SANTANDER, SPAIN)

VII UIMP-CSIC Summer School of Integrative Synthetic Biology: "The Challenge of Bacterial Pathogens".

Rafael Giraldo.

SEPTEMBER-DECEMBER (MADRID)

Exhibition at the National Museum of Natural History, "Microbiology: Exploring beyond what is visible".

Rafael Giraldo.

23 SEPTEMBER (ONLINE)

1st Albrecht Müller ARRIGE (AMA) seminar on "Gene drives".

Lluís Montoliu.

29 SEPTEMBER- 1 OCTOBER (ONLINE)

Joint Congress of the Portuguese and Spanish Microscopy Societies.

José R. Castón, Carmen San Martín, José María Valpuesta.

18-19 OCTOBER (MADRID)

FlagEra SoundSight Meeting. The sight of sound: how vision shapes the development of auditory inputs to the occipital cortex.

Marta Nieto.

19 OCTOBER (CNB)

4th Tec4Bio Biannual Meeting on New Technologies Applied to the Study of Biological Nanomachines.

Fernando Moreno-Herrero.

OCTOBER 2021 (MADRID)

Theoretical-Practical Course of Immunochemical Techniques: Characterization and Quantification of Proteins Using Antibodies.

Leonor Kremer, María Teresa Martín and M García-Gallo. Protein Tools Unit-CNB & Gabinete de Formación del CSIC.

25-29 OCTOBER (CNB)

Introduction to programming in R.

José Ramón Valverde.

1-5 NOVEMBER (LLEIDA)

Biannual meeting SENC (Spanish Neuroscience Society).

Marta Nieto.

22-26 NOVEMBER (ONLINE)

Tomografía electrónica en Biología.

Rocío Arranz & CSIC Gabinete de Formación.

NOVEMBER (MADRID)

Master of Biotechnology, Biotechnology of Microorganisms.

Universidad Autónoma de Madrid. Sonia Gullón Blanco.

23-25 NOVEMBER (MADRID)

3rd ASEICA Educational Symposium.
Ana Cuenda.

22-25 NOVEMBER (CNB)

Descontaminación, desinfección y esterilización.
Fernando Usera & CSIC Gabinete de Formación.

3 DECEMBER (ONLINE)

ESPCR annual meeting.
Lluís Montoliu.

13-16 DECEMBER (ONLINE)

Instruct virtual course on Electron Tomography by CryoEM.
Francisco Javier Chichón.

13-17 DECEMBER (CNB)

Biostatistics.
José Ramón Valverde.

20-21 DECEMBER (CNB, ONLINE)

XXIX CNB Scientific Workshop.
Scientific Activities Committee, Susana de Lucas, Ricardo Villares.

22 DECEMBER (CNB, ONLINE)

XXIX Workshop Advances in Molecular Biology by Young Researchers Abroad.
Mar Valés Gómez, Inés Antón, Urtzi Garaigorta, Pablo Pulido, Esther Ortega, Jesús Salvador, Juan Poyatos, Álvaro San Millán, Susana de Lucas, Domingo F. Barber.

2022**SCHOOL YEAR 2021-2022 (MADRID, SANTANDER)**

UIMP-CSIC Official Master in "Integrative Synthetic Biology (MISB).
Rafael Giraldo.

JANUARY-JUNE 2022 (ONLINE)

Curso de especialización en vesículas extracelulares. **Universidad Francisco de Vitoria.** Escuela de Postgrado y Formación Permanente.
Mar Valés-Gómez.

14-18 FEBRUARY (CNB)

Biostatistics.
José Ramón Valverde.

28 FEBRUARY 4 MARCH (CNB)

Introduction to programming in R.
José Ramón Valverde.

21-23 MARCH (MADRID)

The Mathematics of Living Matter, ICMAT-LifeHUB Worksho.
Juan F Poyatos.

28 MARCH (MALLORCA)

Curso de especialización: "Biología Sintética. Definiciones, metodología y aplicaciones en microbiología", **Universidad de les Illes Balears.** Programa de doctorado en Microbiología ambiental i Biomédica.
Víctor de Lorenzo.

18-20 APRIL (ONLINE)

I2PC - Instruct virtual course on Single Particle Analysis by CryoEM.

3 MAY (CNB)

Variability in Biological Systems meeting.
Juan F Poyatos.

5 MAY (CNB)

5th Tec4Bio Biannual Meeting on New Technologies Applied to the Study of Biological Nanomachines.
Fernando Moreno-Herrero.

10 MAY

Looking for synergies between IQM and CNB scientists.
Mario Mellado.

13 MAY (MADRID)

Conversations on Metabolic Engineering: towards a new partnership with nature.
Juan Nogales.

22 MAY (ONLINE)

CNB XXX Anniversary Workshop.
CNB Scientific Activities Committee, Susana de Lucas.

23 MAY (CNB)

PhD students Scientific Workshop.
PhD Students committee.

23 - 27 MAY (MADRID)

Gestión de la producción y utilización de organismos modificados genéticamente. Procedimientos de autorización de actividades e instalaciones.
Fernando Usera & CSIC Gabinete de Formación.

23-27 MAY (ONLINE)

Criomicroscopía en Biología.
Rocío Arranz & CSIC Gabinete de Formación.

24-27 MAY (MADRID)

Cultivos de células animales. Metodología e Instrumentación.
Celia Perales & CSIC Gabinete de Formación.

30 MAY-1 JUNE (CNB)

Redacción y seguimiento de proyectos para autorización del uso de animales de experimentación en el marco del RD 53/2013.

Belén Pintado & CSIC Gabinete de Formación .

3 JUNE (CNB)

Workshop: Functional Genomics in Development, Evolution and Disease.
Juan Jose Sanz.

10 JUNE (CNB)

Ecology and evolution of antimicrobial resistance.
Sara Hernando-Amado, Alvaro San-Millan.

22-24 JUNE (ONLINE)

I2PC – Instruct course: introduction to model building.

1 JULY (CNB)

Workshop: Structural Proteomics Conference.
Fernando Corrales.

8 JULY (ONLINE)

V Practical course on Genome Editing and Gene Therapy.
Almudena Fernández, Lluís Montoliu.

11 JULY (PARIS, FRANCIA)

Biannual meeting FENS (Federation of European Neuroscience Societies). Workshop: Development and Evolution of Bilateral Sensory Circuits.
Marta Nieto.

18-19 JULY (MADRID)

3º symposium Nanobiocargo: design, development and production of nanocarriers.
José María Valpuesta, José R. Castón.

31 JULY- 4 AUGUST (JUPITER FL USA)

FASEB Meeting. The phospholipids Conference: Dynamic lipid signaling in health and disease.
Isabel Mérida.

AUGUST (SANTANDER)

VIII UIMP-CSIC Summer School of Integrative Synthetic Biology: "Frontiers in Synthetic Biology".
Rafael Giraldo.

15-19 AUGUST (LAUSANNE, SWITZERLAND)

ISME 18 Session Convenor (2022). ISME Conference.
Álvaro Sánchez.

21-25 AUGUST (CORK, IRELAND)

16th International Meeting of the European Calcium Society Workshop: "Neuronal calcium sensors: from physiological processes to disease".
José Ramón Naranjo.

4-9 SEPTEMBER (BRNO, CZECH REPUBLIC)

16th Multinational Congress on Microscopy.
Jose María Valpuesta.

16 SEPTEMBER (CNB)

Acciones del CNB contra la pandemia por SARS-CoV-2.
Mario Mellado, Susana de Lucas.

21-23 SEPTEMBER (CNB)

International Conference on Plant Proteostasis.
Vicente Rubio.

OCTOBER 2022 (MADRID)

Theoretical-Practical Course of Immunochemical Techniques: Characterization and Quantification of Proteins Using Antibodies.
Leonor Kremer, María Teresa Martín and M García-Gallo. Protein Tools Unit-CNB and Gabinete de Formación del CSIC.

24 OCTOBER (SANTIAGO DE COMPOSTELA)

Hands-on workshop: GEIVEX / Tentacles [red traslacional para la aplicación clínica de vesículas extracelulares].
Mar Valés Gómez.

24-28 OCTOBER (CNB)

X Curso de Proteómica Cuantitativa
Alberto Paradela, Sergio Ciordia.

25-28 OCTOBER (SANTIAGO DE COMPOSTELA)

6th International GEIVEX [Grupo Español de Investigación en vesículas extracelulares] symposium.
Mar Valés Gómez.

NOVEMBER (MADRID)

Master of Biotechnology, Biotechnology of Microorganisms,
Universidad Autónoma de Madrid
Sonia Gullón Blanco.

2 NOVEMBER (ONLINE)

2nd Albrecht Müller ARRIGE (AMA) seminar on "Genome editing in livestock and pets".
Lluís Montoliu.

9 NOVEMBER (ONLINE)

ESPCR annual meeting.
Lluís Montoliu.

15 NOVEMBER (CNB)

6th Tec4Bio Biannual Meeting on New Technologies Applied to the Study of Biological Nanomachines.
Fernando Moreno-Herrero.

14-17 NOVEMBER (MADRID)

Aplicación de técnicas de cultivo celular en virología.
Celia Perales & CSIC Gabinete de Formación.

15-18 NOVEMBER (CNB)

Descontaminación, desinfección y esterilización.
Fernando Usera & CSIC Gabinete de Formación.

16-18 NOVEMBER (SANTIAGO DE COMPOSTELA)

18th ASEICA International Congress.
Ana Cuenda.

16-19 NOVEMBER (ONLINE)

International Scientific Conference on Albinism (ISCA).
Global Albinism Alliance (GAA) and Lluís Montoliu.

22-26 NOVEMBER (ONLINE)

Tomografía electrónica en Biología.
Rocío Arranz, Francisco Javier Chichón & CSIC Gabinete de Formación .

23-25 NOVEMBER (SALAMANCA)

6th Spanish & Portuguese Advanced Optical Microscopy Meeting – SPAOM 2022.
Ana M^a Oña Blanco, Gianluca D'Agostino, Jaime Fernández de Córdoba, José Requejo-Isidro, Carlos Óscar Sorzano Sánchez José Javier Conesa.

28-29 NOVEMBER (MADRID)

I Encuentro CIBERESP sobre visualización de la resistencia antimicrobiana como problema de salud pública.
Álvaro San Millán.

29 NOVEMBER (BRUSSELS, BELGIUM)

EAM EB meeting Delegación CSIC – Bruselas.
Víctor de Lorenzo.

4-8 DECEMBER (MEXICO)

HUPO World Congress.
Fernando Corrales.

6-8 DECEMBER (CHILE)

Determinación Estructural de Proteínas y Complejos Macromoleculares Mediante Técnicas de Microscopía Electrónica y Procesamiento de Imágenes.
Jaime Martín-Benito, Rocío Arranz.

13-16 DECEMBER (CNB)

Instruct course on Cryo-Electron Tomography Image Processing.
Francisco Javier Chichón.

19-20 DECEMBER (CNB)

XXX CNB Scientific Workshop,
Scientific Activities Committee
Susana de Lucas.

22 DECEMBER (CNB)

XXX Workshop Advances in Molecular Biology by Young Researchers Abroad
Mar Valés Gómez, Inés Antón, Urtzi Garaigorta, Antonio Bernad, Esther Ortega, Esteban Martínez, Jesús Salvador, Álvaro San Millán, Pablo Pulido.

Scientific and social events in the last 2 years



CryoEM facility official Inauguration by Pedro Duque, Science and Innovation Ministry, 26 May 2021. The Minister of Science and Innovation, Pedro Duque, inaugurated the new cryomicroscopy facilities at the CNB-CSIC. This new infrastructure allows the observation of cells and their components with an unprecedented level of detail.



30th CNB Scientific workshop, December 2022. After 2 years celebrating online workshops, we were looking forward to finally celebrate in person events (Full Lecture Hall view).



CNB actions against COVID-19. Group picture, September 2022. Event celebrated to acknowledge the financial support received from many companies, institutions or individuals during the pandemic.



CNB actions against COVID-19. September 2022 During the event, Eloísa del Pino, president of CSIC, visited the CNB.

Publications

TOTAL

2021
274

2022
262

AVERAGE IMPACT FACTOR

2021
7.8

2022
9.7

PUBLICATIONS SCOPUS Q1

2021
214
78.1 %

2022
213
81.3 %

PUBLICATIONS IN SCOPUS D1

2021
141
51.5 %

2022
137
52.3 %

CNB CORRESPONDING AUTHORS

2021
147
53.6 %

2022
136
51.9 %

INTERNATIONAL COLLABORATION

2021
155
56.6 %

2022
131
48.2 %

OPEN ACCESS

2021
246
89.7 %

2022
226
86.3 %

Funding

TOTAL

2021
€15.085.987

2022
€16.076.878

RESEARCH GRANTS (without European Commission grants)

2021
€11.914.990

2022
€12.640.615

EUROPEAN COMMISSION GRANTS

2021
€2.255.718

2022
€1.191.726

PATRONAGE

2021

2022
€286.219

CONTRACTS & AGREEMENTS

2021
€915.279

2022
€1.958.318

Staff

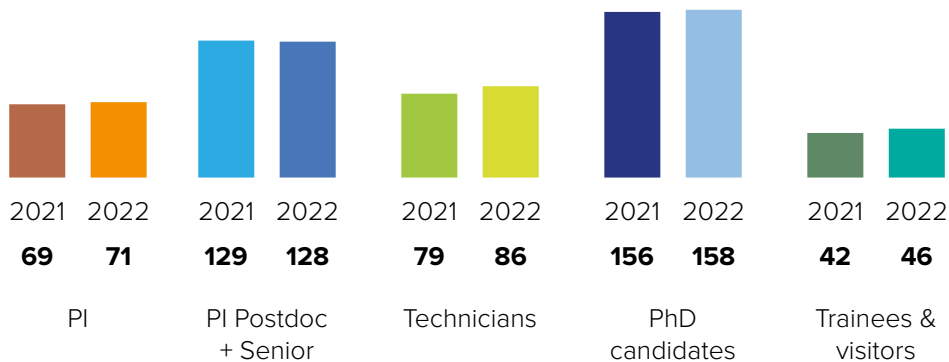
TOTAL

2021 2022
674 698

RESEARCH

TOTAL

2021 2022
475 489



GENDER

Women
 2021 2022
53,3% 51,9%

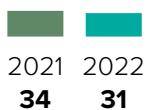
Men
 2021 2022
46,7% 48,1%

NATIONALITY

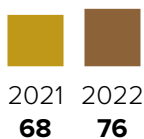
Spanish
 2021 2022
88,6% 86,5%

Non-Spanish
 2021 2022
11,4% 13,5%

ADMINISTRATION



SCIENTIFIC FACILITIES



TECHNICAL SUPPORT

