

GENERACIJA 2020/21

JOSIPA CECIĆ VIDOŠ – Faculty of Science

Mechanism of hyaluronidase inhibition in model artificial media and in the extracellular matrix

IVAN CIGANEK - Faculty of Science

Investigation of intracellular routing of cationic and neutral formulations of mRNA therapeutics

KLARA CIK - Faculty of Science

Metabolomic approach to cold tolerance in flax (*Linum usitatissimum* L.)

KLARA ČULJAK - Faculty of Food Technology and Biotechnology

Involvement of DNA sensors in different types of skin injury

IVONA ČUPIĆ - Faculty of Food Technology and Biotechnology

Effect of OA689 on nicotinic acetylcholine receptors expressed on neurosecretory cells

ANA DUDAŠ - Faculty of Science

Mocos mouse as a model to understand the biological mechanisms underlying autism spectrum disorders

TEA LUKAČEVIĆ - Faculty of Food Technology and Biotechnology

Targeted imaging probes for Netrin-1 – a novel metastatic breast cancer biomarker: small molecules to liposomes

TEA MARTINIĆ CEZAR - Faculty of Food Technology and Biotechnology

Similar but different: Determining the mode of action and effects of pectin methylesterases (PME)

ANTE MIHALJEVIĆ – Faculty of Food Technology and Biotechnology

Characterization of a new AAV vector library obtained by rational shuffling

ANA NOVAK - Faculty of Food Technology and Biotechnology

Study the mechanism of action of a small chemical molecule targeting LINGO-1 as potential anti-tumor agent in glioblastoma

EDINA NUMANOVIĆ - Faculty of Food Technology and Biotechnology

Assembly and characterization of di-affibodies for cancer cell recognition and imaging

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VERONIKA BURŠIĆ – Faculty of Science

Study of neurofibromin sumoylation

DORIS FILIPOVIĆ - Faculty of Food Technology and Biotechnology

New cationic polymers with zinc chelating agents: Synthesis, Physicochemical characterization and mRNA transfection

IRIS GRGURINA - Faculty of Science

Molecular and cellular evaluations of plasticity in a mouse model of Dementia with Lewy Body (DLB)

LUCIJA IVANDIĆ - Faculty of Food Technology and Biotechnology

Design and production of novel class of mRNA synthetic oligonucleotides for cancer applications

NICOL KOLAR - Faculty of Science

New chemical and genetic screens for suppression of polygalacturonase (PGLR)-induced phenotypes

MARINELLA KRIŽANAC – Faculty of Science

Study of the downstream signalling of the serotonin 5-HT₇ receptor isoforms

PETRA MAJSEC - Faculty of Science

STAT3 immunotherapy and its application on triple negative breast cancer

LAURA MARINIĆ - Faculty of Food Technology and Biotechnology

Regulation of the urokinase-type plasminogen activator system in mammalian cell lines

ANTONIA PAIĆ - Faculty of Food Technology and Biotechnology

Changes and functions of cell wall pectins in the temperature induced growth in *Arabidopsis thaliana* state

ANJA PRIVARA - Faculty of Food Technology and Biotechnology

Intracellular transport of plasmid DNA in the nucleus of lung epithelial cells and skeletal muscle cells

MARTIN ŠTEKOVIĆ - Faculty of Food Technology and Biotechnology

Maximizing sequence coverage in top-down proteomics to characterize interaction of ligands with therapeutic target protein