UNIVERSITÀ DEGLI STUDI DI PALERMO

Dottorato di Ricerca in Biomedicina e Neuroscienze

Coordinatore: Prof. Felicia Farina

Sede Amministrativa: Dipartimento di Biomedicina Sperimentale e Neuroscienze Cliniche

AVVISO DI SEMINARIO

Lunedì 29 Settembre 2014, **ore 15:00**

Aula "E. Nesci", Sezione di Anatomia Umana

Dipartimento di Biomedicina Sperimentale e Neuroscienze Cliniche

Via del Vespro 129, Palermo

Maja Kosanović, PhD*

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GLYCANS AS BIOMARKERS

Abstract of the talk:

Glycosylation is one of the most common posttranslational modifications. Glycans are characterized by high structural diversity leading to broad spectrum of their physiological roles. To elucidate mechanisms and significance of glycans functions, we must first define their structures and their changes in different conditions i.e. we must decipher the 'sugar code'.

The lecture will cover general introduction in glycan structure and roles, approaches to their analysis, common changes in cancer as well as some specific results of our work regarding glycosylation of tumor markers of reproductive tract cancers.

Special emphasis will be put on glycosylation of extracellular vesicles along with explanation of the system we have established for analysis of their surface glycosylation supplemented with some of our results.

***Brief biosketch**

Dr Kosanović graduated with her PhD in Biological sciences form University of Belgrade in 2009. She works in Department of Immunochemistry and Glycobiology of INEP institute as a team member in National project: Structural heterogeneity and effects of complex carbohydrates (glycans) as key components of molecular recognition in biological systems (2011-2014).

Dr Kosanović is an active member of ISEV (International Society for extracellular vesicles) and Management committee member of COST Action 'ME-HaD' (European Network on Microvesicles and Exosomes in Health and Disease) in which she serves as a Coordinator for Early Stage Researchers Career Development.