

Poster code	Presenting author	Title of lecture	Accepted session
P-001	CSIZMADIA, Tamás	The role of autophagy in the developmentally programmed cell death in the <i>Drosophila</i> larval salivary gland	Apoptosis, Autophagy
P-002	Katalin Csanaky	The effect of pituitary adenylate cyclase-activating polypeptide (PACAP) on stress-and apoptosis-related proteins in normal mammary and breast cancer cell lines	Apoptosis, Autophagy
P-003	LŐRINCZ, Péter	The role of <i>Drosophila</i> Atg6 in receptor mediated endocytosis	Apoptosis, Autophagy
P-004	Lőw, Péter	Impaired proteasomal degradation enhances autophagy via hypoxia signaling in <i>Drosophila</i>	Apoptosis, Autophagy
P-005	SÁNDOR, Nikolett	Inhibition of autophagic cell death and radiosensitisation with silencing of TP53INP1 in human fibroblast cells	Apoptosis, Autophagy
P-006	Sándor, Zoltán	TGF- β signaling pathway and autophagy	Apoptosis, Autophagy
P-007	Skrapits, Katalin	The role of the GATA-type transcription factor serpent in the regulation of autophagy	Apoptosis, Autophagy
P-008	Széplaki, Szilvia	Ultrastructural changes during <i>Drosophila melanogaster</i> larval salivary gland degradation	Apoptosis, Autophagy
P-009	Takats, Szabolcs	Interaction of HOPS complex with Syntaxin17 is required for autophagosome clearance in <i>Drosophila</i>	Apoptosis, Autophagy
P-010	Tamás Maruzs	Generation and characterization of vps13a mutants in <i>Drosophila</i>	Apoptosis, Autophagy
P-011	Varga, Agnes	FIP200 promotes phagophore assembly at perilyosomal p62 aggregates by activation of Atg1 in <i>Drosophila</i>	Apoptosis, Autophagy
P-012	B TÓTH, Beáta	Characterization of primary cells derived from Human Umbilical	Cell cycle, Cell differentiation
P-013	BALAJTHY, Zoltán	The role of transglutaminase 2 (TGM2) in retinoic acid and arsenic trioxide induced differentiation program of acute promyelocytic	Cell cycle, Cell differentiation
P-014	Lukáts Ákos	Thyroid hormone dependent differentiation of M/L-cones in organotypic cultures of the rat and Syrian hamster retina	Cell cycle, Cell differentiation
P-015	ORSOLITS, Barbara	Prion proteins in differentiating and mature neural cells	Cell cycle, Cell differentiation
P-016	Szabó, Arnold	TRKB EXPRESSION ON THE DEVELOPING CONES OF THE RAT RETINA: MORPHOLOGICAL AND FUNCTIONAL ASPECTS	Cell cycle, Cell differentiation
P-017	Szabó, Klaudia	Immunocytochemical analysis of misplaced rod cells in the developing retina of rodent species	Cell cycle, Cell differentiation
P-018	Auber, Andor	Establishing experimental systems to prove the effect of magnetic field on plant growth	Developmental genetics
P-019	CSORDÁS, Gábor	Cell-autonomous and non-cell-autonomous hemocyte differentiation in <i>Drosophila melanogaster</i>	Developmental genetics
P-020	VERECZKEY, Attila	New molecular genetic diagnostic methods in preimplantation genetic diagnosis (PGD)	Developmental genetics
P-021	DORMÁN, György	DEVELOPMENT OF MT ASSAYS TO DISCOVER POTENTIAL 5HT6 ANTAGONISTS FROM FOCUSED LIBRARIES	Developmental genetics
P-022	Enikő Oláh	Limitation in usage of VIGS vectors in determination of function of endogenous genes in plants	Developmental genetics
P-023	Fári Karolina	Studying the function of the secretory pathway during germ cell	Developmental genetics
P-024	GOMBOS, Rita	The <i>Drosophila</i> formin dDAAM is required for axon growth in the developing mushroom body	Developmental genetics
P-025	Grézal Gábor	The RNA cap modifier Trimethylguanosine synthase (TGS1) is required for <i>Drosophila</i> oogenesis	Developmental genetics
P-026	HENN, László	RNAi based screen revealed the roles of fascetto and mei-P26 genes in <i>Drosophila</i> germ line development	Developmental genetics
P-027	HONTI, Viktor	Structural and functional analysis of the sessile tissue in <i>Drosophila melanogaster</i>	Developmental genetics
P-028	Kiss Brigitta	Selective elimination and RNAi silencing of FMRFa-related peptides and their receptors in the CNS decrease the locomotor activity in <i>Drosophila melanogaster</i>	Developmental genetics
P-029	Maróy Péter	mld/DTS-3 gene is zygotically and regulates ecdysone production of	Developmental genetics
P-030	Migh Ede	Identification of the molecular interaction partners of the formin	Developmental genetics
P-031	SZIKORA, Szilárd	Impact of <i>Drosophila</i> DAAM on larval locomotion and body wall muscle structure	Developmental genetics
P-032	Vedelek Viktor	Regulation of germ cell development and function	Developmental genetics
P-033	BALOGH, David	A new mechanism for the human PCNA ubiquitylation	DNA repair
P-034	Burkovics, Peter	Rad51 independent D-loop formation in humans	DNA repair
P-035	Juhász Szilvia	C1orf124 a new regulator of the PCNA ubiquitylation	DNA repair
P-036	Mónika Mórocz	Detection of presence and removal of interstrand cross links during postreplication repair in human cells by reverse bromodeoxyuridine (BrdU) comet assay	DNA repair
P-037	Pintér, Lajos	Possible roles of damage bypass genes in interstrand cross-link	DNA repair
P-038	Scheer, Ildiko	Uracil containing DNA in Holometabola insects	DNA repair
P-039	Flora Szeri	<i>Drosophila</i> long ABCC protein, DMRP, gives insight to unique intramolecular domain interactions of ABCC proteins	Membrane, Transport, Trafficking
P-040	Fodor Tamás	The role of PARP10 enzyme in the mitochondrial metabolism	Membrane, Transport, Trafficking
P-041	Katz, Sándor	Inflammation induced epithelial-to-mesenchymal transition: how the mesothelial cells gain a migratory character	Membrane, Transport, Trafficking

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P-042	KENESEI, Kata	Detection of fluorescent nanoparticles in biological material by fluorescence spectrum analysis	Membrane, Transport, Trafficking
P-043	Nazamin Houshmand	Dynamic compartmentalization of the Kv 4.x channels, HMGB1 and SAP97 altered during stress effects	Membrane, Transport, Trafficking
P-044	PAHOLCSEK, Melinda	FROM PROCARYOTES THROUGH HORIZONTAL GENE TRANSFER TO ASPERGILLOSIS	Membrane, Transport, Trafficking
P-045	Pomozsi, Viola	Investigation of missense disease-causing mutations of ABCG6 in vitro and in vivo	Membrane, Transport, Trafficking
P-046	Telbisz, Agnes	Influence of the lipid environment on the activity of the human ABCG2 multidrug transporter purified and reconstituted in	Membrane, Transport, Trafficking
P-047	VODICSKA, Barbara	A membrane protein in the nucleus	Membrane, Transport, Trafficking
P-048	Dombrádi, Viktor	Protein phosphatase Z is involved in the oxidative stress response	Microbial genetics
P-049	DRASKOVITS, Gábor	Lower maintenance energy requirement of streamlined-genome E. coli comes at the expense of reduced adaptation capability	Microbial genetics
P-050	KARCAGI, Ildikó	The Janus-face of prophages in the E. coli BL21 strain	Microbial genetics
P-051	László N. Csonka	A Surprising Role for Mg ²⁺ Transport in the Regulation of Thermotolerance in Salmonella	Microbial genetics
P-052	MÉHI Orsolya Katinka	Suppression of oxidative mutagenesis inhibits the evolution of antibiotic resistance in mutator bacteria	Microbial genetics
P-053	OLASZ, Ferenc	Orientation effect in the transposition of IS30 – role of subterminal sequences	Microbial genetics
P-054	VERNYIK, Viktor	Generation of genetic diversity is the primary function of the inducible DNA-polymerases in E. coli	Microbial genetics
P-055	Boros Imre	Effect of metal nanoparticles on the expression and activity of MMPs and on the viability of tumor cells	Molecular mechanism of diseases
P-056	GALLYAS, Ferenc	Inflammatory processes in amiodarone induced cytotoxicity	Molecular mechanism of diseases
P-057	GARAMI, Andras	Knocking out the transient receptor potential vanilloid-1 (TRPV1) gene promotes the development of age-related obesity in mice: an insight into mechanisms	Molecular mechanism of diseases
P-058	KISS, Márton, VALKONYNÉ KELEMEN, Ildikó	An Animal Model for Novel Human Diseases Associated with Mutations of Type IV collagen COL4A1 and COL4A2	Molecular mechanism of diseases
P-059	KISS, Tímea	The role of osteopontin expression in melanoma progression	Molecular mechanism of diseases
P-060	KOROKNAI, Viktória	Investigation of molecular alterations associated with the invasion of melanoma cell lines	Molecular mechanism of diseases
P-061	KUN, József	The presence and estrogen-mediated upregulation of the TRPV1 receptor in rat endometrium	Molecular mechanism of diseases
P-062	MOLNÁR, Kinga	OLIGOMER-SPECIFIC ALPHA-SYNUCLEIN ANTIBODY REVEALS NEW INSIGHTS INTO MOLECULAR CELL PATHOLOGY OF PARKINSON'S DISEASE AND OTHER SYNUCLEINOPATHIES	Molecular mechanism of diseases
P-063	Pós, Veronika	PR-type glucanases as part of the defence against leaf rust in near-isogenic wheat lines carrying different resistance genes	Molecular mechanism of diseases
P-064	PUSKA, Gina	THE ROLE OF THE GPI-ANCHOR AND GLIAL CELLS IN THE PATHOGENESIS OF PRION DISORDERS	Molecular mechanism of diseases
P-065	SIMON-VECSEI, Zsófia	Identification of „early” celiac epitopes utilizing recombinant transglutaminases from different protein expression systems	Molecular mechanism of diseases
P-066	Sivadó Éva	Investigation of the effects of coeliac minibodies on transglutaminase activity and epitope mapping studies	Molecular mechanism of diseases
P-067	SZUNGYI, Dóra	Activation of HSP72, HSP90alpha and Heat Shock Factor-1 in oxidative stress by BGP-15, a new type of insulin sensitizer	Molecular mechanism of diseases
P-068	UJHÁZI, Boglárka	Live imaging of adhesion complexes handling in coeliac and normal	Molecular mechanism of diseases
P-069	VÍZKELETI, Laura	Combined gene copy number and gene expression profiling of matched primary and metastatic melanomas	Molecular mechanism of diseases
P-070	GYURIS, Tibor	Exome and Custom Enrichment Target Sequencing to Maximize the Efficiency of Next Generation Sequencing	Molecular mechanism of diseases
P-071	ELVAN ERGULEN	DNAJ as interacting partner of human transglutaminase 2	Other
P-072	ISKI, Gergely	Spectinomycin resistance as chloroplast marker in alfalfa	Other
P-073	JUHOS, Szilveszter	Next-Generation Sequencing and HLA-typing: Method Validation Using 1000 Genomes Public Samples	Other
P-074	KOVÁCS, László	ISOLATION AND CHARACTERIZATION OF PROMOTERS OF GENES INVOLVED IN POLYAMINE METABOLISM IN STRAWBERRY	Other
P-075	KOVÁCS, Levente	The role of USP5 in the regulation of apoptosis in Drosophila	Other
P-076	Matúz Krisztina	Kinetic characterization of Human T-cell lymphoma virus type 3	Other
P-077	MOLNAR, David	Spatiotemporal expression of microglia related antigens in the developing chicken central nervous system	Other
P-078	Oláh, Boglárka	Exploiting the European Medicago truncatula Tnt1 insertional mutant collection	Other
P-079	Pesti, Réka	CHLOROPLAST POLYMORPHISM IN CULTIVATED ALFALFA	Other
P-080	SZÁNTÓ-EGÉSZ, Réka	VALIDATION OF MANGALICA SPECIFIC DIAGNOSTIC REAL-TIME PCR METHOD IN A INTERNATIONAL RING TRIAL	Other

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P-081	THANGARAJU, Kiruphagaran	Transglutaminase variants in large human population	Other
P-082	BOZÓKI, Beáta	Recombinant mutagenized fusion protein substrates of alphavirus proteases	Protein structure and function
P-083	BOZSÓKI, Zoltán	Homologs of Medicago truncatula symbiotic proteins in plants	Protein structure and function
P-084	BUHALA, Andrea	Structural analysis of the human TRPV1 channel	Protein structure and function
P-085	DEMENY, Mate	Exploring the conformation and activity of transglutaminases by fluorescence resonance energy transfer.	Protein structure and function
P-086	FEKETE, Anna	Tyrosine phosphorylation-induced structural and functional changes of SH3 domains	Protein structure and function
P-087	Gyurkó M. Dávid	A role for RasGAPs in associative learning and memory in C.	Protein structure and function
P-088	Hegedus, Krisztina	The selective autophagy cargo p62 facilitates autophagosome formation by binding multiple Atg proteins in Drosophila	Protein structure and function
P-089	János Mótyán	Studies on the full-length human NOD-like receptor family CARD domain containing 5 (NLRC5) protein	Protein structure and function
P-090	Kereszturi, Éva	Intracellular localization of Ncb5or oxidoreductase enzyme	Protein structure and function
P-091	KIRÁLY, Róbert	Characterisation of isopeptidase activity of transglutaminase 2	Protein structure and function
P-092	KOZMA, Dániel	PDBTM: Protein Data Bank of transmembrane proteins after 8	Protein structure and function
P-093	Mohamed Mahdi	Studies on the HIV-2 protease as a chemotherapeutic target	Protein structure and function
P-094	NAGY, Szilvia Krisztina	Putative activation mechanism of a plant specific MAPK	Protein structure and function
P-095	Stier Ildikó	Cytosine-to-uracil deamination by Sssl DNA methyltransferase	Protein structure and function
P-096	TÓTH, Boglárka	LIPOMA-PREFERRED PARTNER PROTEIN (LPP), A GENETIC MARKER FOR COELIAC DISEASE PREDISPOSITION IS INTERACTING WITH TRANSGLUTAMINASE 2	Protein structure and function
P-097	VIDA, István	Examination of nucleic acid binding of the newest prion protein, Shadoo, using Agarose Gel Shift Assay	Protein structure and function
P-098	Zámbó Veronika	Investigation on the putative role of Ncb5or redox enzyme in lipid desaturation using in vitro translation and reconstitution in proteoliposomes	Protein structure and function
P-099	Bódi Zoltán	Phenotypic heterogeneity provides adaptive advantage under high selective pressure	Regulation of gene expression, Epigenetics
P-100	BORSOS, Barbara Nikolett	Histone acetylation by ATAC complex regulates steroid hormone biosynthesis	Regulation of gene expression, Epigenetics
P-101	Buzás-Bereczki Orsolya	The function and use of the H4 replacement gene (H4r) of Drosophila melanogaster	Regulation of gene expression, Epigenetics
P-102	Dávid Jónás	HOW DEEP IS YOUR DEEP SEQUENCING? – A MATHEMATICAL APPROACH FOR THE CHARACTERIZATION OF SAMPLE BEHAVIOUR	Regulation of gene expression, Epigenetics
P-103	ECSEDI, Szilvia	Transpositional hypomethylation and local demethylation of primary melanomas are associated with copy number loss of DNMT1 and unfavourable clinical outcome	Regulation of gene expression, Epigenetics
P-104	HEGEDÜS, Éva	Mapping the arrangement of nicks and R-loops at the rDNA locus of Saccharomyces cerevisiae	Regulation of gene expression, Epigenetics
P-105	HOFFMANN Orsolya Ivett	In vivo validation of candidate cattle regulatory SNPs in indicator transgenic mouse models	Regulation of gene expression, Epigenetics
P-106	KOVÁCS, Dávid	The role of acetylation in the regulation of SF-1 and steroid conversion	Regulation of gene expression, Epigenetics
P-107	KRISTO, Ildiko	Nuclear function for the actin binding cytoskeletal protein, Moesin	Regulation of gene expression, Epigenetics
P-108	László Imre	Nucleosome-DNA cohesion is highly sensitive to certain H3 modifications and to superhelical twist	Regulation of gene expression, Epigenetics
P-109	Nóra Zsindely	Functional characterization and gene expression profiling of Drosophila melanogaster short dADA2b isoform-containing dSAGA	Regulation of gene expression, Epigenetics
P-110	OZGYIN, Lilla	ChIP experiments with spike controls	Regulation of gene expression, Epigenetics
P-111	PÁHI Zoltán Gábor	TAF10 proteins indicate structural and functional links between histone acetyltransferase and basal transcription factor complexes	Regulation of gene expression, Epigenetics
P-112	SIKE, Ádám	Expression of ABCB1 transporters is regulated by several different mechanisms in drug resistant rat hepatoma cells	Regulation of gene expression, Epigenetics
P-113	Szántó András	Effects of histone post-translational modifications at the level of chromatin loops and chromosomes	Regulation of gene expression, Epigenetics
P-114	TAISZ, István	HSF-2 is a novel heat shock factor ortholog in C. elegans	Regulation of gene expression, Epigenetics
P-115	Újfaludi, Zsuzsanna	UVB and inhibition of histone de-acetylation result in superinduction of MMP genes in human keratinocytes	Regulation of gene expression, Epigenetics
P-116	Ágyi Ákos	Role of miRNAs in Arabidopsis thaliana seed and fruit development	Regulatory RNAs
P-117	GYONGYOSI, Adrienn	A Versatile Method to Design Stem-Loop Primer-Based Quantitative PCR Assays for Detecting Small Regulatory RNA	Regulatory RNAs
P-118	KIS, András	ARTIFICIAL MIRNA-MEDIATED VIRUS RESISTANCE IN BARLEY	Regulatory RNAs
P-119	Ádám, Csaba	Frank-ter Haar syndrome PX domain mutant protein shows aberrant intracellular expression and forms aggresome	Signaling, Cell-cell communication

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P-120	BAKSA, Attila	Interaction of lysophosphatidic acid with PH domains	Signaling, Cell-cell communication
P-121	Fekete Rebeka	Calcium homeostasis and purinerg modulation in the supporting cells of the organ of Corti	Signaling, Cell-cell communication
P-122	Kátai, Emese	Dynamic O-GlcNAc modification on various neuronal stress-models	Signaling, Cell-cell communication
P-123	KERESZTESZY, Zsolt	CUSTOM CYTOKINE PRODUCTION SERVICES DEVELOPMENT OF A RESEARCH CYTOKINE PRODUCTION PIPELINE	Signaling, Cell-cell communication
P-124	NGUYEN, Minh Tu	Hsp90 chaperones PPAR γ and regulates differentiation and survival of 3T3-L1 adipocytes	Signaling, Cell-cell communication
P-125	PUSZTAI, Szilvia Anna	Caskin1-mediated postsynaptic effects on the dendritic spines of hippocampal neurons	Signaling, Cell-cell communication
P-126	SOMOGYVÁRI, Milán	Hsp90 is a regulator of the FOXO3 forkhead transcription factor	Signaling, Cell-cell communication
P-127	Tárnok, Krisztián	The role of protein kinase D activation in response to oxidative stress-induced neuronal cell death	Signaling, Cell-cell communication
P-128	BARAD, Csilla	Gut epithelium derived sonic hedgehog regulates the extracellular matrix during formation of the intestinal nervous system	Stem cell
P-129	BENCSEK, Renáta	Monitoring the mCherry and GFP expression in inducible embryonic stem cell lines and in embryonic stem cell derived blood	Stem cell
P-130	BODI, Ildikó	Development of Type II pneumocytes in the chicken's lung	Stem cell
P-131	Botó Pál	Induction of three DC specific transcription factors on embryonic stem cell-derived blood progenitors	Stem cell
P-132	Buchan Gyöngyi	Investigation of the role of tissue transglutaminase in human mesenchymal stem cells	Stem cell
P-133	DÓRA, Dávid	Developmental mapping of CD45+ cells in early avian embryo	Stem cell
P-134	Elen Gócza	microRNAs in rabbit preimplantation embryos and embryonic stem-like cells	Stem cell
P-135	Erika Takács	Comparison the gene expression pattern of macrophage and dendritic cell specific transcription factors in mouse embryonic stem cells- and bone marrow- derived dendritic cells	Stem cell
P-136	FEJSZÁK, Nóra	7H3 is a novel bursal stem cell antigen	Stem cell
P-137	HEGYI, Beáta	Anti-inflammatory effects of mouse mesenchymal stem cells on	Stem cell
P-138	JÁDY, Attila	Metabolic changes during differentiation of neural stem cells	Stem cell
P-139	Katona, Ágnes	Clinical and scientific aspects of the future therapeutic use of mesenchymal stem cells in the field of physiotherapy	Stem cell
P-140	MATULA, Zsolt	Establishment of an in vitro model of synovial sarcoma oncogenesis in mesenchymal stem cells	Stem cell
P-141	NAGY, Nándor	Expression and function of tenascin-C during colorectal enteric nervous system development	Stem cell
P-142	Németh Kinga	Validation of rabbit microRNA sequences identified by Solid	Stem cell
P-143	Pilling Márk	Embryoid body and OP9 co-culture: two ways of blood cell development from embryonic stem cell	Stem cell
P-144	Szepesi, Áron	Expression of pluripotency markers may identify a therapeutically superior subpopulation of mesenchymal stem cells	Stem cell
P-145	TÓTH, Anna	A possible new recipe for cell and gene therapy: induced pluripotent stem cells combined with artificial chromosomes	Stem cell
P-146	Török György	Generation and characterization of a cell type-specific selective marker for isolation of hepatocyte-like cells from stem cell derived	Stem cell
P-147	Varga A	Effects of pituitary adenylate cyclase activating polypeptide on spermatogenesis	Stem cell
P-148	Daniel V. Veres	ComPPI: compartmentalized protein-protein interaction database	Systems biology
P-149	Dorottya Kalapis	Rapid compensatory adaptation following gene loss in <i>Saccharomyces cerevisiae</i>	Systems biology
P-150	Kintses Balint	Directed evolution of antimicrobial peptides to investigate resistance mechanisms	Systems biology
P-151	Kovács Károly	Is transcriptional reprogramming following gene deletion adaptive in yeast?	Systems biology
P-152	Kubisch János	Cross-talk matrices: a novel approach to examine network level expression changes during colon tumorigenesis	Systems biology
P-153	LU, Yang	Learning as a network level phenomenon and its implications in biological networks	Systems biology
P-154	Módos, Dezső	Integrated analysis of signaling networks in colon tumorigenesis pointed out the importance of first neighbors of cancer-related	Systems biology
P-155	SZALAY, Kristóf	Applications of Turbine: Designing interventions in metabolic	Systems biology
P-156	Szamecz Béla	Size does matter – a comprehensive method for high-throughput colony size measurement	Systems biology
P-157	Szappanos Balázs	Network-level reconstruction of the 'underground' metabolism of <i>Escherichia coli</i>	Systems biology