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CEB-2024

APRIL 22-24, 2024 | BALTIMORE, MD

Program



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International Conference on

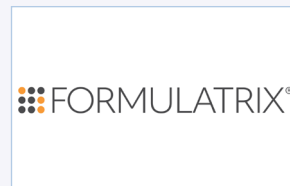
Cell and Experimental Biology

April 22-24, 2024

Hilton Baltimore BWI Airport Hotel

Baltimore, MD

Exhibitors



Program at a Glance

April 22, 2024

07:30-08:00
Registrations and Badge Pickup

08:00-08:20
Opening Speech and Announcements

08:20-10:40 & 11:00-13:00
Keynote Session

10:40-11:00 & 15:30-16:00
Networking Break

13:00-14:00
Networking Lunch

14:00-17:30
Scientific Session-1

17:30-19:00
Poster Session & Drinks

April 23, 2024

08:30-10:10 & 10:30-12:50
Scientific Session-2

10:10-10:30
Networking Break

12:50-13:40
Networking Lunch

13:30-15:30
Scientific Session-3

15:30-16:00
Networking Break

16:00-17:30
Scientific Session-4

April 24, 2024

08:30-10:10
Scientific Session-5

10:30-12:50
Scientific Session-6

10:10-10:30
Networking Break

12:45-13:30
Networking Lunch

13.30-17.30
Virtual Presentations

Tickets:
123-456-7890

Keynote Presentations		
Arthur P. Grollman	Evelyn G. Glick Professor of Experimental Medicine, Director of the Zickler Laboratory of Chemical Biology, State University of New York, NY	The Crucial Role of Energetics in the Rational Design of Drugs: Bridging the Structure/Function Gap
Steven Gross	Professor, Department of Developmental and Cell Biology, School of Biological Sciences, University of California, Irvine, CA	On the Use of Optical Traps to Understand Molecular Motor Function in Vivo
G. Marius Clore	NIH Distinguished Investigator, Chief, Section of Molecular and Structural Biophysics, Laboratory of Chemical Physics, NIDDK, NIH, Bethesda, MD	Uncovering the Link Between Microsecond Pre-nucleation Oligomerization and Slow Fibril Formation of the Huntingtin Exon-1 Protein Using NMR Spectroscopy
George A. Calin	Professor, Department of Translational Molecular Pathology, The University of Texas MD Anderson Cancer Center, Houston, TX	About Patterns, Non-codingRNAs and Cancer Therapy
Maria T. Diaz-Meco	Homer T. Hirst III Professor of Oncology, Department of Pathology and Laboratory Medicine, Weill Cornell Medicine, New York, NY	Metabolic and Epigenetic Control of Lineage Plasticity in Prostate Cancer
Kenneth M. Yamada	NIH Distinguished Investigator, Chief, Cell Biology Section, NIDCR, NIH, Bethesda, MD	Cell-Matrix Dynamics in Development and Cancer
Jorge Moscat	Homer T. Hirst III Professor of Oncology, Professor of Cell and Developmental Biology, Weill Cornell Medicine, New York, NY	TBA
Tao Pan	Professor, Department of Biochemistry and Molecular Biology, University of Chicago, IL	TBA
Biochemistry and Molecular Biology		
Sushant Bhatnagar	Associate Professor, Department of Medicine, Division of Endocrinology, Diabetes, and Metabolism, University of Alabama at Birmingham, AL	Complement 1q-like 3 Secreted Protein is an Autocrine Regulator of Pancreatic Beta-cell Function
Ge Shan	Professor, School of Basic Medical Sciences University of Science and Technology of China, China	Diversity of Circular RNAs: Subclasses and Functions

Ana Nijnik	Associate Professor, Canada Research Chair in Hematopoiesis Tier II, Department of Physiology, McGill University, Canada	Regulation of Hematopoiesis and Immunity by Nuclear Deubiquitinases MYSM1 and BAP1
Haitao Wen	Professor, Department of Microbial Infection and Immunity, Pelotonia Inst. for Immuno-Oncology, The Ohio State University Comprehensive Cancer Center, Columbus, OH	Multiple Functions of O-GlcNAc Transferase in Host Defense Mechanism
Thomas Kunkel	NIH Distinguished Investigator, Genome Integrity & Structural Biology Laboratory, DNA Replication Fidelity Group, NIEHS, NIH, Research Triangle Park, NC	Studies of the Fidelity of Eukaryotic DNA Replication Fidelity
Zhe Ji	Assistant Professor, Departments of Pharmacology and Biomedical Engineering, Northwestern University, Chicago, IL	Mining Genomic Noncanonical Peptides Using Ribosome Profiling
Yi Zhang	Assistant Professor, Department of Biochemistry, School of Medicine, Case Western Reserve University, Cleveland, OH	Regulation of Protein Homeostasis by a tRNA Mediated Post-translational Modification
Elizabeth A. Sweeny	Assistant Professor, Department of Biochemistry, Medical College of Wisconsin, Milwaukee, WI	Interactions Between the Oxidative Signaling Enzyme NADPH Oxidase 5 and Actin
Hongmei Mou	Assistant Professor of Pediatrics, The Mucosal Immunology & Biology Research Center, Massachusetts General Hospital, Harvard Medical School, Boston, MA	Airway Squamous Differentiation and Mucosal Innate Immune Vulnerability
Chongyi Chen	Stadtman Investigator, Laboratory of Biochemistry and Molecular Biology, NCI, NIH, Bethesda, MD	TBA
Vy Nguyen	Post-doc, Genomics Research Center, Academia Sinica, Taiwan	Structure of the Heterotrimeric Membrane Protein Complex FtsB-FtsL-FtsQ of the Bacterial Divisome
Sayem Miah	Assistant Professor, Department of Biochemistry and Molecular Biology, College of Medicine, Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences, Little Rock, AR	Beyond the Sin3/HDAC Complex: FAM60A Emerges as a Regulator of RNA Processing

David Cowburn	Departments of Biochemistry and Systems & Computational Biology, Albert Einstein College of Medicine, Bronx, NY	Integrative Spatiotemporal Map of Nucleocytoplasmic Transport
Yi-Ying Chiou	Graduate Institute of Biochemistry, College of Life Sciences, National Chung Hsing University, Taiwan	Circadian Modulation of Glucose Utilization via CRY1-mediated Repression of Pdk1 Expression
Kayvon Pedram	Group Leader, Howard Hughes Medical Institute, Janelia Research Campus, Ashburn, VA	Molecular Tools to Image the Glycocalyx and Extracellular Matrix
Kaustubh Wagh	Laboratory of Receptor Biology and Gene Expression, National Cancer Institute, NIH, Bethesda, MD	Regulating Gene Expression: The Role of Transcription Factor Dynamics
Basil Hubbard	Associate Professor, Department of Pharmacology and Toxicology, Temerty Faculty of Medicine, University of Toronto, Toronto, ON	Enhancing CRISPR Tools Using Guide RNAs Containing Xenonucleic Acid (XNA) Modifications
Cell and Developmental Biology		
Wenqi Wang	Associate Professor, Department of Developmental and Cell Biology, University of California, Irvine, CA	The Hippo Pathway in Growth Control and Cancer Development
Huansheng Cao	Assistant Professor, Division of Natural and Applied Sciences, Duke Kunshan University, China	Adding Flesh to Skeleton in Systems Biology: The Local Flux Coordination and Global Gene Expression Regulation in Metabolic Modeling
Huan Liu	Post-doc, Department of Internal Medicine I, Ludwig Maximilians University, Germany	Multiphoton In Vivo Microscopy of Embryonic Thrombopoiesis Reveals the Generation of Platelets through Budding
Jorge A. Genovese	Vice President, Bioelectric Regeneration Research, Lionheart Health, Irvine, CA	Bioelectrical Modulation of Antiaging Genes
Yi-nan Gong	Assistant Professor, Department of Immunology, University of Pittsburgh, Pittsburgh, PA	Empowering Necrotic Survivors: Plasma Membrane Damage and Repair as modulators for Innate Immunity
Payel Sen	Stadtman Investigator, Laboratory of Genetics and Genomics, National Institute on Aging, NIH, Baltimore, MD	Epigenetic Mechanisms of Tissue Aging
Stephanie Seveau	Professor, Department of Microbial Infection and Immunity, Ohio State University, Columbus, OH	Role of the Septin Cytoskeleton in Plasma Membrane Repair

Hannele Ruohola-Baker	Professor, Department of Biochemistry, Associate Director, ISCRM, University of Washington, School of Medicine, Seattle, WA	Decoding Regeneration Using Computer Designed Proteins
Yi Fang	Research Fellow, Metabolism, Genes, and Environment Group, National Institute of Environmental Health Sciences, NIH	Histone Crotonylation Promotes Endoderm Differentiation from Human Embryonic Stem Cells
Kai Yang	Assistant Professor, Department of Pediatrics, Indiana University School of Medicine, Indianapolis, IN	Coordination of Intrathymic Signals and Metabolic Reprogramming in Dictating Innate-like T Cell Fate
Emanuel Passos	President of the National Anti-Doping Organization of Cabo Verde Cidadela, Praia, Cape Verde	Physical Exercise Prevents and Mitigates Nonalcoholic Steatohepatitis-related Hepatic Endoplasmic Reticulum Stress
Nikki Bialy	BINA Program Coordinator, Morgridge Institute for Research, Madison WI	BioImaging North America (BINA) - A Network Organization for Bioimaging Scientists
Cell Signaling & Cancer Biology		
Eleni Petsalaki	Post Doc fellow, Department of Biology, University of Crete, Greece	A Novel Mechanism Promotes Actin Patch Formation to Prevent Chromatin Bridge Breakage in Cytokinesis
Sebastian Oltean	Associate Professor in Experimental Medicine and Therapeutics, Department of Clinical and Biomedical Sciences, University of Exeter Medical School, UK	SRPK1 as Determinant of Chemoresistance in Cancer Therapy
Chi Li	Associate Professor, Experimental Therapeutics Group, Brown Cancer Center, Department of Medicine, University of Louisville, KY	A Lung Cancer Vaccine Based on Embryonic Stem Cells
Anna Bianchi-Smiraglia	Assistant Professor of Oncology, Department of Cell Stress Biology, Roswell Park Comprehensive Cancer Center, Buffalo, NY	AhR is a Tumor Promoter in MYCN-amplified Neuroblastoma
George Chen	Senior Research Fellow, Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine, the Chinese University of Hong Kong, China	Inhibition of Thyroid Cancer Dedifferentiation by Brusatol

Irina Matei	Assistant Professor, Departments of Pediatrics, Cell & Developmental Biology, Weill Cornell Medicine, New York, NY	Extracellular Vesicles: A Conserved Inter-cellular Communication System
Yinling Hu	Senior Investigator, Cancer Innovation Laboratory, Center for Cancer Research, NCI, NIH, Bethesda, MD	A TNFR1–UBCH10 Axis Drives Lung Squamous Cell Carcinoma Dedifferentiation and Metastasis Through a Cell-autonomous Signaling Loop
Kyoung-Jae Won	Associate Professor, Department of Computational Biomedicine, Cedars-Sinai Medical Center, West Hollywood, CA	Studying Cell-cell Interaction and Tumor Microenvironment from Spatial Transcriptomics Data
Hema Adhikari	Assistant Professor, Biochemistry & Molecular Biophysics, Washington University School of Medicine, St. Louis, MO	RAS Signaling Networks in Cancer
Sibaji Sarkar	Quincy College, MBC College, RC College, Boston, MA	Carcinogenesis and Combination Therapy
Meenakshi Chellaiah	Professor, University of Maryland, Dental School; Department of Oncology and Diagnostic Sciences Greenebaum Comprehensive Cancer Center, Baltimore, MD	L-plastin and Invasion of Prostate Cancer Cells (PC3)
Andrei V. Bakin	Associate Professor, Department of Cancer Genetics and Genomics, Roswell Park Comprehensive Cancer Center, Buffalo, NY	Novel Synthetic Lethality Therapeutic Strategy for p53-mutant Colorectal Cancer
Eugen Dhimolea	Assistant Professor, Albert Einstein College of Medicine, Bronx, NY	Diapause-like Quiescence as Enabler of Treatment-persistence in Cancer Cells
Laura A. Kresty	Associate Professor, Department of Surgery, Director, Thoracic Surgery Research Laboratory, University of Michigan, Ann Arbor, MI	Isoform Switching Events in Esophageal Adenocarcinoma Progression and Treatment
Cellular and Molecular Neurobiology		
Luigi Puglielli	Professor, Department of Medicine, Waisman Center, University of Wisconsin-Madison, Madison, WI	Acetylation in the Endoplasmic Reticulum and the Efficiency of the Secretory Pathway
Numan Oezguen	Assistant Professor, Texas Children's Microbiome Center, Texas Children's Hospital; Department of Pathology and Immunology, BCM, Houston, TX	Is Phenyllactic Acid for Multiple Sclerosis what Trehalose is for Clostridioides Difficile?

Yijing Su	Research Assistant Professor, Department of Neuroscience, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA	Revealing Glial Diversity and Molecular Clocks across Human Hippocampal Postnatal Lifespan and in Alzheimer's Disease using Single-Cell RNA-Seq Technology
Bin Zhang	Professor, Department of Genetics & Genomic Sciences, Icahn School of Medicine at Mount Sinai, New York, NY	Molecular Networks and Drivers of Cognitive Resilience to Alzheimer's Disease
Thanh Hoang	Assistant Professor, Department of Cell & Developmental Biology, Michigan Neuroscience Institute, University of Michigan, Ann Arbor, MI	In Vivo Regeneration of Neurons via Reprogramming Glial Cells
Edison K. Miyawaki	Assistant Professor of Neurology, Harvard Medical School; Dept. of Neurology, Brigham and Women's Hospital, Boston, MA	Revisiting a Telencephalic Extension of the Ascending Reticular Activating System. Or: How the Brain Attends to the World
Experimental Biology and Disease Physiology		
Dimitrios Spentzos	Center for Sarcoma and Connective Tissue Oncology, MGH Cancer Center; and Associate Professor, Harvard Medical School, Boston, MA	Epigenetic Patterns Define Molecular Subtypes, and Predict Clinical Outcome in Osteosarcoma
Jürgen Wess	Chief, Molecular Signaling Section, Lab. of Bioorganic Chemistry, NIDDK, NIH, Bethesda, MD	Designer GPCRs as Tools to Identify Novel Targets for the Treatment of Diabetes and Related Metabolic Disorders
Abul Hassan Samee	Assistant Professor, Department of Integrative Physiology, Baylor College of Medicine, Houston, TX	Machine Learning and Spatial Omics in Modeling Disease Mechanisms
Zhongjie Fu	Assistant Professor, Department of Ophthalmology Boston Children's Hospital/ Harvard Medical School, Boston, MA	Omics Analysis of Hyperglycemia-associated Retinal Disorder During Development
Jorg Gsponer	Professor, Department of Biochemistry and Molecular Biology, Michael Smith Laboratories, University of British Columbia, Canada	Where Protein Structure and Cell Diversity Meet
Ningning Zhao	Associate Professor, School of Nutritional Sciences and Wellness, The University of Arizona, Tucson, AZ	Dietary Manganese Intake and ZIP Metal Transporters

Hwee Goon Tay	Assistant Professor in Centre for Vision Research, DUKE-NUS Medical School, Singapore Eye Research Institute, EYE ACP, Singapore	Developing Laminin Based Photoreceptor Differentiation for Retina Degeneration
Zvezdana Kojic	Professor, Department of Physiology, Faculty of Medicine, University of Belgrade, Serbia	Aging-Associated Leydig Cell Hypofunction are Associated with Diminished Oxygen Utilization and Mitochondrial Dysfunction
Silvana Andric	Professor, Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Serbia	Mito-Sperm-Signature: A Possible New Prognostic/Diagnostic Tool to Assess Men (in/sub)fertility by Using Mitochondrial Dynamics Markers in Spermatozoa
Tatjana Kostic	Professor, Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Serbia	Impacts of Circadian Rhythm Disruption on Testicular Function
Yi-Tao Yu	Professor, Department of Biochemistry and Biophysics Center for RNA Biology Wilmot Cancer Institute, University of Rochester Medical Center, NY	Correction of Genetic Mutations in Disease Genes by RNA-guided RNA Pseudouridylation
Haiming Cao	Senior Investigator, Laboratory of Obesity and Metabolic Diseases, NHLBI, NIH, Bethesda, MD	Comprehensive Gene Profiling of the Metabolic Landscape of Humanized Livers in Mice
Arunkumar Venkatesan	Research Scientist, Bernstein Lab, Department of Ophthalmology & Visual Sciences, SUNY Upstate Medical University, Syracuse, NY	Mitochondrial Dysfunction in Exfoliation Glaucoma
Serena Milano	Assistant Professor, Department of Sciences, University of Basilicata, Italy	Beta 3 Adrenergic Receptor Agonism Enhances AQP2 and NKCC2 Trafficking/Activation in Human Kidney Tubules. A Tool for Bypassing Genetic Defects that Prevent Vasopressin-Induced Antidiuresis
Xun Ai	Professor, Department of Physiology and Cell Biology, College of Medicine/Wexner Medical Center, The Ohio State University, Columbus, OH	The Role of Stress Response Kinase JNK2 in Cardiac Pathological Remodeling: The Good and the Bad
Physiology and Pharmacology		
Zhiwei Chen	Chair, Professor of Immunology and Immunotherapy, Dept. of Microbiology, School of Clinical Medicine, LKS Faculty of Medicine of The University of Hong Kong, China	Exceptional Fitness of B Cell Receptor for Ultrapotent Neutralising Antibodies Against Emerging SARS-CoV-2 Variants

Michele Persico	Neurology Resident, Emory University School of Medicine, Atlanta, GA	The Antineoplastic Properties of Antipsychotics in Glioblastoma
Alys Peisley	Assistant Research Scientist, Life Sciences Institute, University of Michigan, Ann Arbor, MI	Exploring the Conformational Landscape of the Inwardly Rectifying Potassium Channel Kir7.1 via Missense Mutations and Chemical Modulation
Cellular & Gene Therapy		
Tae-Ho Hwang	Dept of Pharmacology, Pusan National University, South Korea	New Innovative Cancer Virotherapy Concepted by Reverse Translational Immune Study from Retrospective Analysis of Pexa-Vec Clinical Study
Hungoo Lee	Department of Molecular Biology, MGH; Department of Genetics, Harvard Medical School, Boston, MA	Site-specific R-loops Remove Root Cause of Fragile X Syndrome by Inducing CGG Repeat Contraction and FMR1 Reactivation
Dawit Kidane-Mulat	Associate Professor, College of Medicine, Department of Physiology and Biophysics, Howard University, Washington, DC	Manipulating Cancer Cell Metabolism and DNA Repair for Cancer Therapy
Poster Presentations		
Guanshu Liu	The University of Texas MD Anderson Cancer Center, Houston, TX	Aerobic Exercise Impacts the Tumor Microenvironment by Altering CAF Abundance and CAF-Activating Cytokines in Pancreatic Cancer
Kim-Tuyen Huynh-Dam	Department of Drug Discovery and Biomedical Sciences, College of Pharmacy, University of South Carolina, Columbia, SC	Effects of Monogamy in Breeding and Methylation Patterns in Deer Mice
Tatiane da Silva Fernandes	PhD candidate (ET track), Roswell Park Comprehensive Cancer Center, Buffalo, NY	Targeting IMPDH2 to Overcome Chemoresistance in TNBC
Duygu Duzgun	Department of Clinical and Biomedical Sciences, University of Exeter Medical School, UK	The Role of SRPK1 in Tumour Chemoresistance
Sheila M. Valle-Cortes	Ponce Health Sciences University, Puerto Rico	The Role of Phosphorylated Retinoblastoma Tumor Suppressor at Serine 249 in Prostate Cancer Metastasis
Joel A. Orengo	Ponce Research Institute, Ponce Health Sciences University, Ponce, Puerto Rico	AURKA and AURKB as Potential Targets to Suppress Early Metastasis in Triple-negative Breast Cancer in Women of African Ancestry
Kaitlin O'Boyle	Master of Science in Biomedical Sciences program at Philadelphia College of Osteopathic Medicine, Philadelphia, PA	The Role of PPARs During <i>Coxiella burnetii</i> Infection

Dewan Raja	Orlando College of Osteopathic Medicine, Horizon West, FL	Triglyceride as a Determinant of Diabetes Mellitus and Cardiovascular Diseases
Akraam Ali	PhD Student, Queen May University of London, UK	Molecular Characterization of Cnp3 in <i>S. pombe</i>
Kyle Song	Johns Hopkins University School of Medicine, Baltimore, MD	Predicting Antibiotic Metabolites with One and Two- Steps In Silico Biotransformations to Support Identification of Unknown Chemicals in Exposome and Metabolome Studies
Sakhawat Shah	Hubei Key Laboratory of Insect Resources Utilization and Sustainable Pest Management, College of Plant Science and Technology, Huazhong Agricultural University, People's Republic of China	Diallyl Trisulfide, A Biologically Active Component from Garlic Essential Oil, Decreases Male Fertility of <i>Sitotroga cerealella</i> via Impairing Dimorphic Spermatogenesis, Sperm Motility and Lipid Homeostasis
Y. Charlie Chen	Visiting Associate Professor of Biology, West Virginia Wesleyan College, Buckhannon, WV	Theaflavin and Cancer Cells
Vaishnavi Rathi	Defence Institute of Physiology and Allied Sciences (DIPAS), DRDO, Delhi, India	Quercetin Modulates Renin-angiotensin-aldosterone Axis Under High Altitude Stress
Lloryn Cylin	MS Student, Mercer University School of Medicine	Development of Synthetic Nanobody Library
Ishita Dhiman	Department of Cellular Biology, Harvard Medical School, Boston, MA	GUK1 is a Novel Metabolic Liability in ALK+ Lung Cancer
Richard Nathan Levy	Schekman Lab, University of California, Berkeley, CA	Investigating Proteins Associated with the α -Synuclein DNAJC5 Complex
Ian Swain	Department of Biology, Case Western Reserve University, Cleveland, OH	Gene Expression is Linked to Intestinal Tumorigenesis and Differential Tumor Morphology During Excess Iron Intake
Amal Kamal Abdel-Aziz	Smart Heath Initiative, Biological and Environmental Science and Engineering Division, King Abdullah University of Science and Technology (KAUST), Saudi Arabia	Counteracting the Resistance of FLT3-ITD+ Acute Myeloid Leukemias to FLT3 Targeting Therapy
Yishu Qiu	Molecular Signaling Section, Laboratory of Bioorganic Chemistry, National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD	Gi Signaling in Mouse Brown Fat Regulates Whole-body Glucose Homeostasis

Michelle Wei	Senior Undergraduate Student, University of Arizona Department of Molecular & Cellular Biology, Tucson, AZ	Modeling the Depth of Cellular Dormancy from RNA-sequencing Data
Ya-Chu Ku	Institute of Basic Medical Sciences, National Cheng Kung University, Taiwan	Dysregulating IGF-1-Sp1-CD248 Pathway Impairs Fibroblast Functionality in Diabetic Wound Healing
Tyrone Salters	Department of Chemistry, Physics and Materials Science, Fayetteville State University, Fayetteville, NC	Role of Epididymis in the Recognition and Elimination of Non Viable Spermatozoa
Ashwaq Alanazi	Chapman University, Irvine, CA	Identifying the Role of miR-17

We wish to see you
at
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