



	Common Area	Anadolu Auditorium	Hall 1	Hall 2
	5 July 2025	5 July 2025	5 July 2025	5 July 2025
16:00 - 17:00	Welcome Address			
17:00 - 18:00		FEBS Sir Hans Krebs Lecture – Opening Plenary Lecture		
		G protein-coupled peptide receptors: structure, function and innovative therapeutic concepts <i>Annette Beck-Sickinger, Germany</i>		
18:00 - 18:30	Coffee Break			
18:30 - 19:30		TBS Plenary Lecture		
		Regulation of mitochondrial structure and function during metabolic cycles and stress <i>Gökhan Hotamisligil, US</i>		
19:30 - 21:00	Social get together: welcome cocktail			
	Common Area	Anadolu Auditorium	Hall 1	Hall 2
	6 July 2025	6 July 2025	6 July 2025	6 July 2025
09:00 - 11:00		Structural biology: from complexes to membrane-less organelle	FEBS & Cell Death Research Society Joint Session – Cell stress, cell senescence, and cell death decisions	Cancer biochemistry
		Molecular mechanisms of DNA repair in bacteria <i>Marcin Nowotny, Poland</i>	Senescence and targeted senolysis <i>Vassilis Gorgoulis, Greece</i>	Metabolic rewiring driving metastasis formation <i>Sarah-Maria Fendt, Belgium</i>
		Decoding molecular plasticity in the dark proteome <i>Edward A. Lemke, Germany</i>	Dying by ferroptosis: cellular and intercellular aspects <i>Peter Vandenabeele, Belgium</i>	A KEAP1-dependent trade-off between migration and ferroptosis limits melanoma hematogenous dissemination <i>Sirio Dupont, Italy</i>
		Master of cell division: structure and assembly of the kinetochore <i>Andrea Musacio, Germany</i>	Enhancing immune-mediated killing of senescent cells <i>Jesus Gil, UK</i>	Fueling the battle: Metabolic insights into cancer progression and therapeutic strategies <i>Jean-Ehrland Ricci, France</i>
		Short Talks	Short Talks	Short Talks
		Unraveling the structural impact of DNA on RARA/RXR transcriptional regulation <i>Isabella Tambones, France</i>	Lysosome-mitochondria crosstalk in nutrient-restricted cells remodel cell signalling for survival <i>Hepşen Hazal Hüsniğil, Türkiye</i>	Hypoxia and HIF2-α related α-ketoglutarate accumulation as a therapeutic target for reverting macrophage metabolic reprogramming and immune evasion in MASH-related HCC. <i>Beatrice Foglia, Italy</i>
		DnaB and DciA: mechanisms of helicase loading and translocation on ssDNA during the DNA replication initiation in human pathogenic bacteria <i>Daniele Mazzeletti, Italy</i>	Skin fibroblasts’ response to UVB irradiation: apoptosis, premature senescence or resistance? <i>Dimitris Kletsas, Greece</i>	Cytosolic EZH2-IMPDH2 complex regulates melanoma progression and metastasis via GTP <i>Ganize Kuser Abali, Türkiye</i>
		Speed Talks	Speed Talks	Speed Talks
		The unexpected structure and function of the BAM complex in Bacteroidetes <i>Mariusz Madej, Poland</i>	Determination of the effect of EF24 on the cell death response induced by eribulin mesylate in A549 lung cancer cells <i>Sibel Söylemez, Türkiye</i>	Investigation of Stage-Specific Exosomal Content in Small Cell Lung Cancer by Multi-Omics Approach and Investigation of Possible Effects in Organotropic In Vivo SCID Mouse Model <i>Kubilay İnci, Türkiye</i>
		The disease-linked R336C mutation in Cystathionine β-synthase disrupts communication with the PLP cofactor yet maintains the enzyme's overall structural integrity <i>Carolina Conter, Spain</i>	Increased catalytic activity of C3G suppresses B cell lymphoma growth and survival, while enhancing migration and invasion <i>Alba Moran Vaquero, Spain</i>	Ergosterol and Its Metabolites as Liver X Receptor Agonists: Exploring Their Anticancer Potential in Colorectal Cancer Through Experimental Models and Molecular Mechanisms. <i>Navneet Agnihotri, India</i>
11:00 - 11:30	Coffee Break			
11:30 - 12:30		FEBS/EMBO Women in Science Award Lecture		
		Epigenetic regulation by histone acetylation in health and disease <i>Asifa Akhtar, Germany</i>		
12:30 - 14:30	Lunch / Poster Presentations / Visit to Exhibitors			
14:30 - 15:30		EMBO Lecture		
		Phase separation in cell physiology and disease <i>Anthony A Hyman, Germany</i>		
15:30 - 16:00	Coffee Break			
16:00 - 18:00		FEBS Excellence Awardees Session	Decoding cancer: genetics and epigenetics in cancer	FEBS & EFLM Joint Session – From bench to bedside and back: bridging biochemistry and clinical laboratory medicine
		Antibiotic efficacy - Why context matter? <i>Pierre Santucci, France</i>	Deciphering the epigenetic code in autophagy and cancer <i>Sung Hee Baek, South Korea</i>	Research vs. Clinical laboratory methods: Understanding the key differences <i>Tomas Zima, Czech Republic</i>
		Dynamic RNA structural biology at the single-molecule level: Watching how interconnected processes work in real-time <i>Olivier Duss, Germany</i>	Epigenetic regulation of cancer therapy response <i>Tuğba Bağcı Önder, Türkiye</i>	Navigating sample size and replication challenges: from basic science to clinical implications <i>Ceyhan Ceran Serdar, Türkiye</i>
		Normal breast physiology as gatekeeper of cancer initiation and growth <i>Colinda Scheele, Belgium</i>	Tyrosine kinase inhibitor induces changes in the 3D genome organization of lung cancer cells leading to expression of tumor suppressor genes. <i>Guillermo Barreto, France</i>	Metabolomics: A challenging journey from basic science to daily practice–reality or fairy tale? <i>Elie Fux, Germany</i>
		The molecular architecture of a 2MDa Plastid-encoded RNA polymerase in a unicellular photosynthetic eukaryote <i>Silvia Ramundo, Austria</i>	Short Talks	NGS: Transforming public health from basic science to practical applications in oncology, cardiology, and predictive medicine <i>Maurizio Ferrari, Italy</i>
			Balancing X-Chromosome Dosage in Hematopoietic Cells: Mechanistic Insights and Impact on Cancer <i>Eda Yıldırım, Türkiye</i>	
			BRPF1 links ribosome biogenesis and ABCB1 expression in chemoresistant triple-negative breast cancer cells <i>Özlem Yedier Bayram, Türkiye</i>	
			Speed Talks	
			Deciphering the epigenetic code of genome stability, from soma to germline <i>Si Yao Wang, Germany</i>	
			Synergistic Effects of HDAC Inhibitor Quisinostat and 5-Fluorouracil on Colorectal Cancer Cellular Processes <i>Gizem Çalıbaşı Koçal, Türkiye</i>	
	Common Area	Anadolu Auditorium	Therapeutic Modulation of lncRNA Expression in Thyroid Cancer: A Gene Expression Study <i>Adrian Albulescu, Romania</i>	
			Transforming Molecular Teaching in the Metaverse <i>Sara M. Martinez-Sanchez, Spain</i>	
	Common Area	Anadolu Auditorium	Hall 1	Hall 2
	7 July 2025	7 July 2025	7 July 2025	7 July 2025
09:00 - 11:00		Protein Life Cycle I: Dynamics of protein synthesis and folding	Revolutionizing cancer diagnosis and treatment	Molecular Basis of Disease
		Multi-protein assemblies orchestrate co-translational protein processing and folding on the human ribosome <i>Irmgard Sinning, Germany</i>	Adaptation of cancer cells to hypoxia and acidosis in tumor microenvironment <i>Silvia Pastorekova, Slovakia</i>	Acylcarnitines in health and disease <i>Maija Dambrova, Latvia</i>
		The hidden language of proteins: Allosteric pathways with gaussian network model <i>Türkan Haliloğlu, Türkiye</i>	Liquid biopsy: From discovery to clinical implementation <i>Klaus Pantel, Germany</i>	Cystic Fibrosis: A paradigmatic disease in bringing science to the bedside <i>Margarida D. Amaral, Portugal</i>
		Apicomplexan mitoribosome from highly fragmented rRNAs to a functional machine <i>Yaser Hashem, Germany</i>	Cancer causing pathogens, cell plasticity and upper GI cancers <i>Xin Lu, UK</i>	SUMOylation in health and disease and its potential for targeted therapies <i>Umut Şahin, Türkiye</i>
		Short Talks	Short Talks	Short Talks
		Understanding the Regulation of Ribosome Assembly <i>Gabriel Demo, Czech Republic</i>	Uncovering new vulnerabilities of ovarian cancer pharmacoresistance via unbiased identification of RNA-binding proteins <i>Rosario Avalio, Italy</i>	Regulative components of the ECM guide skin regeneration via distinct molecular pathways <i>Viljar Jaks, Estonia</i>
		Formylglycine and an alternative maturation system regulate nematode sulfatases <i>Radhika Sharma, Germany</i>	Polyphenolic cocktail (PFK5120) treatment of breast cancer cell lines: Superior anti-carcinogenic and anti-metastatic effects to doxorubicin <i>Gülçin Özkara, Türkiye</i>	Coenzyme A biology, but not as we know it <i>Ivan Gout, UK</i>
		Sequences of C-termini optimize the insertion of membrane proteins. <i>Ilya Kalinin, Israel</i>	Speed Talks	Formyl-peptide receptor 2 stimulation enhances LAT1 expression and activates NOX-dependent mTORC1 signaling <i>Myrham Casseze, Italy</i>
		Speed Talks	Development of EGFRvIII-Targeted Virus-Like Particles: Utilizing Diverse Cargo Proteins for Glioblastoma Cell Elimination <i>Canan Bayraktar Odabaş, Türkiye</i>	Speed Talks
		Synthesis and catabolism of modified heterocyclic bases <i>Augusta Ivaske, Lithuania</i>	Phenotype-specific cancer targeting: mesenchymal stem cells as therapeutic nanocomplex carriers <i>Aleja Marija Daugelaite, Lithuania</i>	The first report of MEI4 biallelic variant in primary infertility: A familial case study <i>Deniz Ağırbaşı, Türkiye</i>
	Common Area	Anadolu Auditorium	The oncomucin MUC4 EGF domains: A new paradigm to target ErbB/HER and RTK receptors in pancreatic adenocarcinoma using inhibitory small molecules <i>Isabelle Van Seuningen, France</i>	Circulating extracellular vesicles as biomarkers of endothelial injury in idiopathic pulmonary fibrosis <i>Aleksandra Agafonova, Italy</i>
			Dual role of tumor associated macrophages in acquired resistance to second-generation androgen receptor antagonists in hormone sensitive prostate cancer cells <i>Fatih Hunc, Türkiye</i>	CRISPR-Cas9-based deletion of glutathione synthetase in Leishmania donovani demonstrates its essential role in growth and virulence <i>Manash Sarma, India</i>
				Deficiency of B4Galnt1 rescues the neuroinflammatory and neurodegenerative courses of Tay-Sachs disease mouse model <i>Selman Yanbul, Türkiye</i>
11:00 - 11:30	Coffee Break			

11:30 - 12:30		<div>FEBS Datta Lecture</div> <div>Mechanisms of food allergy and the role of allergen-specific B cells <i>Mübeccel Akdiş, Switzerland</i></div>		
12:30 - 14:30	Lunch / Poster Presentations / Visit to Exhibitors			
14:30 - 15:30		<div>FEBS Theodor Bücher Lecture</div> <div>Lysosomal signaling in metabolic adaptation and tumorigenesis <i>Andrea Ballabio, Italy</i></div>		
15:30 - 16:00	Coffee Break			
16:00 - 18:00		<div>Protein life cycle II: Protein localization and dynamics</div> <div>Dynamics and synchronicity in catalytic mechanisms of homodimeric flavoenzymes <i>Milagros Medina, Spain</i></div> <div>How ARL proteins control lipid-modified proteins Delivery to primary cilia <i>Shehab Ismail, Belgium</i></div> <div>The biology of the centrosome/cilium complex in health and in disease <i>Elif Nur Fırat Karalar, Türkiye</i></div> <div>Short Talks</div> <div>Structure of EMAP II cytokine reveals high conformational flexibility of dual function NPKKK motif involved both in RNA binding and nuclear export <i>Oleksandr Kornelyuk, Ukraine</i></div> <div>Identification of PKN2 and MOB4 as Coordinators of Collective Cell Migration <i>Alexis Gautreau, France</i></div> <div>The Investigation of Molecular Function and Dynamics of CLIC4 During Cell Division <i>Beste Senem Değirmenci Alper, Türkiye</i></div> <div>Speed Talks</div> <div>CacyBP/SIP - RPL6 interaction: potential influence on ribosome function <i>Omid Saberi Khomami, Poland</i></div> <div>Elevated CHK1 expression in hepatic stellate cells offers an adaptive mechanism against replication stress <i>Eui Jin Lee, South Korea</i></div> <div>Differential functions of HSPA1 and HSPA2 chaperones in human epithelial cells <i>Klaudia Wiecha, Poland</i></div> <div>PDGF-DD and Imatinib Shape MSC Anti-Fibrotic Behavior Through PDGFR-β Modulation <i>Mustafa Keleş, Türkiye</i></div>	<div>Neuroscience</div> <div>Sleep well: the regulation of neural stem cell quiescence <i>Isabel Farinas, Spain</i></div> <div>The microglial niche in neurodegeneration - understanding. pathology and targeting for immunotherapy <i>Robert Harris, Sweden</i></div> <div>Regulation of neuronal stem cell activity during tissue maintenance and regeneration of the zebrafish olfactory epithelium. <i>Stefan Fuss, Türkiye</i></div> <div>Short Talks</div> <div>Mapping the rules of neurological disorders using single cell and spatial genomics <i>Ömer Bayraktar, UK</i></div> <div>Altered dopamine system in retinal degeneration - an epiphenomenon or a disease modifier? <i>Henri Leinonen, Finland</i></div> <div>Developing a prion-on-a-chip model to recapitulate the microphysiological brain environment to assess blood-brain barrier function <i>Nafisa Tanjia, Türkiye</i></div> <div>Speed Talks</div> <div>Intrathecal administration of AAVrh10-mHexa alleviates neuropathological manifestations in a mouse model of Tay-Sachs disease <i>Melike Can Özgür, Türkiye</i></div> <div>Identifying Small Molecules in Multiple Sclerosis via NMR Spectroscopy <i>Pınar Şengül, Türkiye</i></div> <div>Single-domain antibodies targeting S100B chaperone amplify its anti-aggregation activity and inhibit Tau aggregation in Alzheimer's disease <i>Margrida C. Simoes, Portugal</i></div> <div>Boron-Supplemented Fecal Microbiota Transplantation Exhibits Therapeutic Effects on the Gut-Brain-Microbiota Axis in NCM460 Cell Injury and Neuroinflammation Rat Model <i>Fatih Kar, Türkiye</i></div>	<div>EU Research Infrastructures Session</div> <div>Welcome and Introduction <i>Yasemin Ucal, EU-OPENSREEN</i></div> <div>Euro-Biolmaging - Open access to biological & biomedical imaging technologies and image data services <i>Daniela Aviles Huerta, Euro-Biolmaging</i></div> <div>DNA Binding Alters Androgen Receptor Variant Dimerization <i>Nathan Lack, Koç University & University of British Columbia</i></div> <div>INFRAFRONTIER - Enabling breakthrough biomedical research through state-of-the-art disease modelling resources <i>Michael Raess, INFRAFRONTIER</i></div> <div>Pioneering intranasal siRNA-based Nanovaccine <i>Helena Florindo, University of Lisbon</i></div> <div>EU-OPENSREEN - A collaborative initiative to accelerate early drug discovery <i>Bahne Stechmann, EU-OPENSREEN</i></div> <div>Investigating the Mechanism of Action of Newly Discovered Anti-Prion Compounds via Chemoproteomics <i>Emiliano Biasini, University of Trento</i></div> <div>Instruct-ERIC - Access to latest Structural Biology technologies and training in Europe <i>Claudia Alén Amaro, Instruct-ERIC</i></div> <div>The Mechanism of Lipid-targeting Antibiotics <i>Markus Weingarth, Utrecht University</i></div> <div>'Ask the Experts' Roundtable</div> <div>Conclusion <i>Yasemin Ucal, EU-OPENSREEN17</i></div>
	Common Area	Anadolu Auditorium	Hall 1	Hall 2
	8 July 2025	8 July 2025	8 July 2025	8 July 2025
09:00 - 11:00		<div>Protein Life Cycle III: Degradation: Proteases, proteasome, autophagy</div> <div>Autophagy and cancer <i>Devrim Gözüaçık, Türkiye</i></div> <div>Lysosome integrity - a matter of life and death <i>Harald Stenmark, Norway</i></div> <div>The role of peptidases in shaping the fate of immune cells in tumor microenvironment <i>Janka Kos, Slovenia</i></div> <div>Short Talks</div> <div>Molecular dynamics study of ATG13 ubiquitylation in ULK1 structural dynamics and assembly of the autophagy initiation complex <i>Bruno Catalanotti, Italy</i></div> <div>Structures of the 26S proteasome in complex with the Hsp70 cochaperone Bag1 reveal a novel mechanism of ubiquitin-independent proteasomal degradation <i>Jorge Cuellar, Spain</i></div> <div>Speed Talks</div> <div>Molecular mechanism and efficacy of 4',5,7-trihydroxyisoflavone in correction of symptoms of Huntington disease as revealed by studies with cellular and animal models <i>Grzegorz Węgrzyn, Poland</i></div> <div>Effects Of A Polyphenolic Chemical Mixture On The Apoptosis Pathway Of A Triple Negative Breast Cancer Cell Line <i>Allison Pınar Eronat, Türkiye</i></div> <div>PROTEOMIC STUDY OF BACTERIAL ENZYMES AT THE HOST-PATHOGEN INTERFACE IN LEGIONELLOSIS <i>Océane Dubois, France</i></div> <div>Interactive Learning in Molecular Life Sciences: Enhancing Molecular Visualization with Authentic Data Resources, Molecular Case Studies, and Augmented Reality <i>Didem Vardar-Ulu, Türkiye</i></div>	<div>Tracing biomarkers from bench to bedside</div> <div>Rapid but reliable: The evolution of viral diagnostic assays with TR-FRET <i>Jussi Hepojoki, Finland</i></div> <div>Revolutionizing sepsis care: The role of circulating histones as clinical biomarkers <i>Jose Luis Garcia-Gimenez, Spain</i></div> <div>Translational Omics innovations to drive personalized health(care) <i>Alain van Gool, Netherlands</i></div> <div>Short Talks</div> <div>Aquaporin 8 upregulation is associated with hepatic inflammation and oxidative stress in ketogenic diet fed ApoE knock-out mice <i>Ines V. da Silva, Portugal</i></div> <div>Evaluation of the relationship between serum and pleural fluid lipid raft protein levels with plasma inflammatory biomarkers <i>Öznur Demirtaş, Türkiye</i></div> <div>Speed Talks</div> <div>Unveiling the potential therapeutic role of Salvia dorystoechas extract in combating type-3 diabetes-linked neurodegeneration <i>Sevil Aksu, Türkiye</i></div> <div>Enhanced glutaminolysis promotes hepatic iron accumulation and aging through lysosomal dysfunction <i>Narora Goikoetxea-Usandizaga, Spain</i></div> <div>TSC22D1 interacts with FoxO1 to regulate beta cell function <i>Sümbül Yıldırım, Türkiye</i></div> <div>Ciliary dysfunction compromises mitochondrial homeostasis <i>Carlos Solarat, Spain</i></div>	<div>Biotechnology and enzyme engineering</div> <div>A toolbox for the engineering of photosynthetic light reactions for environmental sustainability <i>Roberto Bassi, Italy</i></div> <div>Halophiles & the saline world: Are fructans the key to survive? <i>Ebru Toksoy Öner, Türkiye</i></div> <div>You'll never walk alone: combining enzymatic and physical treatments to improve quality and sustainability in food systems <i>Stefania Iametti, Italy</i></div> <div>Short Talks</div> <div>Extreme microbial enzymes: Tools for industrial and environmental biotechnological sustainability <i>Bassem Jaouadi, Tunisia</i></div> <div>Heterologous expression of a novel laccase (YeLac) from Yersinia enterocolitica with enhanced dye decolorization and tetracycline degradation potential <i>F. İnci Özdemir, Türkiye</i></div> <div>Speed Talks</div> <div>Identification of strong promoters from Saccharomyces species for gene expression in budding yeast Saccharomyces cerevisiae <i>Dina Franic, Croatia</i></div> <div>Evolutionary Engineering and Molecular Characterization of an Antimycin A-Resistant Saccharomyces cerevisiae Strain <i>Alican Topaloglu</i></div> <div>Multiscale in silico modeling and simulation of an antibody at ultra-low temperatures: impact of cryoprotectants and insights into the dimerization phenomenon <i>Leon Foun Lin Ravy, France</i></div> <div>Exploring molecular adaptations of tRNA recognition in bacterial isoleucyl-tRNA synthetase type 2 <i>Petra Kozulic, Croatia</i></div>
11:00 - 11:30	Coffee Break			
11:30 - 12:30		<div>FAOBMB Lecture</div> <div>Understanding antioxidants in health and disease: the special case of ergothioneine <i>Barry Halliwell, Singapore</i></div>		
12:30 - 14:30	Lunch / Poster Presentations / Visit to Exhibitors			
14:30 - 15:30		<div>FEBS Education Lecture</div> <div>Learning how to be a better researcher and educator by doing research and teaching - the Yin Yang perspective <i>Robert Harris, Sweden</i></div>		
15:30 - 16:00	Coffee Break			
16:00 - 18:00		<div>AI - application in basic and applied biomolecular sciences</div> <div>Combining simple biophysical models with deep learning for the improved characterization of intrinsically disordered proteins <i>Zsuzanna Dosztanyi, Hungary</i></div> <div>TC6Ex - Democratizing cancer transcriptomics analysis with an interactive bioinformatics platform <i>Atakan Ekiz, Türkiye</i></div> <div>The AI revolution in computational structural biology and how it impacted the field <i>Ezgi Karaca, Türkiye</i></div> <div>Short Talks</div> <div>Multi-View Machine Learning for Massively Multiplexed Biological Fluorescence Imaging <i>Alex Valm, USA</i></div> <div>Predictive models of iPSC differentiation enable efficient tissue-specific differentiation and better control of cell fate <i>Janine Post</i></div> <div>Speed Talks</div> <div>Simple Protein Multimeric State Reconstruction Using Input Filtering with AlphaFold2 <i>Teodor Asvadur Sulea, Romania</i></div> <div>Protein Predictive Modeling and Dynamic Simulation for ALK/GSK-3 Mutation and Therapeutic Targeting in Neuroblastoma <i>Stuart Lutimba, UK</i></div> <div>Assessing the relation between protein phosphorylation, AlphaFold3 models and conformational variability <i>Pathmanaban Ramasamy, Belgium</i></div> <div>Investigating Genetic Diversity and Toxin Production through Systems-Level Metabolic Modelling of Clostridium botulinum <i>M. Ahsanul Islam, UK</i></div>	<div>FEBS Education Session</div> <div>From Challenges to Opportunities: Integrating AI in Biosciences Education <i>Chair: Ferhan Sağın</i></div> <div>Facilitators <i>Manuel João Costa and Robert Harris</i></div> <div>Panelists: <i>Sana Ahmed, Canada TBC</i></div>	<div>From genes to functional proteins</div> <div>Cell proliferation and chromatin dynamics during organ growth <i>Cristiano Gutiérrez, Spain</i></div> <div>Aminoacyl-tRNA synthetases: catalysis and antibiotic (hyper) resistance <i>Ita Gruic-Sovulj, Croatia</i></div> <div>Chromosomal R-loops: who R they? <i>Lóránt Székvölgyi, Hungary</i></div> <div>Short Talks</div> <div>Using a novel piRNA annotation tool (piRAT) to unveil novel piRNA expression patterns <i>Guillem Ylla, Poland</i></div> <div>Genomic-Transcriptomic Differences in Peripheral Blood of Healthy Aging: Insights for Neurodegenerative Disease <i>Fatih Tepgeç, Türkiye</i></div> <div>Novel kinetoplast genome structure and RNA editing patterns in the trypanosomatid Vickermania <i>Vyacheslav Yurchenko, Czech Republic</i></div> <div>Speed Talks</div> <div>Transcriptomic Analysis Reveals Mast Cell Activity Enhances Ferroptosis in Fibroblasts in Gastric Cancer <i>Fatma Sert, Türkiye</i></div> <div>ACRC (GCNA) is a conserved DNA-protein crosslink repair protease that cleaves multiple substrates during vertebrate development <i>Marin Kutnjak, Croatia</i></div> <div>In-depth miRNA profiling uncovers unique microRNA signatures in the neuroglia of the Tay-Sachs disease mouse model <i>Beysa Kaya, Türkiye</i></div> <div>A study of putative transcription factors in Bacillus subtilis reveals a novel mechanism of resistance to the antibiotic D-cycloserine <i>Veronika Kočárková</i></div>
20:00-23:00	Congress Dinner			

	Common Area	Anadolu Auditorium	Hall 1	Hall 2
	9 July 2025	9 July 2025	9 July 2025	9 July 2025
09:00 - 11:00		Emerging topics in molecular life sciences	FEBS Press Session	Immunity and host–pathogens interplay
		From wnt to wisdom: Tackling alzheimer's disease <i>Güneş Özhan, Türkiye</i> Leveraging artificial intelligence in biomedical and biological data analysis: challenges and opportunities <i>Żaneta Świderska-Chadaj, Poland</i> Hydrocolloid-based bioplastics as biocompatible and sustainable composite materials <i>Loredana Mariniello, Italy</i> Short Talks KDM4 inhibitor design for cancer therapy: a structure-based approach <i>Piotr Malecki, Poland</i> Evaluation of freeze-dried Daratumumab immunoconjugate kits for Lutetium-177 radiolabeling <i>Paulina Apostolova, Macedonia</i> Speed Talks Repurposing clinically approved drugs as promising inhibitors of matrix metalloproteinase-2 <i>Akile Tuncal, Cyprus</i> PDIA3: A Novel Target for the Development of Broad-Spectrum Antiviral and Anticancer Agents <i>Fabio Testori, Italy</i> Discovery And Functional Characterization Of Novel Fascin1 Inhibitor Drug Against Colorectal And Breast Carcinoma <i>Andreia Filipa Cruz, Spain</i> Functional and structural study of viral responsive protein 15 (PmVRP15) from black tiger shrimp Penaeus monodon <i>Kuakarun Krusong, Thailand</i>	FEBS Press interactive session on scientific publishing <i>FEBS Press Editors</i> How to prepare a perfect graphical abstract <i>Matteo Oliverio</i>	Epithelial barrier theory and molecular mechanisms of inflammation and tissue injury in allergic and autoimmune diseases <i>Cezmi Akdiş, Switzerland</i> Resolving how vaccine adjuvants promote T cell responses <i>Ed C. Lavelle, Ireland</i> Molecular insights into the immune mechanism of bacterial antiviral defense system Thoeris <i>Giedre Tamulaitiene, Lithuania</i> Short Talks The bitter taste receptor (TAS2R) agonist amarogentin enhances mucociliary clearance and reduces airway inflammation in ovalbumine-induced guinea pig asthma <i>Jozef Mazerik, Slovakia</i> S1PR1 Modulation Mitigates LPS-Induced Testicular Inflammation by Restoring Antioxidant Defenses and Suppressing Proinflammatory Cytokines <i>Ertuğrul Yiğit, Türkiye</i> Speed Talks Epigenetics meets oxidative stress to provide novel biomarkers for sepsis diagnosis, stratification, and prognosis <i>Irene Canovas-Cervera, Spain</i> IL-17–producing γδ T cells played a pathogenic role in Sjögren's syndrome <i>Mengna Zhao, Hong Kong</i> The pivotal role of the NKG2D receptor in the cytotoxic activity of NK cells towards fibroblast-like iPSC derivatives <i>Daria Sherman, Russia</i> Platelet C3G modulates the immune response in a murine colitis model <i>Carmen Sicilia-Navarro, Spain</i>
11:00 - 11:30	Coffee Break			
11:30 - 12:00		FEBS Letters Award Lecture		
		SKDEAS intellectual disability syndrome: Pathogenic mechanism revealed by an impaired E3 ubiquitin ligase. <i>Arno Alpi, UK</i>		
12:00 - 12:30		The FEBS Journal Richard Perham Prize Lecture		
		Cholesterol-mediated ERRα activation in breast cancer progression and microenvironment <i>Matteo Brindisi, Italy</i>		
12:30 - 13:30	Lunch / Poster Presentations / Visit to Exhibitors			
13:30 - 15:30		RNA Biology: Coding and Non-coding RNAs	FEBS & ORPHEUS Joint Session	
		RNA mechanisms associated with C9orf72 mutation <i>Boris Rogelj, Sloveina</i> The 3'-end of the tale <i>A. Elif Erson-Bensan, Türkiye</i> Investigating families of multifunctional mRNA binding proteins that control cytoplasmic mRNA fate in mammals <i>Nicola K. Gray, UK</i> Short Talks RBFox2-REGULATED RNA NETWORKS NECESSARY FOR EARLY CARDIOVASCULAR DEVELOPMENT <i>Müge Kuyumcu-Martinez, USA</i> Investigation of a squaramide motif as a bioisostere of the amino-acid group of S- adenosyl-L-methionine and its functional impact on RNA methylation. <i>Batoul Mahcene, France</i> Speed Talks Dual role of a single residue in isoleucyl-tRNA synthetase: ensuring specificity of the synthetic site and maintaining its communication with the editing site <i>Morana Dulic, Croatia</i> Site-directed RNA editing systems: a particular endogenous target <i>Eliana Patricelli</i> miR-7-5p as a key regulator and therapeutic target in idiopathic osteoarthritis <i>Nidhi Bhardwaj, India</i> Identification of Apoptosis-Related Circular RNAs in Hematological Malignancies by Coupling Nanopore Sequencing with Next-Generation Sequencing <i>Christina D. Sotiropoulou, Greece</i>	The future of the doctorate in Europe in light of research assessment reforms and genAI <i>John Creemers, Belgium</i> ORPHEUS Labelling: A Thrive for Perfection of PhD training <i>Gül Güner Akdoğan, Türkiye</i> Bioethics in PhD training <i>Hakan S. Orer, Türkiye</i> Unlocking your research potential: How mentorship, leadership and support can shape a bright career path <i>Cecilia Arraiano, Portugal</i>	
15:30 - 16:00	Coffee Break			
16:00 - 16:30		Molecular Oncology Lectur		
		Thinking differently about cancer treatment regimens <i>Rene Bernards, Netherlands</i>		
16:30 - 17:00		FEBS Open Bio Lecture		
		Corruption of host immune defenses by bacterial proteases in chronic inflammatory diseases <i>Jan Potempa, Poland</i>		
17:00 - 18:00		IUBMB Jubilee Award Lecture – Closing Plenary Lecture		
		Boosting protein quality control in neurodegenerative diseases: From the bench to the clinic <i>Anne Bertolotti, UK</i>		
18:00 - 18:30		Closing Notes		