

WELCOME HANDBOOK

CENTRO NACIONAL BIOTECNOLOGÍA



EXCELENCIA
SEVERO
OCHOA



CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



GOBIERNO
DE ESPAÑA

MINISTERIO
DE ECONOMÍA, INDUSTRIA
Y COMPETITIVIDAD

Welcome to the CNB!

The Centro Nacional de Biotecnología (CNB) is a research centre that forms part of the Spanish Scientific Research Council (CSIC), the largest scientific institution in Spain. The CNB was inaugurated in 1992 to lead the development of modern biotechnology in Spain.

Our main objectives are:

- To acquire knowledge and develop new technologies in the areas of human and animal health, agriculture, microbiology and the environment
- To transfer scientific advances for the benefit of our society
- To train future generations of researchers and technologists
- To inform and make society aware of the advances and benefits of biotechnology

The CNB stands out for its versatile interdisciplinary research, which combines molecular biology techniques with the latest technologies in functional and structural biology. We are a team of more than 600 professionals committed to quality research. The CNB has been recognized by an international jury as one of the Severo Ochoa Centres of Excellence in life sciences and medicine.



Índice

1. CNB information	6
2. CNB organization	7
3. Incorporation and procedures	9
4. Occupational safety and risk prevention.....	10
5. First aid	15
6. Emergency measures	18
7. Telephone directory	20

1. CNB information

Street address: C/Darwin 3, Campus Cantoblanco 28049 Madrid, Spain

Main telephone : 915854500

E-mail: cnb@cnb.csic.es

Website: www.cnb.csic.es



How to get here... by train

Take the **C4** suburban rail line (RENFE Cercanías, direction Colmenar or Alcobendas-S. Sebastián de los Reyes) to the **Cantoblanco University** station. The CNB is about a ten-minute walk from the train station.

By bus

Several bus lines of the Madrid Regional Transport Consortium have stops on the Universidad Autónoma campus:

- **714** (Plaza Castilla - Univ Autónoma - Univ Comillas)
- **827** (Canillejas - Airport T4 - Alcobendas - Univ Autónoma - Tres Cantos)
- **827A** (San Sebastián de los Reyes - Alcobendas - Univ Autónoma)
- **828** (Canillejas - Airport T4 - Alcobendas - Univ Autónoma)

The CNB is about a two-minute walk from the bus stop.

By car

From Madrid: via the M-40 motorway to exit 57, where you take the M-607 motorway in the direction of Colmenar Viejo-Tres Cantos. Take exit 15 and follow the signs for the Universidad Autónoma campus. The CNB has a free parking area.

2. CNB organization

The CNB is led by a **director (Fernando Rojo de Castro)** and two vice-directors (**Mario Mellado** and **Peter Klatt**). The director and the vice-directors are elected every four years by the Scientific Council, formed by all CNB personnel with a doctorate degree. Administrative matters and technical support are coordinated by the CNB **Administrative Manager (Isabel Sevillano Navarro)**.

The CNB Board is chaired by the director and the vice-directors, and includes the heads of each of the CNB's six research areas as well as four representatives of the centre's staff and the administrative manager. The board meets monthly to inform, discuss, plan and implement the decisions of the CNB management.

An external **Scientific Advisory Committee** is responsible for evaluating CNB scientific activity and advising the centre's management in periodic reports.

Research departments

- **Macromolecular Structures** | José María Valpuesta
- **Molecular and Cellular Biology** | Francisco Jose Iborra Rodriguez
- **Microbial Biotechnology** | José Luis Martínez
- **Plant Molecular Genetics** | Jose Juan Sánchez Serrano
- **Inmunology and Oncology** | Ana Cuenda
- **Systems Biology** | Victor de Lorenzo

Administration and technical support

- **Human Resources** | Marina Hernando
- **Project Management** | Soraya Olmedilla
- **Economic Management** | Mariano Muñoz
- **Purchasing and Supplies** | Julio Díaz
- **Information Technologies** | Sonia de Diego
- **Library** | María Dolores Aparicio
- **Maintenance** | Antonio Dueñas
- **General Services** | Gabriel Sánchez de Lamadrid
- **Construction and Infrastructure Planning** | Javier Zarco
- **Security** | Sócrates Gutiérrez

Scientific services

- **Electron Microscopy** | Cristina Patiño
- **Confocal Microscopy** | Sylvia Gutiérrez
- **Cryo-electron Microscopy** | Rocío Arranz
- **X-ray Crystallography** | César Santiago
- **Proteomics** | Alberto Paradela
- **Protein Tools Unit** | Leonor Kremer
- **Genomics** | José Manuel Franco
- **Bioinformatics for Genomics and Proteomics** | Juan Carlos Oliveros
- **Scientific Computing** | José Ramón Valverde
- **Sequence Analysis and Structure Prediction** | Mónica Chagoyen
- **Flow Cytometry** | María del Carmen Moreno-Ortiz
- **Greenhouse** | Tomás Heras
- **Animal Facility** | Ángel Naranjo
- **In Vitro Plant Culture and Transgenesis** | vacant
- **Histology** | Lluís Montoliu
- **Mouse Embryo Cryopreservation** | Lluís Montoliu
- **Transgénesis** | María Belén Pintado
- **Radiation Protection and Biological Safety** | Fernando Usera
- **Tissue Culture, Washing and Sterilization** | Rosa María Bravo
- **Photography** | Inés Poveda
- **Workshop** | Daniel Pastora Muñoz
- **Instrumentation** | Ismael Gómez López

Research Support

- **Technology Transfer** | Cristina Merino
- **Scientific Culture/ Press** | Julia García

3. Incorporation and procedures

To formalize your incorporation you must go to the **Human Resources Department** on the first floor of the management building.

In the CSIC intranet, <https://intranet.csic.es/>, all personnel associated with the CSIC (civil servants and contracted workers) can carry out various administrative procedures and obtain information.

Once you have been included in the CSIC personnel database, you can request an email account (if you fulfil the contract conditions according to CSIC regulations) and register your personal computer in the CNB network through the computing service website, <http://tic.cnb.csic.es>. You can also contact them at the email address tic@cnb.csic.es, or in person on the ground floor (B12).

If you want your data to be included on your laboratory's website as a member of a research group or service, contact the **Communication and Outreach** service on the first floor of the management building.

All workers or students who work in a laboratory must go to the Biosafety Service, office 340, to formalize the protocol for reception of new personnel.

If you need admittance to facilities with controlled access (animal house, greenhouses, biosecurity laboratories, etc.), you must apply for an access card in the Human Resources Department. You must then go to the **Physical Security Service** in the hall of the main building for activation of the access card or fingerprinting. Once the Physical Security Service receives approval from the person responsible, your card and/or fingerprint will be activated to allow access to the facility.

If you will not be working in a laboratory, contact **Risk Prevention** on the first floor of the management building to formalize procedures for new personnel and the initial information receipt document.

The CNB forms part of the UAM International Campus of Excellence, which facilitates discounts for certain services such as sports and other activities.

4. Occupational safety and risk prevention

The **Biosafety Service**, directed by Fernando Usera, is responsible for biological/chemical safety and radiation protection at the CNB. It is mandatory that all laboratory personnel fulfil the Biosafety Service protocol for reception of new personnel by filling out the personnel control sheet, the specific medical surveillance record, and the initial information receipt document. You will also receive key safety information (on the use of personal protective equipment, accident procedures, emergency situations, etc.), and the guide to **laboratory safety and hygiene**, which outlines the basic rules to be followed in the laboratory.

Approximately once a month, the Biosafety Service organizes a **mandatory course on laboratory safety and hygiene** for new CNB personnel.

As indicated in section 3, if new personnel do not work in a laboratory, they should contact **Risk Prevention** (first floor of the management building) to complete the protocol for reception of new personnel by filling out the initial information receipt document and the specific medical surveillance form.

During these procedures, or once the individual has begun his/her laboratory functions, it is very important to report any specific sensitivities (dermatitis, allergies, immunosuppression, disabilities, pregnancy, breastfeeding, etc.), to adapt the affected worker's job if deemed necessary.

In compliance with the current regulatory framework, the CSIC's obligations regarding occupational safety and health are to guarantee its employees an initial and periodic medical surveillance based on the risks inherent to their work. With the exceptions established by law, this supervision can only be carried out with employee consent. The CNB will provide the informed consent form for a specific occupational medical examination.

PREVENTION OF OCCUPATIONAL HAZARDS
CNB DEPARTMENT OF RADIATION PROTECTION AND BIOLOGICAL SAFETY Head Fernando Usera Mena 91 5854541 Service technicians:915854305 From internal phones: 63042 bioseguridad@cnb.csic.es / fusera@cnb.csic.es
CNB PREVENTION EMPLOYEE 915855423 prl@cnb.csic.es
CSIC AREA OF OCCUPATIONAL HAZARD PREVENTION C/Serrano 113 posterior 28006 Madrid Head: Encarnación Pueyo Area.prl@csic.es 91 568 19 23/25/27
CSIC SURVEILLANCE UNIT FOR OCCUPATIONAL HEALTH AND MEDICINE (MADRID) C/Serrano 113 posterior 28006 Madrid Head: Marta L. Bermejo Bermejo v.salud@csic.es 91 568 19 31/32/33 Work accidents/emergencies - Monday to Friday 8:00 a.m. to 3:00 p.m. For medical or nursing consultations and vaccinations, please make an appointment

BASIC NORMS FOR LABORATORY WORK

- When planning tasks, keep order and cleanliness in mind. You must not eat or drink in the laboratories. You must not store food or beverages in research areas. When you finish activities using hazardous materials, wash your hands.
- The lab coat and/or scrub suit are mandatory and exclusive to the research area. You must not wear lab coats, scrubs or protective gloves in other areas; remove the lab coat or cover your scrubs with a blue lab coat.
- The material safety data sheet (MSDS) for chemicals is available in the Biosafety Service; you can also obtain these sheets through various databases on the internet, as indicated on the Biosafety Service website.
- Use collective protection equipment (gas extraction cabinets/fume hoods, biosafety cabins, etc.) whenever there is a radiological, chemical or biological hazard. Flammable and dangerous chemicals or those that offer potential hazards by inhalation must be manipulated in fume hoods. Flammable and explosive materials must be handled away from any heat source.
- Use personal protective equipment appropriate to the hazard of the material and entry route: laboratory gloves for handling any dangerous product, anti-splash goggles for handling dangerous liquids, and antiparticle mask to avoid contact with dangerous aerosols and when weighing dangerous solid materials.
- Do not use contact lenses for laboratory work; wear eyeglasses.
- Check the condition of the glass material you use. Contaminated recyclable glass material must be decontaminated and rinsed before being delivered to the washing and sterilization service.
- Avoid the use of sharp glass or metallic material. If you use syringes with needles, discard them without separating the needle from the syringe, and do not try to re-cap the needle.
- Label and safely store all vials and containers that hold hazardous materials.
- Store flammable and explosive in flammables storage cabinets. Store materials with toxic fumes in these cabinets, separating them from flammables on a different shelf. Store corrosives in specifically labelled cupboards (acids and bases) or in a specific module under the bench in a tray to contain accidental spills.
- When transporting samples, hazardous materials or waste, use the service elevator/lift, never personnel elevators.
- Follow the regulations regarding the separation, processing and labelling of chemical, biological and radioactive waste you produce.
- The corridors of all floors have labelled emergency first aid kits and cabinets with individual protection equipment and decontamination materials. Follow the rules issued for these situations.

BASIC NORMS FOR DATA DISPLAY SCREENS

The main risks associated with the use of data display screens are musculoskeletal disorders, visual problems and mental fatigue. Here are some preventive measures that can help you:

- Position yourself perpendicular to the windows to avoid reflections. Position the screen frontally.
- Use curtains or blinds to obtain a comfortable light environment.
- Adjust screen brightness and contrast as well as text character size for comfortable reading.
- Take periodic short breaks to prevent visual fatigue.
- Perform eye relaxation exercises.
- Optimal visual distance to the screen is 45-55 cm. The screen should be situated within the space between the horizontal line of sight and a line at about 60° below horizontal.



- The chair should be ergonomic to allow height and backrest adjustment. The forearms should rest on the desk and the back should be completely supported by the backrest of the chair.
- If your feet do not reach the floor once your chair is adjusted, a footrest is recommended.
- The distance between the keyboard and the edge of the desk should be at least 10-20 cm to allow the wrist to rest on the desk.
- The mouse should be used by resting the hand on it such that the wrist and forearm are always in contact with the desk.

WORKER OBLIGATIONS IN THE PREVENTION OF OCCUPATIONAL HAZARDS

CSIC workers can access various documents through the CSIC Intranet in the section related to Occupational Risk Prevention <http://www.csic.es/>.

Worker obligations in the prevention of occupational risks are included in article 29 of Law 31/1995:

1. Every worker is responsible, according to his/her possibilities and by complying with preventive measures in each case, for his/her own health and safety at work and for that of other persons whom their professional activity might affect due to their acts and omissions at work, in accordance with their training and the instructions of their superior.
2. Workers, in accordance with their training and following the instructions of their superiors, shall specifically:
 - a) Use appropriately, in accordance with their nature and foreseeable risks, work equipment, facilities, tools, dangerous substances, transport equipment and, in general, any other means by which they carry out their activity.
 - b) Use correctly the means and protective equipment facilitated by the Centre, according to the instructions received.
 - c) Not disable operation of and correctly use existing safety devices or those installed in the work environment related to their activity or in the places in which it takes place.
 - d) Immediately inform his/her direct superior and the designated protection and prevention workers or, as the case may be, the Prevention Service, of any situation that, in their opinion, entails reasonable risk to worker safety and health.
 - (e) Contribute to compliance with the obligations established by the competent authority to protect worker safety and health.
 - f) Cooperate such that the CSIC can guarantee safe working conditions that do not entail risk to worker safety and health.
 - g) Form part when so designated, in accordance with the approved procedure and after consultation with the workers' representatives, of the emergency teams established to implement self-protection plans and emergency measures in the various Centres and Institutes.
 - h) Know and comply with the regulations, procedures and instructions that affect their work, in particular with prevention and protection measures.

5. First aid



In an accident, undertake basic PIA management procedures.

P: protect -- secure the area of the accident to prevent it from becoming **more serious**

I: inform the emergency services by calling 112

A: assist the victims

Serious or potentially serious accidents:

Call 112 immediately, request medical assistance, and follow their instructions.

Traslada al accidentado a una zona ventilada y atemperada, manteniéndolo vigilado hasta que acuda la asistencia médica

Minor accidents:

a) There are first aid kits on all floors. If needed, eyebaths and emergency showers are distributed throughout the Centre.

The emergency cupboards located in the corridors on all floors of the main building and the extension building hold decontaminants, germicides and a change of clothing.



First aid kit



Eyebath



Emergency cupboard

b) Notify the Radiation Protection and Biological Safety Service for advice.

c) Medical assistance:

- ✓ CSIC employees: request the medical assistance form from Human Resources and visit the FREMAP (insurance provider) clinic.



- ✓ Non-CSIC staff: visit the assistance centre of the mutual accident insurance provider contracted by your employer.
- ✓ Students: for the medical service of your university or CNB-contracted insurance, fill in the communication of accidents form from Human Resources. For CNB-contracted insurance, call the following telephone number, where they will indicate the care centre you must visit.



902 44 88 44

Insurance policy number: 0551480497991

EMERGENCY TELEPHONE NUMBERS		
SERIOUS OR POTENTIALLY SERIOUS EMERGENCIES: 112		
BIOSECURITY: Monday-Thursday 9:00-17:00 h; Friday 09:00-14:30 h Extensions 4541/4305/63042 Outside working hours & holidays 1º Fernando Usera 687542369 2º PR & SB Service 628415779		
PHYSICAL SECURITY	Sócrates Gutiérrez Reception	ext.4512 ext.4500
FREMAM MUTUAL (CSIC employees) 900 61 00 61		
MEDICAL SERVICE, PLAZA MAYOR 91 568 19 49/50		
OCCUPATIONAL HAZARD PREVENTION SERVICE		
	Health monitoring	915 681 933/32
	General information	915 680 004
TOXICOLOGICAL EMERGENCY TELEPHONE 24 H		915 620 420

PROCEDURE: ACCIDENTAL INOCULATION OF BIOLOGICAL AGENTS



1. Wash the area with soap and water for at least 20 minutes
2. Encourage the wound to bleed under running water for 5 minutes
3. Apply hydrogen peroxide, then desinfect (Betadine, Cristalmina)



4. Cover the area with sterile gauze or a clean bandage
5. Always seek medical assistance
6. Provide all available information on the biological or chemical agent inoculated

PROCEDURE: CHEMICAL SPLASHES TO THE EYES



1. Flush eyes immediately with copious running water for at least 20 minutes



2. Cover eyes with sterile gauze or a clean bandage



3. Always seek medical assistance

REMEMBER: CORRECT OCULAR FLUSHING CAN PREVENT IRREVERSIBLE DAMAGE, INCLUDING BLINDNESS
DO NOT TRY TO NEUTRALIZE THE CHEMICAL OR USE EYEDROPS

PROCEDURE: BURNS

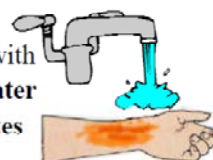
1. Eliminate the cause



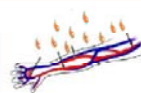
2. Remove chemical-impregnated clothing
CUT IT OFF; DO NOT UNDRRESS!
Do not remove cloth adhered to skin.



3. Wash immediately with copious running water for at least 20 minutes



5. Always seek medical assistance



Use the same procedure for chemical splashes, even if no lesion is apparent, to prevent absorption

6. CNB emergency measures

The CNB has a protection plan and evacuation teams with instructions and training to act in emergency situations.

Basic recommendations:

- Keep the workplace clean and tidy
- Do not block evacuation routes, access to fire extinguishers, fire hydrants or emergency exits
- Note all emergency signs; check the available exits, evacuation routes, and the location of the fire extinguisher closest to your workplace

In case of evacuation:

- Do not use elevators/lifts
- If there is smoke, cover your nose with a damp cloth or handkerchief and crouch down as you walk
- If you cannot use the exits or you are disabled, notify reception (Central Control; **91 585 4500**) and remain in the room with the door closed. Remember to signal your position from the windows.

If you detect an emergency

- Remain calm, do not shout
- Notify Central Control (91 585 4500), indicating the location and characteristics of the emergency
- Wait for instructions. In your area there is an evacuation team with instructions and proper training to act in these situations.
- Go immediately to the meeting point and inform the emergency teams of the absence of any co-worker if you do not locate them outside
 - Do not leave the meeting point until the return order is communicated

CENTRAL CONTROL



91 585 45 00

MEETING POINT



LANDSCAPED AREA, CORNER
OF MARIE CURIE & DARWIN
STREETS

BASIC EMERGENCY MEASURES



CNB
CENTRO NACIONAL DE BIOTECNOLOGÍA

redacción y diseño
www.asifor.com



7. CNB telephone directory

PLANTA SÓTANO

ANIMALARIO

<i>Angel Naranjo</i>	45.15
<i>Alberto García</i>	45.32
<i>Despacho S.70</i>	46.83
<i>Despacho S.61.2</i>	43.03
<i>Zona de Barrera</i>	46.54
<i>Área Inoculados</i>	43.02
<i>Zona de Lavado</i>	43.00
<i>S-100</i>	49.27
<i>S-90</i>	46.85
<i>S-80</i>	43.01

MANTENIMIENTO

<i>Antonio Dueñas</i>	45.22
	45.16

TALLER

<i>Daniel Pastora</i>	47.04
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ALMACÉN

45.56/54.28

PLANTA BAJA

RECEPCIÓN

45.00

DIRECTOR

45.03

Fernando Rojo

SECRETARÍA

46.89

Yolanda García

VICEDIRECTORA

45.64

Carmen Castresana

VICEDIRECTOR

48.52

Mario Mellado

DIVULGACIÓN CIENTÍFICA

48.42

Julia García

GESTIÓN CIENTÍFICA

53.03

Peter Klatt

GESTIÓN TECNOLÓGICA

43.06

Cristina Merino

GERENTE

45.45

Isabel Sevillano

SERVICIOS ECONÓMICOS

45.01

Mariano Muñoz

ADMINISTRACIÓN, CUENTAS E INFRAESTRUCTURA

48.57

Mª José Gregorio
Carmen Berreiros

46.84

CAJA

45.01

VIAJES

Francisco Aparicio

49.19

FACTURACIÓN / INVENTARIO

<i>Carmen Vaz</i>	46.72
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PROYECTOS

<i>Soraya Olmedilla</i>	46.73
<i>Diana Pastor</i>	47.01
<i>Pilar Ara</i>	45.72
<i>Daniel Martín</i>	48.59

PERSONAL

<i>Marina Hernando</i>	49.20
<i>Gloria del Sastre</i>	45.68
<i>Javier Tortosa</i>	54.31
<i>Aurora Cabrerizo</i>	49.70
<i>Pilar Corral</i>	48.55

PREVENCIÓN DE RIESGOS

<i>Nuria Martín Montes</i>	54.23
----------------------------	-------

PLANIFICACIÓN DE OBRAS

<i>Javier Zarco</i>	49.25
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COMPRAS

<i>Julio Díaz</i>	45.18
	46.94

PEDIDOS

<i>María José Caballero</i>	45.19
<i>Julio Díez</i>	46.94
<i>Angeles Lumbreras</i>	48.43

CONTRATACIÓN

<i>Rafael López</i>	46.80
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SEGURIDAD

<i>Sócrates Gutiérrez</i>	45.12
---------------------------	-------

SERVICIOS GENERALES

<i>Gabriel Sánchez de Lamadrid</i>	45.38
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MENSAJERÍA/SALAS

<i>Manuel Grande</i>	46.92
----------------------	-------

REPROGRAFÍA

<i>Julián Miguel Grande</i>	43.04
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MENSAJERÍA/CORREO

<i>José Antonio Lozano</i>	46.98
----------------------------	-------

BIBLIOTECA

<i>Mª Dolores Aparicio</i>	45.11
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B30.5

	48.58
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PROTEORED

<i>Dolores Segura</i>	46.68
-----------------------	-------

FOTOGRAFÍA

<i>Inés Poveda</i>	45.67
--------------------	-------

SERVICIO DE MICROSCOPIA

<i>Cristina Patiño</i>	45.50
	54.73

ULTRAMICROTOMÍA 54.91

DESPACHO 129

Marta Nieto 48.37
Fco. José Iborra 48.45

LAVADO Y ESTERILIZACIÓN y 45.66

Preparación de Medios de Cultivos Celulares
Carlos Enríquez

INFORMÁTICA Y COMUNICACIONES

Sonia de Diego 45.13
Íñigo Oficialdegui 46.67
Alberto Sanchez 48.51

INFORMÁTICA CIENTÍFICA 45.05

José Ramón Valverde

SERVICIO DE TRANSGÉNESIS (B-15)

Belén Pintado 48.38

**SERVICIO DE CRIOPRESERVACIÓN
DE EMBRIONES (B-15) 43.12**

LABORATORIO B-16 49.18

José M^a Casasnovas 49.17

LABORATORIO B-17 43.11

Fernando Moreno 53.05

B-18

Grupo de Fernando Moreno 54.47

José Jesús Fernández 46.19

UNIDAD DE BIOCOMPUTACIÓN 45.10

José M^a Carazo 45.43

Secretaría 49.22

TÉCNICAS B.13.1 46.97

CULTIVO NIVEL BIOSEGURIDAD III 43.05

Fernando Usera 45.41

Sublaboratorio 1 46.79

Sublaboratorio 2 46.79

Sublaboratorio 3 46.79

CULTIVO 46.91

SERVICIO DE HISTOLOGÍA 49.03

**DESPACHO SERVICIO DE HISTOLOGÍA Y
CRIOPRESERVACIÓN DE EMBRIONES**

Soledad Montalbán 53.49

Julia Fernández 53.49

LABORATORIO 101 46.93

PLANTA SEGUNDA:
BIOTECNOLOGÍA MICROBIANA.

LABORATORIO 211 54.96

Daniel López 54.95

Irene Sánchez (Project Manager) 53.45

LABORATORIO 212 45.24

José Luis Martínez 45.42

LABORATORIO 213 46.75

Arturo Calzada 46.15

Silvia Ayora 46.15

LABORATORIO 214 45.28

Juan Carlos Alonso 45.46

LABORATORIO 215 45.23

Rafael Pérez Mellado 45.47

LABORATORIO 216 45.71

Fernando Rojo 45.39

LABORATORIO 217 46.86

Miguel Vicente 46.99

LABORATORIO 218 54.34

Jesús Blázquez 54.33

LABORATORIO 280 45.51

Fco. García del Portillo 49.23

LABORATORIO 241 54.26

Luis Ángel Fernández 48.54

LAVADO Y ESTERILIZACIÓN 45.29

Rosa María Bravo

PLANTA PRIMERA:
BIOLOGÍA MOLECULAR Y CELULAR.

LABORATORIO 111 45.30

Lluís Montoliu 48.44

LABORATORIO 112 45.60

Mariano Esteban 45.53

LABORATORIO 113 54.44

Dolores Rodríguez 45.49

Marta Nieto 48.37

LABORATORIO 114 45.26

Luis Enjuanes 45.55

LABORATORIO 115 49.13

José Ramón Naranjo 46.82

LABORATORIO 116 45.61

Pablo Gastamiza 53.95

Juan José Sanz

LABORATORIO 117 45.33

Fco. Rodríguez Aguirre 45.58

LABORATORIO 118 46.78

Amelia Nieto 49.14

Fco. José Iborra 48.45

<i>Santos Mañes</i>	48.40
<i>Antonio Bernad</i>	54.24

TERCERA PLANTA:
GENÉTICA MOLECULAR DE PLANTAS

LABORATORIO 311	45.14
<i>Javier Paz-Ares</i>	45.04
LABORATORIO 312	45.25
<i>Antonio Leyva</i>	45.34
LABORATORIO 313	45.27
<i>J.A. García Álvarez</i>	45.35
<i>Carmen Simón</i>	53.97
LABORATORIO 314	49.24
<i>Salomé Prat</i>	49.16
LABORATORIO 315	45.31
<i>Carmen Catresana</i>	45.64
LABORATORIO 316	46.74
<i>José Sánchez Serrano</i>	45.65
<i>Enrique Rojo</i>	45.21
LABORATORIO 317	54.30
<i>Roberto Solano</i>	54.29
LABORATORIO 318	46.88
<i>Carlos Alonso Blanco</i>	49.67
LABORATORIO 380	43.08/4681
<i>Pilar Cubas</i>	49.05
<i>Vicente Rubio</i>	47.00
<i>Raquel Piqueras</i>	46.81
SERVICIO DE PROTECCIÓN RADIOLÓGICA Y SEGURIDAD BIOLÓGICA	43.05
<i>Fernando Usera</i>	45.41
SERVICIO DE CULTIVO “IN VITRO” Y PLANTAS TRANSGÉNICAS	
<i>Raquel Piqueras</i>	54.46

LABORATORIO 416	46.60
<i>Mario Mellado</i>	48.52
<i>José M. Rodríguez Frade</i>	48.52
<i>Yolanda R. Carrasco</i>	48.52
LABORATORIO 417	46.58
<i>Hugh Reyburn</i>	48.49
<i>Jesús M^a Salvador</i>	48.56
<i>Mar Valés</i>	43.13
LABORATORIO 418	46.59
<i>Ignacio Moreno de Alborán</i>	45.62
<i>Ana Cuenda</i>	54.51
LAVADO Y ESTERILIZACIÓN	46.66
CITOMETRÍA DE FLUJO	46.71
SORTING	43.10
<i>M^a Carmen Moreno-Ortiz</i>	53.15
SECRETARÍA	
<i>Catherine Mark</i>	48.50
CULTIVO	46.62
LABORATORIO 431	46.57

INVERNADERO:

Invernadero	45.69
Invernadero Nuevo	49.15
<i>Tomás Heras</i>	54.27

CALLE NORTE:

CUARTA PLANTA:
INMUNOLOGÍA Y ONCOLOGÍA

LABORATORIO 411	45.37
<i>Carlos Martínez</i>	45.59
LABORATORIO 412	46.56
<i>Carlos Ardavín</i>	48.41
<i>Dimitrios Balomenos</i>	54.49
LABORATORIO 413	46.64
<i>Ana Carrera</i>	48.46
LABORATORIO 414	46.65
<i>Isabel Mérida</i>	47.02
LABORATORIO 415	46.55
Welcome Handbook Centro Nacional Biotecnología	

M1 SERVICIO DE CONFOCAL	
<i>Sylvia Gutierrez</i>	46.61
M2 MICROSCOPIO NORTE	54.25
M3.1 BioinfoGP	46.17
<i>Juan Carlos Oliveros</i>	54.21
M4	54.22
<i>Victor Muñoz</i>	49.21
<i>Ignacio Torres</i>	54.32
<i>Eva de Alba</i>	46.87
ACUARIO	48.53
<i>Noemí Villalta</i>	

EDIFICIO NUEVO:**PLANTA SÓTANO:**

INSTRUMENTACIÓN	45.02	
<i>Ismael Gómez</i>		48.39
LAB. DE MICROSC. ELECTRÓNICA	54.97	
<i>José López Carrascosa</i>		45.09
LABORATORIO S.0	53.47	
<i>José María Valpuesta</i>		46.90
MICROSCOPIO TALOS		46.77
LABORATORIO S.5	54.72	
<i>José Ruiz Castón</i>		49.71
<i>Jaime Martín Benito</i>		49.71
LAB. DE ESTRUCTURA CELULAR	49.73	
<i>Cristina Risco</i>		45.07

PLANTA SEGUNDA:

LABORATORIO 20.A		
<i>Esteban Veiga</i>		45.48
LABORATORIO 20.B		45.17
<i>Mark Van Raaij</i>		46.16
THROMBOTARGETS (25.A)		54.98
<i>Esther Rincón</i>		53.99
INVEGEN (25.B)		
<i>Luis Gonzaga Ruiz de Gauna</i>		53.94

PLANTA TERCERA:

LABORATORIO 30		45.73
<i>Inés Merino</i>		43.14
<i>Víctor de Lorenzo</i>		45.36
LABORATORIO 31.A		43.07
<i>Juan Poyatos</i>		53.09
BIOINFORMÁTICA DE SISTEMAS		46.76
<i>Florencio Pazos</i>		46.69
LABORATORIO 35.0		54.94
<i>Javier Tamames</i>		53.16
<i>Carlos Pedrós-Alió</i>		54.93
LABORATORIO 35.3		53.17
LABORATORIO 35.4		
<i>Susanna Manrubia</i>		46.18
PTVDC Gates (Lab. 36)		
<i>M^a. Victoria Jiménez</i>		53.42

PLANTA BAJA:

LABORATORIO B.0 PROTEIN TOOLS	46.14	
<i>Leonor Kremer</i>		45.70
LABORATORIO B.1 PROTEÓMICA	46.95/45.40	
<i>Gluten</i>		46.70
<i>Lab. B2/Síntesis de Péptidos</i>		49.26
LABORATORIO B.5 GENÓMICA	54.45	
<i>Despacho</i>		54.48

PLANTA PRIMERA:

LAVADO Y ESTERILIZACIÓN Y PREPARACIÓN DE MEDIOS	49.69	
<i>Rosa M^a Bravo</i>		
LAB. 10 CULTIVOS	54.71	
CULTIVO CÉLULAS ES	43.09	
LABORATORIO 15	45.08	
<i>Carmen San Martín</i>		54.50
LABORATORIO 16	45.52	
<i>Domingo Barber</i>		53.07

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