

13:30h. CIBER-BBN MANAGEMENT STRUCTURE:
Begoña Pérez,
General Manager CIBER-BBN

14:00h. LUNCH

15:00h. COFFEE & POSTER SESSION

I AFTERNOON

16:00h. INTRAMURAL RESEARCH PROGRAMME:
presentations of the intramural projects

BIOENGINEERING PROGRAMME:

Chairman: Jordi Aguiló, Coordinator of the Bioengineering and Biomedical Imaging Programme

- PROGLIO > Improving diagnosis, prognosis and therapy response in human glioma. Preclinical and translational studies. **Carles Artús**, U. Autónoma de Barcelona.
- RETINA > Development of new therapeutic approaches for retinal dystrophies. **Eduardo Fernández**, U. Miguel Hernández.
- INDI-MUSICA > Indexes obtained from computational models and multiscale multimodal biomedical signals for the diagnosis of cardiac pathologies. **Pablo Laguna**, U. de Zaragoza.
- NEW PROJECT: PERSONA > Personalized decision support for enhanced control in pervasive healthcare platforms. **Elena Hernando**, U. Politécnica de Madrid.
- NEW PROJECT: THEMIS > Image guided Therapies for Safer Minimally Invasive surgeries. **Enrique Gómez**, U. Politécnica de Madrid.

17.40h. CLOSING

D. Pablo Laguna Lasaosa,
Scientific Director CIBER-BBN

REGISTRATION & FURTHER INFORMATION
www.jornadasanualesciber-bbn.com

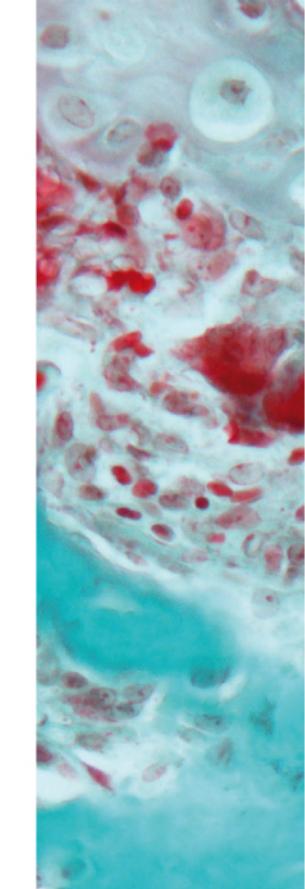
CONTACT

CIBER-BBN
Inés Ortega
iortega@ciber-bbn.es
Tlf: 659 311 499



CIBER-BBN

Campus Rio Ebro-Edificio I+D
Bloque 5, 1^a planta
C/ Poeta Mariano Esquilar s/n
50018 Zaragoza
Tlf.-Fax: 976 51 23 68
www.ciber-bbn.es



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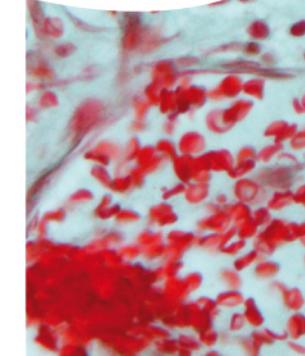
September

12th & 13th, 2011

LOCATION:

University of Zaragoza,
Campus Río Ebro.

Edificio Betancourt,
Salón de Actos





ANNUAL CONFERENCE CIBER-BBN • September 12th & 13th, 2011

12th SEPTEMBER

/ MORNING

9:15 h. REGISTRATION

10:00 h. OPENING SESSION

- D. Manuel López Pérez, Rector Universidad de Zaragoza
- D. José Jerónimo Navas Palacios, General Director of Instituto de Salud Carlos III
- D. Pablo Laguna Lasaosa, Scientific Director of CIBER-BBN

OPENING CONFERENCE

D. Octavi Quintana, Director of the European Research Area, European Commission

PRESENTATION OF THE RESEARCH INITIATION FELLOWSHIPS

D. Javier Pavía, Training Programme Coordinator

11:45h. COFFEE BREAK

12:10h. INTRAMURAL RESEARCH PROGRAMME:
presentations of the intramural projects

NANOMEDICINE PROGRAMME: (part 1)

Chairman: Pilar Marco, Coordinator of the Nanomedicine Programme.

- CELL-NANO THYROID > New orthotopic/ectopic nude mice model of human thyroid undifferentiated/anaplastic carcinoma: Useful tool for new cell-therapies, drug testing and validation in humans. **Eugenio Mato**, Hospital Sant Pau.
- NANOHYPERTERMIA > Development of new nanoparticles and protocols for enhanced hyperthermia. **José Javier Serrano**, U. Politécnica de Madrid.
- NAINBO > Nano-engineering inclusion bodies as new biomaterials for cell proliferation. **Inmaculada Ratera**, CSIC.
- NANOSTEMNESS > Targeted therapy to improve the treatment of advanced breast cancer. **Simó Schwartz**, Hospital Vall d'Hebron.
- LEUKEM-CHIP > Nanobiosensor platforms for prognosis and predictive detection of Acute Myeloid Leukemia. **Laura Lechuga**, CSIC.
- GLYCOHIV > Nanoparticles as new tools to fight HIV transmission. **Soledad Penadés**, CIC BiomaGUNE.

14:00h. LUNCH & COFFEE

Optional: guided visit to the research services of the groups NFP-INA and GEMM- I3A

/ AFTERNOON

16:00h. INTRAMURAL RESEARCH PROGRAMME:

presentations of the intramural projects

NANOMEDICINE PROGRAMME: (part 2)

Chairman: Simó Schwartz, Assistant Director & Technology Transference Coordinator

- OLIGOCODES > A universal diagnostic platform. **Pilar Marco**, CSIC.
- NANOXEN > Use of non-invasive techniques to control nervous functions in animal models. **Pau Gorostiza**, U. de Barcelona.
- NANOCOMETES > Development of nanoparticles as vehicles for the treatment of metastatic colorectal cancer. **Ramón Mangues**, Hospital Sant Pau.
- NANOMEDIAG > Nanobioanalytical platforms for improved medical diagnosis of infections caused by pathogen microorganisms. **Josep Samitier**, IBEC.

17:00h. COFFEE BREAK

17:20h. FLASH PRESENTATIONS BY JUNIOR GROUP MEMBERS

Chairman: Manuel Doblaré, Principal Investigator of GEMM-I3A group

19:20h. INTERNATIONALIZATION

Chairman: Jesús Santamaría, Coordinator of the Equipment Platform Programme

- Ibero-American Programme for Science, Technology and Development, CYTED. **Jordi Aguiló**, Scientific Coordinator
- European Foundation for Clinical Nanomedicine, CLINAM. **Beat Löffler**, CEO

DINNER*

*The buses will depart from the main entrance of the Betancourt building at the end of the conferences, approximately 8.30 p.m.

13th SEPTEMBER

/ MORNING

9:00 h. INTRAMURAL RESEARCH PROGRAMME:

presentations of the intramural projects

BIO MATERIALS PROGRAMME:

Chairman: José Becerra, Coordinator of the Biomaterials and Tissue Engineering Programme

- ES-CELLTHERAPY > New therapeutic strategy as vehicles for localized delivery of therapy to brain tumors. **Jerónimo Blanco**, CSIC.
- BIOPROTERIAL > Biological activity of matrix proteins at the cell-material interface. **Manuel Salmerón**, U. Politécnica de Valencia.
- ABDOMESH > Development and validation of a new prosthetic implant concept for the repair of abdominal wall defects. **Gemma Pascual**, U. de Alcalá de Henares.
- CELL-MECHANICS > Cell Mechanics: understanding mechanotransduction and cell-substrate interaction mechanisms. Applications in cell therapy and tissue engineering. **Nuria Viloba**, Hospital la Paz de Madrid.
- BIOGELANGIO > Extracellular matrices for angiogenic activation and anti-inflammatory activity in regenerative medicine. **Julio San Román**, CSIC.
- NACRE > New Approaches for Cartilage Regeneration. **Joana Cristina Silva Magalhães**, Complejo Hospitalario A Coruña.
- SCAFFTIDE > 3D scaffolds and functionalized implants for regenerative medicine. **Maria Vallet**, U. Complutense de Madrid.
- BIOSCAFF-EYE > Bio-engineered cell in ocular surface reconstruction for corneal blindness: from basic research to clinical trials. **Margarita Calonge**, U. de Valladolid.

11:40h. COFFEE BREAK

12:00h. HORIZONTAL PROGRAMMES

HORIZONTAL PROGRAMMES:

Chairman: Margarita Calonge, Translational Research Coordinator

PROJECTS OF THE TRANSLATIONAL RESEARCH PROGRAMME

- MUDIRES > Multimodal Diagnosis by Interpretation of Multiscale Signals in the Respiratory System. **Raimon Jane**, IBEC.
- NANORETINA > Nanoscaffolds for the re-implantation of detached retina. **José Javier Serrano**, U. Politécnica de Madrid.

PROJECTS OF THE INDUSTRIAL TRANSFER PROGRAMME

- GLAUCO > Non-invasive monitoring of intraocular pressure through a micronanotechnology based sensor contact lens. **Fernando Ussa Herrera**, IOBA-U. de Valladolid.
- NANOFABRY > Development of Nanomedicines for enzymatic replacement therapy in FABRY disease. **Ibáñez Abasolo**, Hospital Vall d'Hebron.

PROJECT OF THE EQUIPMENT PLATFORMS PROGRAMME

- VPHTK > Physiological Human Toolkit. **Alejandro Frangi**, U. Pompeu Fabra.

