



*Workshop*  
**MATERIALS, METHODS AND TECHNOLOGIES  
FOR BIOMEDICAL APPLICATIONS**

*9 maggio 2017*  
*Campus 'A. Buzzati Traverso' del CNR di Monterotondo*

Ore 10:00 – 10:15 Introduzione alla giornata

Ore 10:15 – 10:30 Campisi Costantino – Istituto di Biostrutture e Bioimmagini (IBB)  
**“3D modelling and tissue regeneration”**

Ore 10:30 – 10:45 Rizzi Roberto – Istituto Biologia Cellulare e Neurobiologia (IBCN)  
**“Individual-specific tissues generation for regenerative medicine applications and new drug efficacy tests”**

Ore 10:45 – 11:00 Dediu Valentin Alek - Istituto per lo Studio dei Materiali Nanostrutturati (ISMN)  
**“Magnetic lab on chip - sensitive diagnostic tool for neurodegenerative diseases”**

Ore 11:00 – 11:15 Falchetti Maria Laura - Istituto Biologia Cellulare e Neurobiologia (IBCN)  
**“Mesenchymal stromal cells: tropism and tumor growth inhibition in a xenograft model of glioblastoma”**

Ore 11:15 – 11:30 Bombelli Cecilia – Istituto Metodologie Chimiche (IMC)  
**“Liposomes for drug delivery”**

Ore 11:30 – 11:45 Toffanin Stefano - Istituto per lo Studio dei Materiali Nanostrutturati (ISMN)  
**“Organic-based bioelectronic devices as transducing tools at the interface with the electrophysiological and biological environment”**

Ore 11:45 – 12:00 Raspa Marcello – Istituto Biologia Cellulare e Neurobiologia (IBCN)  
**“The INFRAFRONTIER – Research Infrastructure and the European Mouse Mutant Archive (EMMA)”**

Ore 12:00 – 12:15 Chiani Francesco – Istituto Biologia Cellulare e Neurobiologia (IBCN)  
**“New mouse model engineering from Monterotondo Mouse Production”**

Ore 12:15 – 13:00 Visita ai laboratori IBCN e alle facilities

Ore 13:00 – 14:40 Pranzo e **Poster Session**

Ore 14:45 – 15:00 Massari Roberto – Istituto di Biostrutture e Bioimmagini (IBB)

**“A novel SPECT for pre-clinical investigations on animal models”**

Ore 15:00 – 15:15 Cavallini Massimiliano - Istituto per lo Studio dei Materiali Nanostrutturati (ISMN)

**“A data-matrix approach for multiparameter monitoring of cell cultures”**

Ore 15:15 – 15:30 Mammano Fabio – Istituto Biologia Cellulare e Neurobiologia (IBCN)

**“An intravital microscopy platform for pre-clinical studies in animal models”**

Ore 15:30 – 15:45 Varvaro Gaspare - Istituto Struttura della Materia (ISM)

**“Mesoscale magnetic particles for biomedical applications”**

Ore 15:45 – 16:00 Orsini Tiziana – Istituto Biologia Cellulare e Neurobiologia (IBCN): **“Ex-vivo MicroCT imaging in animal models”**

Ore 16:00 – 16:15 Marco Brucale – Istituto per lo Studio dei Materiali Nanostrutturati (ISMN): **“Nanoscale mechanical and morphological investigation of biopolymers, nano-vesicles and amyloids by atomic force microscopy and spectroscopy”**

Ore 16:15 – 16:30 Mariani Francesca – Istituto Biologia Cellulare e Neurobiologia (IBCN)

**“Analysis of medicinal aromatic plants immune modulating properties in human macrophages”**

Ore 16:30 – 16:45 Giannino Donato - Istituto di Biologia e Biotecnologia Agraria (IBBA)

**“IBCN and IBBA at Monterotondo: a look at contact points and potential collaborations”**

Ore 16:45 – 17:00 Mussi Valentina – Istituto dei Sistemi Complessi (Tor Vergata)

**“The Tech4Bio Virtual Laboratory”**

Ore 17:00 – 17:30 Conclusioni e follow up

## **POSTERS\***

1. Mezzi Alessio – Istituto per lo Studio dei Materiali Nanostrutturati (ISMN)

**“Surface analysis techniques for biomaterials”**

2. Bystrenova Eva – Istituto per lo Studio dei Materiali Nanostrutturati (ISMN)

**“Amyloid forms and their influence to neural cell viability”**

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\* Dimensioni massime: 100 cm x 150 cm; Ubicazione: Edificio 4, pareti esterne dell'aula seminari e adiacenze

3. Scavizzi Ferdinando – Istituto Biologia Cellulare e Neurobiologia (IBCN)  
**Cryopreservation of mouse spermat -80°C. A new simple approach to maintaining Genetically Altered (GA) mouse lines without the use of liquid nitrogen (LN2)”**
4. Suber Lorenza – Istituto Struttura della Materia (ISM)  
**“Ag nanoparticles and Ag nanoclusters”**
5. Righini Guido – Istituto Struttura della Materia (ISM)  
**“Web 2.0 Technologies for dissemination of scientific results”**
6. Bellucci Alessandro – Istituto Struttura della Materia (ISM)  
**“CVD diamond detectors for radiotherapy dosimetry”**
7. Bolognesi Paola - Istituto Struttura della Materia (ISM)  
**“Biomolecules in gas-phase”**