Programme

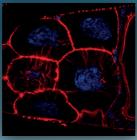
Hungarian Molecular Life Sciences 2021

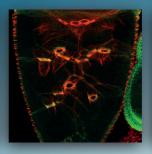
5-7 November 2021 Eger, Hungary

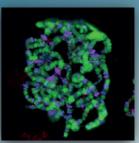
















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GENERAL INFORMATION

CONFERENCE ORGANISERS

Magyar Biokémiai Egyesület (Hungarian Biochemical Society) Magyar Genetikusok Egyesülete (Hungarian Genetics Society)

ORGANISING COMMITTEE

László Buday, Miklós Erdélyi, Beáta Lontay, József Mihály, Rita Sinka, László Virág

Institute of Enzymology, Research Centre for Natural Sciences of the Hungarian Academy of Sciences Magyar tudósok körútja 2., Budapest H-1117 http://www.ttk.hu/ei/en/

Institute of Genetics, Biological Research Centre Temesvári krt. 62., Szeged H-6726 http://u-szeged.hu/

Department of Medical Chemistry, University of Debrecen Egyetem tér 1., Debrecen H-4032 https://chemistry.med.unideb.hu/en

Department of Genetics, University of Szeged Középfasor 52, Szeged H- 6726 https://u-szeged.hu/



TECHNICAL ORGANISERS

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https://www.diamond-congress.hu/

WEBSITE OF THE CONFERENCE

https://www.hunlifesci.hu

WEBSITE OF THE HUNGARIAN BIOCHEMICAL SOCIETY

http://www.mbkegy.hu

WEBSITE OF THE HUNGARIAN GENETICS SOCIETY

http://www.magenegy.hu/hu/

VENUE

Hotel Eger-Park

3300 Eger

Szálloda utca 1-3.

Tel.: +36-36/522-200

OPENING HOURS OF THE REGISTRATION

Friday, 5 November, 2021 - 12.00 - 18.00 Saturday, 6 November, 2021 08.30 - 18.00 Sunday, 7 November, 2021 08.30 - 13.30

ONSITE CONTACT NUMBERS

Éles-Etele Nóra / Varga Attila

+36/70-9438-543, +36/20-936-2969

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OFFICIAL LANGUAGE

Official language of the Conference is English (no translation is available).



Registration fee (incl. VAT)	Payment till 15 September	Payment after 15 September
Registration fee for industrial participants	80.000 Ft	85.000 Ft
Registration fee for senior researchers*	75.000 Ft	80.000 Ft
Registration fee for junior researchers**	56.000 Ft	64.000 Ft
Registration fee for exhibitors	51.000 Ft	51.000 Ft
Registration fee for accompanying persons	40.000 Ft	40.000 Ft

^{*}Only for participants with academic background

Registration fees include admission to the scientific sessions, conference materials, admission to the exhibition, welcome reception, banquet dinner, coffee breaks, lunches.

Accompanying persons' registration fee and exhibitor's registration fee is not valid for admission to the scientific part of the Conference, and these fees do not include conference materials, only meals and social events.

ORAL PRESENTATIONS (PL-1 - PL-4, O-01 - O-64)

The schedule of the oral presentations can be seen in the detailed programme of this booklet. Speakers and session chairs are kindly requested to keep the time of the presentations. Make sure to bring your presentation file written on a USB flash drive. Presenters are kindly requested to give their presentation file to the technicians in the lecture rooms preferably half day before beginning of the corresponding session.

Oral presentations: Congress Hall, Session Room Liget I.

POSTER PRESENTATIONS (P-001 - P-191)

Poster presenters of **ODD poster numbers** are kindly requested to mount their posters **before** the opening of the conference (or latest during the coffee break in the afternoon) and remove them on Saturday /6 November/ till 11:00 the latest (during the coffee break), to enable the authors of the next poster session to mount their posters in time.

Poster presenters of **EVEN poster numbers** are kindly requested to mount their posters on Saturday /6 November/ from 13:30 **before** the afternoon session starts and remove them latest at lunch time on Sunday /7 November/.

Posters will be identified by poster numbers, which are indicated in the program booklet and in the conference application.

For mounting and removing the posters, please take it into consideration, that there will be oral presentations in the room! Please use the breaks for these actions. Also please use the poster sessions and breaks for discussions.

^{**}Junior researcher: Ph.D. and university student, or researcher under 30;



Poster sessions: Room Liget I. and Liget corridor

Pins are to be provided to fix the posters by the technical organisers.

Authors of ODD number posters will present their work between 20:15-22:00 on Friday, 5 November. Authors of EVEN number posters will present their work between 16:45-19:00 on Saturday, 6 November.

EXHIBITON

In accordance with the conventions of the conference, parallel to the scientific sessions a professional exhibition is to be organised. Please have a look at the exhibition floor plan of the booklet.

ACCOMMODATION

Hotel rooms are booked under the name of the participants. Conference participants may occupy the rooms from 14:00 on the day of arrival and should arrange the check out until 10:00. The hotel ensures a luggage room. The guarded parking lot of the hotel is available for our participants free of charge. Guests are kindly requested to settle their extra room bills (such as phone calls, drinks and minibar) prior to departure.

The room prices include buffet breakfast, VAT, city tax and the usage of wellness facilities (pools, jacuzzi, sauna park and steam bath).

SOCIAL PROGRAMMES (incl. in the registration fees)

Friday, **5 November, 2021**Welcome dinner (Restaurant of Hotel Park)
Saturday, **6 November, 2021**Banquet (Congress Hall of Hotel Eger)
Saturday & Sunday, **6-7 November, 2021**Lunches (Restaurant of Hotel Park)

Friday - Sunday, **5-7 November, 2021** Coffee breaks (Conference level of Hotel Eger)

(indicated in the programme)

All participants and accompanying persons will receive a personal badge upon registration. You are kindly requested to wear your name badge when attending the meetings or social events.

Extra consumption, which is not included in the menus are kindly requested to settle prior to departure.

CANCELLATION POLICY

Cancellations on registration and hotel reservation can be made only in writing. The refund for cancellations made prior to 5 October, 2021 is 85%. After this date the conference secretariat has to pay the advanced payments to the hotel, and there is no way to refund in case of latter cancellation.

PAYMENT, INVOICES

The price of the ordered services will be indicated on the final invoice according to the Hungarian official financial rules. Official final invoices and receipts for fees paid by the participants are sent by email right after the payment arrives to our bank account. Please forward them to the financial department of your institution.

LIABILITY AND INSURANCE

The organisers cannot accept liability for any personal accidents, loss of belongings or damage to private property of participants and accompanying persons that may occur during the conference.

EVENT APPLICATION AND QR CODE HUNTING

The conference is supported by SmartEvents© mobile application. Using the application is free and voluntary for all registered delegates and the content used therein is accessible only for 'Hungarian Molecular Life Science Conference 2021' participants. The application helps the delegates to find all information regarding the event, manage the daily agenda, download materials, communicate with all the other participants on the event and more.

We offer the conference delegates a fantastic QR CODE HUNTING game. After downloading the event application participants can visit the exhibitors and scan the individual exhibitor's QR code with their mobile device. Everybody who has visited at least 12 exhibitors, will automatically be entered to win a PRIZE! Valuable prizes will be drawn during the Gala dinner /6 November/, so make sure to scan the codes till the dinner.

PROTEOMICS CLINIQUE

Do you have questions related to proteomics? Are you unsure which method to choose or how to submit a sample? If you would you like to get first-hand information from specialists, come and visit the Proteomics Clinique. At our booth, we would like to give researchers and students a possibility to ask questions about the complete proteomics analysis workflow starting from experimental design, method selection, sample preparation, sample submission to data analysis and data interpretation during Poster sessions in Room Liget I. Experienced researchers working at the proteomics core facilities in Szeged and Debrecen will answer the questions and will give tips on how you can get out more from your proteomics analyses.



Day 1 - Friday, 5 November 2021

14:00 Opening

Plenary session / Congress Hall

Chair: József Mihály

14:10 PL-1 Development of a recombinant ACE2-Fc fusion protein as a

potential drug against SARS-CoV-2

Imre Kacskovics

14:45 PL-2 Unexpected functions of the actin cytoskeleton in meiotic

divisions of oocytes

Evelin Major, Ferenc Győry, Dániel Horváth, Ilka Keller, István Tamás,

Karen Uray, Péter Fülöp, Beáta Lontay

Bioscience awards talk / Congress Hall

15:20 BA Correlation of homologous recombination deficiency induced

mutational signatures with sensitivity to PARP inhibitors and

cytotoxic agents

Ádám Póti

Company talks / Congress Hall

15:45 Overview of recent advances in optical sectioning microcopy at

Carl Zeiss

7eiss

Chris Power (Carl Zeiss, Cambridge, United Kingdom)

16:00 How to build a streamlined, easy scalable and multi-functional

DNA & RNA NGS Library prep pipeline

Kvalitex

Kristin Schnettler (NEW ENGLAND BIOLABS)

16:15 Coffee break



Day 1 -	Day 1 – Friday, 5 November 2021			
	Molecular mechanism of diseases I./ Congress Hall Chair: Zsuzsa Szondy			
17:00	O-01	PiggyBac Transposable Element-derived 1, unique to mammals, controls Neuronal Progenitor Identity, Stress Sensing and mammal-specific paraspeckles Tamás Raskó, Amit Pande, Kathrin Radscheit, Annika Zink, Manvendra Singh, Christian Sommer, Gerda Wachtl, Orsolya Kolacsek, Gizem Inak, Attila Szvetnik, Spyros Petrakis, Mario Bunse, Vikas Bansal, Matthias Selbach, Tamás I. Orbán, Alessandro Prigione, Laurence D. Hurst, Zsuzsanna Izsvák		
17:20	0-02	Defective binding of SPINK1 variants is an uncommon mechanism for impaired trypsin inhibition in chronic pancreatitis András Szabó, Vanda Toldi, Lívia Diána Gazda, Alexandra Demcsák, Nataly Morales Granda, József Tőzsér, Miklós Sahin-Tóth		
17:35	O-03	The pathogenic p.R391G ABCC6 displays incomplete penetrance implying the necessity of an interacting partner for the development of pseudoxanthoma elasticum Flora Szeri, Agnes Miko, Nastassia Navasiolava, Ambrus Kaposi, Shana Verschuere, Qiaoli Li, Sharon F. Terry, Federica Boraldi, Jouni Uitto, Koen van de Wetering, Ludovic Martin, Daniela Quaglino, Olivier M. Vanakker, Kalman Tory, Tamas Aranyi		
17:50	O-04	IFITM1 expression determines extracellular vesicle uptake in colorectal cancer <u>Andrea Kelemen</u> , Carmi Idan, Zoltán Wiener		
18:05	O-05	Epistasis, aneuploidy, and functional mutations underlie the evolution of resistance to induced microtubule depolymerization Mattia Pavani, Paolo Bonaiuti, Elena Chiroli, Fridolin Gross, Adam Poti, Sebastiano Pasqualato, Zoltan Farkas, Giulia Rancati, David Szuts, Andrea Ciliberto		
18:20	O-06	WNT activity and cell proliferation are coupled to extracellular vesicle release in lung cancer organoid models Gyöngyvér Orsolya Sándor, András Áron Soós, Judit Moldvay, Zoltán Wiener		
18:45		Welcome dinner		
20:15		Poster discussion with drinks - ODD number posters Proteomics Clinique		



Day 1 – Friday, 5 November 2021

Protein structure & function / Room Liget I.

Chair: Lo	ászló Nyiti	rai
17:00	O-07	Novel perspectives of target-binding by the evolutionarily conserved PP4 Phosphatase Zsuzsánna Réthi-Nagy, Edit Ábrahám, Rita Sinka and Zoltán Lipinszki
17:20	O-08	Investigation of protein and peptide type inhibitors of the human dUTPase <u>Kinga Nyíri</u> , Enikő Gál, Máté Laczkovich, Beáta Vértessy
17:35	O-09	Dynamic ensembles highlight unique features of the PDZ domains of PSD-95 Zoltán Gáspári, Bertalan Kovács, Anett Hinsenkamp, Dániel Dudola
17:50	0-10	Effect of A22 and nucleotides on MreB polymerisation Beáta Longauer, Szilvia Barkó, Dávid Szatmári, Miklós Nyitrai
18:05	0-11	Transmembrane protein structure prediction by AlphaFold2 Tamás Hegedűs, Markus Geisler, Gergely L. Lukács, Bianka Farkas
18:20	0-12	RNA binding of SETD1A and SETD1B Beáta Szabó, Harem Sabr, Éva Schád, <u>Ágnes Tantos</u>
18:45		Welcome dinner
20:15		Poster discussion with drinks - ODD number posters Proteomics Clinique



Day 2	Day 2 – Saturday, 6 November 2021		
	lar mech ábor Szak	nanism of diseases II. / Congress Hall റർ	
09:00	0-13	Machine-learning based method to predict endometroid grade and relapse risk from global gene expression datasets Péter Gargya, <u>Bálint László Bálint</u>	
09:20	0-14	Amino acids and biogenic amines as indicators of altered metabolic fluxes in obesity and diabetes Éva Csősz, Andrea Guba, Erdenetsetseg Nokhoijav, Balázs Kunkli, Ajneesh Kumar, Gergő Kalló, József Tőzsér	
09:35	O-15	The diverse functions of the proteasome activator PA00 to maintain cellular quality control. Krisztina Tar, Azzam Aladdin, Abdennour Douida, Frank Batista, Agnieszka Robaszkiewicz, Róbert Király	
09:50	0-16	Irisin stimulates the release of CXCL from human subcutaneous and deep-neck derived adipocytes Endre Kristóf, Abhirup Shaw, Beáta B Tóth, Róbert Király, László Fésüs	
10:05	0-17	Dissecting drug interactions utilizing rexinoid and G-protein-coupled receptors for cancer prevention Iván Uray , Sham Jdeed, Máté Lengyel, Ádám Molnár, Guang Peng, Powel H. Brown	
10:20		Coffee break	



Day 2 - Saturday, 6 November 2021 **Developmental Genetics / Room Liget I.** Chair: Rita Sinka 09:00 0-18 Immune cell redirection reveals the underlying mechanisms of hematopoietic tissue formation in Drosophila Gábor Csordás, Ferdinand Grawe, Steffen Erkelenz, Mirka Uhlirova, Gábor Juhász 09:20 0-19 The biological significance of nuclear actin Péter Borkúti, Kristó Ildikó, Anikó Szabó, Zoltán Kovács, Csaba Bajusz, Péter Vilmos 09:35 O-20 Role of formin proteins in the cytoskeleton coordination during axonal growth István Földi, Krisztina Tóth, Ioannis Zygouras, Péter Gaszler, Beáta Bugyi, József Mihály 09:50 0-21 Microtubule organizing centers contain testis-specific y-TuRC proteins in spermatids of Drosophila Elham Alzyoud, Viktor Vedelek, Zsuzsanna Réthi-Nagy, Zoltán Lipinszki, Rita Sinka 10:05 0-22 LC3-associated phagocytosis promotes glial degradation of axon debris after injury Áron Szabó, Virág Vincze, Sarolta Bognár, Poulami Banik, Katalin Eszter Varga, András Jipa, Gábor Juhász 10:20 Coffee break



Day 2 -	Day 2 – Saturday, 6 November 2021				
	e manip oltán lvics	ulation & archeogenetics / Congress Hall			
11:05	0-23	Engineered Sleeping Beauty transposase redirects transposon integration away from genes Zoltán Ivics, Csaba Miskey, Lisa Kesselring, Irma Querques, György Abrusán, Orsolya Barabás			
11:25	0-24	BEAR reveals that increased fidelity variants can successfully reduce the mismatch-tolerance of adenine but not cytosine base editors András Tálas, Dorottya A. Simon, Péter I. Kulcsár, Éva Varga, Sarah L. Krausz, Ervin Welker			
11:40	0-25	How to choose the most suitable increased fidelity SpCas9 nuclease for high specificity genome editing Péter István Kulcsár, András Tálas, Sarah L Krausz, Zoltán Ligeti, Eszter Tóth, Zsófia Rakvács, Krisztina Huszár, Ervin Welker			
11:55	O-26	Genetic history and life of Bronze Age communities in Western Hungary <u>Dániel Gerber</u> , Bea Szeifert, Balázs Egyed, Ágnes Kustár, Szilvia Fábián, Balázs Gusztáv Mende, Eszter Ari, Viktória Kiss, Anna Szécsényi-Nagy			
12:10	0-27	Chapters from Carpathian Basin's Early Medieval genetic history Bea Szeifert, Balázs Gyuris, Dániel Gerber, Veronika Csáky, Attila Türk, Béla Miklós Szőke, Sándor Évinger, Balázs Egyed, Balázs Gusztáv Mende, Anna Szécsényi-Nagy			
12:25	O-28	Population genomic characterization of migration period populations in the Carpathian Basin <u>Tibor Török</u> , Zoltán Maróti, Oszkár Schütz, Endre Neparáczki, Bence Kovács, István Gergely Varga, Kitti Maár, Balázs Tihanyi, Emil Nyerki, István Nagy, István Raskó			
12:40		Lunch			



Day 2 -	Day 2 – Saturday, 6 November 2021		
Cell differentiation and signaling / Room Liget I Chair: László Buday			
11:05	0-29	Impaired skeletal muscle development and regeneration in transglutaminase 2 knockout mice Zsófia Budai, Nour Al-Zaeed, Peter Szentesi, Hajnalka Halász, Laszlo Csernoch, Zsuzsa Szondy, <u>Zsolt Sarang</u>	
11:25	O-30	Elucidating the regulation of hemocyte transdifferentiation with a complex deep learning based technology in <i>Drosophila</i> melanogaster Erika Gábor, Aliz Géczi, Ede Migh, Attila Beleon, Péter Horváth, Bence Széplaki, Márton Enyedi, Lajos Pintér, Lajos Haracska, Pierre Cattenoz, Angela Giangrande, Viktor Honti	
11:40	0-31	The sirtuin ortholog SIR-2.1 regulates lipolysis via the heat shock factor HSF-1 in <i>C. elegans</i> <u>Milán Somogyvári</u> , Csaba Sőti	
11:55	0-32	Identification of oncogene-specific TKS4-binding protein complexes as biomarker panels for various cancers Anita Kurilla, László Buday, Loretta László, Tamás Takács, Virág Vas	
12:10	0-33	Involvement of mitochondrial mechanisms in the cytostatic effect of desethylamiodarone in B16F10 melanoma cells Fadi H.J. Ramadan, Rita Bognár, Aliz Szabo, Ferenc Gallyas Jr., Zita Bognár	
12:25	0-34	Role of transglutaminase 2 (TG2) in the differentiation and apoptotic processes of all-trans retinoic acid (ATRA) and arsenic trioxide (ATO) treated NB4 leukaemia cell lines <u>Károly Jambrovics</u> , Zoltán Balajthy, László Fésüs	
12:40		Lunch	



Day 2 – Saturday, 6 November 2021

Day 2 - Saturday, 6 November 2021			
	Plenary session / Congress Hall Chair: Mihály Kovács		
14:10	PL-3	Evolution repeats itself in fungal morphogenetic transitions - in search of mechanisms of convergent evolution László G. Nagy	
14:45	PL-4	CRISPR genome editing based isogenic induced pluripotent stem cell system for modeling ZMYND11 de novo mutation in schizophrenia János Réthelyi, Edit Hathy, Csongor Tordai, Katalin Vincze, Hella Gyergyák, Tamás Arányi, Dávid Szüts, Ágota Apáti	
Compai	ny talks .	/ Congress Hall	
15:20		Library in three hours - NGS kits from BioVendor BioVendor dr. Klára Lakatoš (BioVendor – MDX a.s.)	
15:35		Technical break	
Drug development / Congress Hall Chair: László Virág			
15:40	O-35	High-content screening for drug discovery <u>László Virág</u> , Csaba Hegedűs, Eliza Guti, Zsolt Regdon, Alexa Kiss, Katalin Kovács, Endre Kókai	
16:00	O-36	Fluorescent probes of Organic Anion Transporting Polypeptides (OATPs), transporters involved in drug ADME-Tox <u>Csilla Laczka</u> , Orsolya Ungvári, Réka Laczkó-Rigó, Virág Székely, Erzsébet Mernyák, Éva Bakos	
16:15	0-37	Targeting serotonergic signaling as a potential growth control pathway in breast cells <u>Máté Lengyel</u> , Iván Uray	
16:30	0-38	Switching off drug resistance in cancer <u>András Füredi</u> , Kornélia Szebényi, Szilárd Tóth, Gergely Szakács	
16:45		Poster discussion with coffee break – EVEN number posters Proteomics Clinique	
20:00		Gala Dinner - Congress Hall	



Day 2 – Saturda	y, 6 November 2021		
	Stem cell / Room Liget I. Chair: Andras Nagy		
15:40 O-39	Combining gene and cell therapy offers "universal" cells to treat disease Andras Nagy		
16:00 O-40	Human ALS/FTD brain organoid slice cultures display distinct early astrocyte and targetable neuronal pathology Kornélia Szebényi, Lea M. D. Wenger, Yu Sun, Alexander W. E. Dunn, Colleen A. Limegrover, George M. Gibbons, Elena Conci, Ole Paulsen, Susanna B. Mierau, Gabriel Balmus, Andras Lakatos		
16:15 O-41	Ionizing radiation differentially affects the uptake of extracellular vesicles by bone marrow cell subpopulations <u>Tünde Szatmári</u> , Dávid Kis, Géza Sáfrány, Katalin Lumniczky		
16:30 O-42	Zbtb46 dependent altered developmental program in embryonic stem cell derived blood cell progenitors: improved erythropoiesis and diminished myelopoiesis István Szatmári, Pál Botó, Tímea Gerzsenyi, Adél Lengyel		
16:45	Poster discussion with coffee break – EVEN number posters Proteomics Clinique		
20:00	Gala Dinner		



Day 3	Day 3 – Sunday, 7 November 2021		
	DNA repair and carcinogenesis / Congress Hall Chair: Dávid Szüts		
09:30	0-43	Liquid-liquid phase separation driven by ssDNA binding protein enables rapid and efficient genome repair Gábor M. Harami, Zoltán J. Kovács, Rita Pancsa, János Pálinkás, Veronika Baráth, Krisztián Tárnok, András Málnási-Csizmadia, Mihály Kovács	
09:50	0-44	The role of human WRNIP1 protein in genome maintenance Szilvia Juhász, Ágnes Tóth, Gábor M. Harami, János Pálinkas, Lili Hegedűs, Enikő Sajben-Nagy, Szabolcs Bene, Lajos Pintér, Lajos Haracska, Mihály Kovács, <u>Péter Burkovics</u>	
10:05	0-45	Chromatin architectural changes set the stage for meiotic DNA break formation Lóránt Székvölgyi	
10:20	O-46	Functional significance of the Rad18 Zn-finger mediated interaction with Rad5 Orsolya Frittmann, Vamsi K. Gali, Miklós Halmai, Róbert Tóth, Zsuzsanna Győrfy, <u>Éva Bálint</u> , Ildikó Unk	
10:35	O-47	Regulation of nucleosome stability: the roles of histone PTMs, histone variant composition and superhelicity László Imre, Péter Nánái, Roswevalentine Bosire, Erfaneh Firouzi Niaki, Gábor Szabó	
10:50	O-48	PARP inhibitors and the molecular mechanisms underlying their PARP1 trapping activity Gyula Timinszky, Sébastien Huet	
11:05		Coffee break	



Day 3	– Sun	day, 7 November 2021	
	Session epigenetics & regulation of gene expression / Room Liget I. Chair: Tamás Arányi		
09:30	O-49	Transcriptional changes in response to DNA damage Barbara N. Borsos, Vasiliki Pantazi, Zoltan G. Pahi, Zsuzsanna Ujfaludi, Hajnalka Majoros, Ivett Berzsenyi, Nora Ördög, Haico van Atticum, John Rouse, Evi Soutoglou, <u>Tibor Pankotai</u>	
09:50	O-50	Fundamental role of the H2A.Z C-terminal tail in the formation of constitutive heterochromatin <u>László Imre</u> , Péter Nánási, Rosevalentine Bosire, Ágota Csóti, Kata Nóra Enyedi, Éva Hegedüs, Erfaneh Firouzi Niaki, Gábor Mező, Zsolt Bacsó, Masayuki Kusakabe6, Peter Cheung, David Tremethick, Juan Ausio, Masahiko Harata, Gábor Szabó	
10:05	O-51	Moesin is involved in mRNA export as a new member of the Mediator complex <u>Ildikó Kristó</u> , Zoltán Kovács, Péter Borkúti, Anikó Szabó, Zoltán Lipinszki, Aladár Pettkó-Szandtner, Péter Vilmos	
10:20	0-52	Combined RNA-seq and WGS analysis of a rabbit family reveals clear genotype supported intermediate inheritance of gene expression levels at many genes Maher Alnajjar, Levente Kontra, Zsófia Fekete, Tibor Nagy, Mátyás Schiller, Nóra Ninausz, Viktor Stéger, Zoltán Német, Endre Barta	
10:35	O-53	Initiation of PIWI mediated heterochromatin formation in Drosophila melanogaster Melinda Bence, Ákos Gyetvai, Ferenc Jankovics, Beáta G. Vértessy, Miklós Erdélyi	
10:50	O-54	Polycomb protein RYBP associates with cardiac transcription factor NKX2-5 to regulate <i>Plagl1</i> during <i>in vitro</i> cardiac differentiation of mouse embryonic stem cells	

Surya Henry, Melinda Katalin Pirity

Coffee break

11:05



Day 3 -	Sunday,	7 November 2021
	iology & ászló Szab	Regulatory RNA / Congress Hall pados
11:40	O-55	Proline metabolism acts as regulatory hub in higher plants László Szabados, Hajnalka Kovács, László Kozma-Bognár, Dávid Alexa, Emese Bató, Abu Imran Baba, Maria E. Alvarez, Arnould Savouré
11:55	O-56	The snoRNAome of zebrafish (<i>Danio rerio</i>) <u>Renáta Hamar</u> , Máté Varga
12:10	0-57	Molecular analysis of tomato shoestring symptom Anita Sós-Hegedűs, Tamás Tóth, Katalin Nemes, Péter Gyula, Pál Salamon, Katalin Salánki, György Szittya
12:25	O-58	Small RNA sequencing reveals specific microRNA signatures due to invasive aspergillosis in oncohematology patients Anna Anita Rácz, Gábor Fidler, Péter Dávid, Emese Tolnai, László Rejtő, Róbert Szász, Szilárd Póliska, Sándor Biró, Melinda Paholcsek
12:40	O-59	miRNA profiling of extracellular vesicles from pancreatic ductal adenocarcinoma patient-derived organoids and blood Anikó Zeöld, András Áron Soós, Anna Kiss, Gyöngyvér Orsolya Sándor, Tamás Tölgyes, Ákos Szűcs, Zoltán Wiener
13:00		Closing ceremony Congress Hall
13:15		Lunch



Day 3 -	Sunday,	7 November 2021	
_	Autophagy and i.c. trafficking / Room Liget I. Chair: Tibor Vellai		
11:40	O-60	The role of ubiquitin in the secretory granule degradation in Drosophila Tamás Csizmadia, Anna Dósa, Asha Kiran, Hajnalka Laczkó-Dobos, András Jipa, Levente Kovács, Péter Deák, Péter Lőw, Gábor Juhász	
11:55	O-61	Cathepsin D interacts with the adenosine A _{2A} receptors in mouse macrophages establishing a mutual molecular and functional regulation Adrienn Skopál, Tamás Kéki, Péter Á. Tóth, György Haskó, László Virág, Endre Kókai	
12:10	0-62	Plasmamembrane calcium pump PMCA4b is a new regulator of lumen formation and secretion Sarolta Tóth, Diána Patrícia Kaszás, János Sónyák, Rita Padányi, Réka Nagy, Anna Mária Tőkés, Tamás Csizmadia, Gábor Juhász, Ágnes Enyedi	
12:25	O-63	Lysosome-related organelles are required for toxic stress-induced cytoprotective and immune responses in <i>C. elegans</i> Gábor Hajdú, Csaba Sőti	
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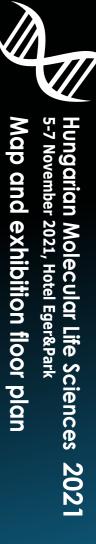
Regulatory Modules of Human Thermogenic Adipocytes: Functional Genomics of Large Cohort and Meta-Analysis Derived Marker-Genes

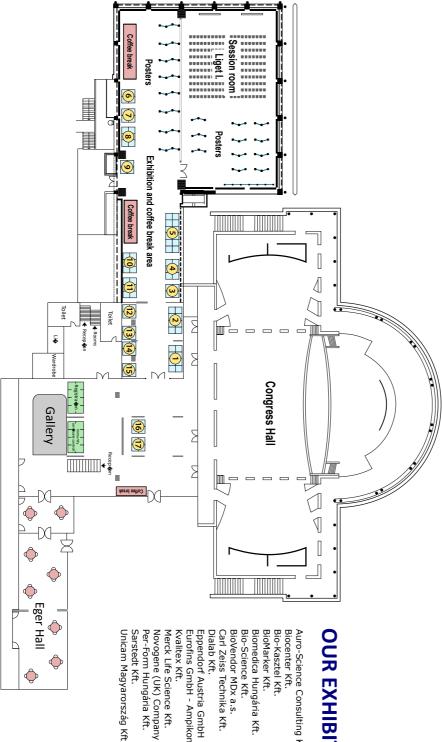
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