

MONDAY, NOVEMBER 30TH

09.00	REGISTRATION
09.30	OPENING SESSION + INITIATION TO RESEARCH AWARDS Dña. Josefina Bueno Alonso, Il-Ima. Sra. Directora General d'Universitat, Investigació i Ciència, Generalitat Valenciana D. José Capilla Romá, Vice-Rector for Research, Innovation & Transfer, Universitat Politècnica de València Ramón Martínez Máñez, Scientific Director of CIBER-BBN
10.15	PLENARY SESSION 1: miRNA and Biomaterials for Musculoskeletal Regenerative Medicine. Martijn van Griensven, Ph.D. Department of Trauma Surgery, Klinikum Rechts der Isar. Technical University Munich. <i>Chairman: Julio San Román</i>
11.00	EUROPA REDES Y GESTORES Project. Internationalization Platform Cristina Rodríguez, CIBER-BBN, CIBERES, CIBERER <i>Chairman: Pablo Laguna</i>
11.30	COFFEE BREAK / POSTERS
12.00	INTRAMURAL PROJECTS (category Excellence) <i>Chairman: Jaume Veciana</i>
12.00	NANOHYPERThERMIA <i>Development of new nanoparticles and protocols for enhanced hyperthermia</i> José Javier Serrano Olmedo. Center for Biomedical Technology-Bioengineering and Telemedicine Group, UPM.
12.10	MAGNETO-NH IA <i>Multiplexed determination of pathogenic bacteria in sepsis by novel magneto-nanohollows immunoassay</i> Juan Pablo Salvador Vico. Nanobiotechnology for Diagnostics Group, CSIC
12.20	TBIO-GATE <i>New nanoparticles containing bio-gated scaffoldings for tuberculosis diagnosis</i> Elena Aznar Gimeno. Applied Molecular Chemistry Group of IDM, UPV.
12.30	MICROREN <i>Development of regenerative therapies for acute kidney injuries based on microfluidic devices filled with microencapsulated cells</i> Luis J. Fernández Ledesma. Group of Structural Mechanics and Materials Modeling, UZ.
12.40	DIAB-SUPPORT <i>Personalized Decision Support based on real-time monitoring of patients with type 1 diabetes</i> Carmen Pérez Gandía. Center for Biomedical Technology-Bioengineering and Telemedicine Group, UPM.
12.50	OLIGOCODES <i>A universal Diagnostic Platform Based On Oligonucleotide Codified Nanoparticles and DNA Microarray Sensor Devices</i> M ^a Pilar Marco Colás. Nanobiotechnology for Diagnostics Group, CSIC.
13.00	OPTOGEN <i>A wide spectrum of bioengineered devices tailored to complement and enhance optogenetic research with clinical implications</i> Lawrence Humphreys. Neuroprosthesis and Neuroengineering Research Group, UMH
13.10	GLYCOHIV-3 <i>Gold glyconanoparticles as nonviral platform for HIV vaccine candidates</i> Isabel García Martín. Biofunctional Nanomaterials Laboratory, CICbiomaGUNE

13.20	MOLGLIO <i>Molecular Imaging strategies for development of surrogate biomarkers of early therapy response/resistance detection in glioblastoma</i> Carles Arús Caraltó. Research Group in Biomedical Applications of Nuclear Magnetic Resonance, UAB.
13.30	MUDIRES-2PSD <i>Multimodal Diagnosis by Signal Interpretation of the Respiratory System oriented to Pulmonary Diseases and Sleep Disorders</i> Raimon Jané Campos. Biomedical Systems and Signals Research Group, IBEC
13.40	NANOXEN++ <i>Xenopus Tropicalis as a platform to test light-regulated drugs with applications in nanomedicine</i> Pau Gorostiza Langa. Nanomembrane Group, UB
13.50	NANOMETES <i>Drug nanconjugates and nanovesicles for the treatment of metastatic colorectal cancer</i> Ramón Mangues Bafalluy. Oncogenesis and Antitumour Drug Group, IIB SANT PAU
14.00	LUNCH / POSTERS
15.30	INTRAMURAL PROJECTS (category Excellence) <i>Chairman: Julio San Román</i>
15.30	E-LEUKEMIA <i>The nanoconductance of redox proteins of the respiratory chain and its physiopathological implication in leukemia</i> Pau Gorostiza Langa. Nanomembrane Group, UB
15.40	NAVISURG <i>Intelligent support and navigation assistance for safer image-guided surgery in pancreatic interventions</i> Borja Rodríguez Vila. Center for Biomedical Technology-Bioengineering and Telemedicine Group, UPM.
15.50	BIOMIMESH <i>New abdominal biomimetic prostheses to improve adaptation to host tissue properties. Application in hernia repair</i> Gemma Pascual González. Translational Research Group in Biomaterials and Tissue Engineering, UAH.
16.00	HOT-SCAFF <i>Plasmonic scaffolds for deliberate regulation of transgene expression in bone tissue engineering</i> Nuria Vilaboa Díaz. Research Group in Bone Physiopathology and Biomaterials, FIOBI-HULP.
16.10	NANOPROTHER <i>Cell-targeted nanomedicines base on therapeutic, protein-only nanoparticles</i> Antoni Villaverde Corrales. Nanobiotechnology Group, UAB.
16.20	COLOCOMB <i>Combinatory and targeted nanomedicines for the treatment of advanced colorectal cancer</i> Simó Schwartz Navarro. Drug Delivery and Targeting Group, VHIR.
16.30	NANO-OPHTHAL <i>New si-RNA-nanoparticle conjugates for the treatment of ocular surface inflammations</i> Santiago Sala Vergés. Molecular Nanoscience and Organic Materials Group, CSIC.

16.40	CP-SENS <i>Development of a biosensing diagnostic tool for the fast identification of infection by Pneumocystis</i> Anna Avinyó Andrés. Nucleic Acid Chemistry Group, CSIC.
16.50	BIOSURFACES <i>Biofunctionalization of titanium implant surfaces: protein conformation, osseointegration and antimicrobial activity</i> José Luis Gómez Ribelles. Biomaterials Centre, UPV.
17.00	PS VALVE <i>Patient-Specific image-based computational flow dynamic simulations for assessment of optimal biological aortic Valve replacement selection and delivery</i> Miguel Ángel Martínez Barca. Group of Structural Mechanics and Materials Modeling, UZ.
17.10	DYNAMIC-VASC <i>Dynamic Molecular Bio-Interfaces for Controlled Environments Towards Vascular Morphogenesis</i> Inma Ratera Bastardas. Molecular Nanoscience and Organic Materials Group, CSIC
17.20	TEA <i>New Therapeutic Approaches for Retinal Degenerative Diseases</i> Eduardo Fernández Jover. Neuroprosthesis and Neuroengineering Research Group, UMH
17.30	COFFEE BREAK / POSTERS
18.00	INTRAMURAL PROJECTS (category Excellence) <i>Chairman: Ramón Mangues</i>
18.00	B-CUBE <i>Microfluidic blood-brain barrier model for screening of novel pharmacological drugs</i> Rosa Villa Sanz. Biomonitoring Group, UAB
18.10	ULTRASSEN-4BIO-2MD <i>Characterization and evaluation of novel ultrasensitive piezoresistive all-organic sensors for biomedical signals applied to multimodal diagnosis</i> Raimon Jané Campos. Biomedical Systems and Signals Research Group, IBEC
18.20	ORDECA <i>Organic Radicals and Radical Dendrimers as Contrast Agents in Magnetic Resonance Imaging</i> José Vidal Gancedo. Molecular Nanoscience and Organic Materials Group, CSIC.
18.30	Presentaciones resultados I convocatoria CIBER-BBN, CIBERES y SEPAR <i>Chairman: Ramón Mangues</i>
18.30	NANOBIOSEPRES <i>Design and evaluation of a novel impedimetric immunosensor for the diagnosis of respiratory sepsis origin due to Pseudomonas aeruginosa</i> M ^a Pilar Marco Colás. Nanobiotechnology for Diagnostics Group, CSIC
18.40	AD4AD <i>Supervisory system to enhance patient adherence to Tuberculosis and other long-lasting treatments</i> Jordi Aguiló Llobet. Biomonitoring Group, UAB
19.10	BUS TO HOTEL
20.30	DINNER HOTEL BARCELÓ, Av. de França, 11, 46023 Valencia

TUESDAY DECEMBER, 1ST

09.00	PLENARY SESSION 2: Knowledge, Technology and Value in Health Juan Bigorra M.D, Ph.D. Director Strategy and Innovation Barcelona Global Health Institute Senior Advisor Innovation. University of Barcelona Clinic Hospital <i>Chairman: José Becerra</i>
09.40	NEW CIBER-BBN GROUP PRESENTATION <i>Chairman: Ramón Martínez Máñez</i>
10.00	NANBIOSIS PRESENTATION <i>Chairman: José Becerra</i>
10.40	GROUPS PRESENTATIONS / HIGHLIGHTS <i>Chairman: José Becerra</i>
10.40	<i>Towards a safe and non-invasive approach for the treatment of inherited retinal diseases</i> Gustavo Puras Ochoa. NANOBIOCCEL: Micro and Nano Technologies, Biomaterials and Cells Research Group, UPV/EHU
10.48	<i>Smart4NB: Smart nanoparticles for advanced therapy in pediatric neuroblastoma (CIBER-ECO project)</i> Alejandro Baeza García. Research Group in Intelligent Biomaterials, UCM
10.56	<i>Brain-connectivity-based biomarkers for the early detection of Alzheimer Disease</i> Francisco del Pozo Guerrero. Center for Biomedical Technology-Bioengineering and Telemedicine Group, UPM
11.04	<i>Effect of cell adhesion and surface stiffness on T cell activation using nanostructures</i> Judith Guasch Camell. Molecular Nanoscience and Organic Materials Group, CSIC
11.12	COFFE BREAK / POSTERS
11.45	GROUPS PRESENTATIONS / HIGHLIGHTS <i>Chairman: Raimon Jané</i>
11.45	<i>Prokaryotic protein nanocages based on human vaults: a new drug delivery system?</i> José Luis Corchero Nieto. Nanobiotechnology Group, UAB
11.53	<i>Nanobiosensors for deciphering gene regulation processes</i> M ^a Carmen Estévez Alberola. Nanobiosensors and Bioanalytical Applications Group (nanoB2A), ICN2
12.01	<i>Multifunctional polymeric nanoparticles as advanced delivery systems across the blood-brain barrier</i> Aurora Dols Pérez. Colloidal and Interface Chemistry Group, CSIC
12.09	<i>Silk-graphene-based biomaterials for tissue engineering</i> Rick Visser. Tissue Bioengineering and Regeneration Laboratory (LABRET), UMA
12.17	<i>New drug eluted stents for vascular applications. From the laboratory to the clinical application</i> Julio San Román del Barrio. Biomaterials Group, CSIC.

TUESDAY DECEMBER, 1ST

12.25	<i>Biomedical Engineering Group University of Seville: Translation to the Public Health System and Industry</i> Laura M ^a Roa Romero. Biomedical Engineering Research Group, US
12.33	<i>Integrated Project of Excellence derived from NanoMets Intramural Project</i> Ramón Mangués Bafalluy. Oncogenesis and Antitumour Drug Group, IIB SANT PAU
12.41	<i>Neurogenesis and vascularization of the damaged brain using a biomimetic scaffold</i> Elisabeth Engel López. Research Group in Biomaterials, Biomechanics and Tissue Engineering, IBEC
12.49	<i>Single molecule footprinting of nucleic acid drugs</i> Félix Ritort Farran. Small Biosystems Lab, UB
12.57	<i>Highlights grupo GEMM</i> Miguel Ángel Martínez Barca. Group of Structural Mechanics and Materials Modeling, UZ
13.05	<i>Null Diffusion Statistics for the Enrichment of Metabolomics Data</i> Álex Perera Lluna. Biomedical Systems and Signals Research Group, IBEC
13.15	YOUNG SCIENTIST FORUM ON BIOMATERIALS <i>Chairs: María Rosa Aguilar/ Joana Magalhaes/ Julio San Román</i>
13.15	CIBER-BBN YSF in Biomaterials Award
13.30	<i>Being successful in ERC Calls. The advantages of a Consolidator Grant</i> María Jesús Vicent. Polymer Therapeutics Lab. Centro de Investigación Príncipe Felipe
13.45	<i>Promotion of the Scientific, Technological and Innovative Culture in Biomedicine</i> Joana Magalhaes. Tissue Bioengineering and Cell Therapy Group, CHUAC, INIBIC
14.00	CLOSING
14.15	LUNCH
17.00	STEERING COMMITTEE & ADVISORY BOARDS MEETING
18:30	



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Centro de Investigación Biomédica en Red
Bioingeniería, Biomateriales y Nanomedicina



JORNADAS CIBER-BBN 2015
Valencia, 30 nov - 1 dic 2015

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