



Program



April 22-24, 2024

Hilton Baltimore BWI Airport Hotel Baltimore, MD

April 25, 2024

Virtual

Exhibitors

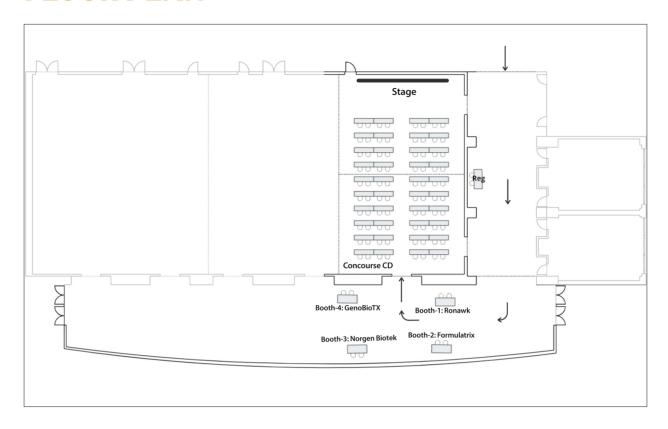








FLOOR PLAN



Meeting link (Live streaming on Zoom Platform)

Topic: 5th International Conference on Cell and Experimental Biology (CEB-2024)

Dates: Apr 22-25, 2024

Zone: Eastern Time (US and Canada)

Join Zoom Live Stream

https://us06web.zoom.us/j/83747804887?pwd=VcPqwzFTPmA5XemVXescbpmfexIb2A.1

Meeting ID: 837 4780 4887

Passcode: 527923

Day 1 April 22, 2024

Registrations: Foyer

Meeting room: Concourse C & D

Break: Foyer
Lunch: Flight Deck

Posters and Drinks: Foyer

Day 2 April 23, 2024

Meeting room: Concourse C & D

Break: Foyer

Lunch: Flight Deck

Day 3 April 24, 2024

Meeting room: Concourse C & D

Break: Foyer

Lunch: Flight Deck

Day 4 April 25, 2024

Virtual Presentations

Exhibitor

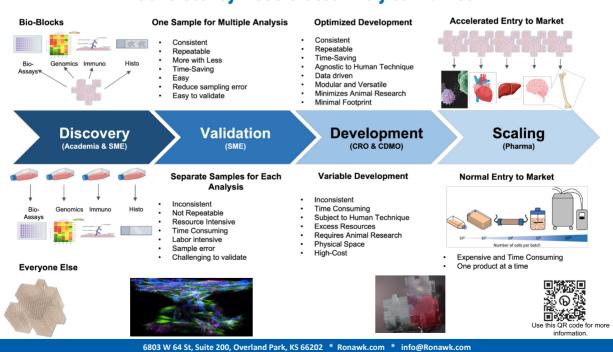


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Nucleic Acid Workflows

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Exhibitor









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Analytes









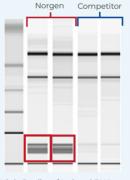
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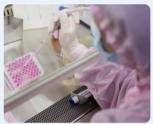
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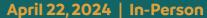
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Meeting Room: Concourse C & D

Meeting ID: 837 4780 4887 Passcode: 527923

7.30	Registrations and Badge Pickup
8.10	Welcome Speech
Keynote Talks	
	Chair: Tao Pan
8.20	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 <i>In Vivo</i>
8.50	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
9.20	Jürgen Wess, Chief, Molecular Signaling Section, Laboratory of Bioorganic Chemistry, NIDDK, NIH, Bethesda, MD Designer GPCRs as Tools to Identify Novel Targets for the Treatment of Diabetes and Related Metabolic Disorders
9.50	Tao Pan , Professor, Department of Biochemistry and Molecular Biology, University of Chicago, Chicago, IL Investigate the Epitranscriptome with New Tools
	· · ·
10.20	Exhibitor Talk - Ronawk - Scott Leigh
	Exhibitor Talk - Ronawk - Scott Leigh
	Exhibitor Talk - Ronawk - Scott Leigh 1:00 Coffee & Visit to Exhibition Booths
	Exhibitor Talk - Ronawk - Scott Leigh 1:00 Coffee & Visit to Exhibition Booths Cell and Developmental Biology
10:30-1	Exhibitor Talk - Ronawk - Scott Leigh 1:00 Coffee & Visit to Exhibition Booths Cell and Developmental Biology Chair: Debra Dianne Murray Stephanie Seveau, Professor, Department of Microbial Infection and Immunity, Ohio State University, Columbus, OH
10:30-1	Exhibitor Talk - Ronawk - Scott Leigh 1:00 Coffee & Visit to Exhibition Booths Cell and Developmental Biology Chair: Debra Dianne Murray Stephanie Seveau, Professor, Department of Microbial Infection and Immunity, Ohio State University, Columbus, OH Role of the Septin Cytoskeleton in Plasma Membrane Repair 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

12.20 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

- 12.40 Exhibitor Talk Formulatrix Daniel Fontaine
- 12.50 Exhibitor Talk Norgen Biotek Alex Chauhan
- 13:00-14:00 Networking Lunch & Visit to Exhibition Booths
- **Payel Sen**, Stadtman Investigator, Laboratory of Genetics and Genomics, National Institute on Aging, NIH, Baltimore, MD
 - **Epigenetic Mechanisms of Tissue Aging**
- 14.20 Emanuel Passos, President of the National Anti-Doping Organization of Cabo Verde Cidadela, Cape Verde Physical Exercise Prevents and Mitigates Nonalcoholic Steatohepatitis-related Hepatic Endoplasmic Reticulum Stress
- **Yi Fang***, Biologist, Metabolism, Genes, and Environment Group, Signal Transduction Lab, NIEHS, NIH, Durham, NC

Histone Crotonylation Promotes Endoderm Differentiation from Human Embryonic Stem Cells

14.55 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

Cellular & Gene Therapy

Chair: Zhe Ji

- 15.10 Tae-Ho Hwang, Department 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

- 15.45 Exhibitor Talk GenoBioTX Hua Wei
- 15:55-16:20 Coffee & & Visit to Exhibition Booths

Physiology and Pharmacology

Chair: Stephanie Seveau

- **Zhiwei Chen**, Chair, Professor of Immunology and Immunotherapy, Department 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
- **Allison Herman**, Independent Research Scholar, Translational Senescence Unit, National Institute on Aging, NIH, Baltimore, MD
 - Role of GDF15 in Cellular Communication During Vascular Senescence
- 17.00 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

17.20 Michele Persico*, Neurology Resident, Emory University School of Medicine, Atlanta, GA
The Antineoplastic Properties of Antipsychotics in Glioblastoma

Posters & Networking Reception (17.50 - 18.50)

- CEB-P01 Kaitlin O'Boyle, Master of Science in Biomedical Sciences Program at Philadelphia College of Osteopathic Medicine, Philadelphia, PA
 - The Role of PPARs During Coxiella burnetii Infection
- CEB-P02 Akraam Ali, PhD Student, Queen May University of London, UK

 Molecular Characterization of Cnp3 in Schizosaccharomyces pombe
- CEB-P03 **Tatiane da Silva Fernandes**, PhD Candidate (ET track), Roswell Park Comprehensive Cancer Center, Buffalo, NY
 - **Targeting IMPDH2 to Overcome Chemoresistance in TNBC**
- CEB-P04 Sheila M. Valle-Cortes, Ponce Health Sciences University, Puerto Rico
 The Role of Phosphorylated Retinoblastoma Tumor Suppressor at Serine 249 in Prostate
 Cancer Metastasis
- CEB-P05 Joel A. Orengo, Ponce Research Institute, Ponce Health Sciences University, Puerto Rico
 AURKA and AURKB as Potential Targets to Suppress Early Metastasis in Triple-negative
 Breast Cancer in Women of African Ancestry
- CEB-P06 Kotb Abdelmohsen, Senior Associate Scientist, Laboratory of Genetics and Genomics, National Institute on Aging, NIH, Baltimore, MD Identification of Senescent Cell Subpopulations by CITE-seq Analysis
- CEB-P07 **Ajay Kumar**, Department of Oncology and Diagnostic Sciences, School of Dentistry, University of Maryland, Baltimore, MD
 - Angiopoietin-like 4 Induces Head and Neck Squamous Cell Carcinoma Cell Migration Through the NRP1/ABL1/PXN Pathway
- CEB-P08 Y. Charlie Chen, Visiting Associate Professor of Biology, West Virginia Wesleyan College, Buckhannon, WV Theaflavin and Cancer Cells
- CEB-P09 **Lloyrn Cylin**, MS Student, Mercer University School of Medicine, Macon, GA **Development of Synthetic Nanobody Library**
- CEB-P10 Ishita Dhiman, Marcia Haigis Lab, Harvard Medical School, Boston, MA
 GUK1 is a Novel Metabolic Liability in ALK+ Lung Cancer
- CEB-P11 **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**
- CEB-P12 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
- CEB-P13 Qing Xu, Biologist, National Institute of Environmental Health Sciences (NIEHS), NIH, Durham, NC
 Liver Cancer Cells that Survive Methionine Restriction Develop Phenotypes of Persistent
 Cancer Cells
- CEB-P14 **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
- CEB-P15 Ashwaq Alanazi, Chapman University, Irvine, CA Identifying the Role of miR-17

- CEB-P16 Sibani Sengupta, Assistant Principal, Sacred Heart Academy, Hamden, CT
 Sequencing 5'UTR and Exon 1 of MSH2: A Gene Implicated in Human Colorectal Cancer
- CEB-P17 AHM Shafiqul Islam, Department of Molecular Medicine, Faculty of Molecular Tropical Medicine and Genetics, Mahidol University, Thailand

 The Influence of Temperature on the Expression Profile of Outer Membrane Profile in

The Influence of Temperature on the Expression Profile of Outer Membrane Proteins in *Acinetobacter baumannii*

CEB-P18 **Dreyton Amador**, Columbia University Irving Medical Center, New York, NY **Understanding Human Wound Healing by Modeling Tissue Injury Response In-a-dish**

Hilton Baltimore BWI Airport Hotel, Baltimore, MD
Time: Eastern Time

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Meeting Room: Concourse C & D

Meeting ID: 837 4780 4887 Passcode: 527923

Chairs: Thomas Kunkel (8.00 - 10:20) and Haitao Wen (10:50 - 14.55)

- **8.00 Ge Shan**, Professor, School of Basic Medical Sciences University of Science and Technology of China, China **Diversity of Circular RNAs: Subclasses and Functions**
- 8.20 Haitao Wen, Professor, Department of Microbial Infection and Immunity, Pelotonia Institute for Immuno-Oncology, The Ohio State University Comprehensive Cancer Center, Columbus, OH
 Multiple Functions of O-GlcNAc Transferase in Host Defense Mechanism
- 8.40 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
- **9.00 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
- 9.20 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
- **10.00 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

10:20-10:50 Coffee & Visit to Exhibition Booths

- **Special Talk: Debra Dianne Murray**, Associate Professor, Molecular and Human Genetics, Baylor College of Medicine, Houston, TX
 - Driving Innovation: Breaking Barriers by Empowering Early Career Researchers with the *All of Us* Data Platform
- **11.20 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
- **11.40 Chongyi Chen**, Stadtman Investigator, Laboratory of Biochemistry and Molecular Biology, NCI, NIH, Bethesda, MD
 - **Explore DNA Topological Tension Across the Human Genome**

12.00 Parisa Kalantari, Assistant Professor, Department of Veterinary and Biomedical Sciences, Penn State University, University Park, PA

The Two Antagonistic Pathways, Type I Interferon and Inflammasome/Gasdermin D, Control the Severity of Schistosome Immunopathology

12.20 Sayem Miah, Assistant Professor, Department of Biochemistry and Molecular Biology, WPRCI, University of Arkansas for Medical Sciences, Little Rock, AR

Beyond the Sin3/HDAC Complex: FAM60A Emerges as a Regulator of RNA Processing

12.40 David Cowburn, Departments of Biochemistry and Systems & Computational Biology, Albert Einstein College of Medicine, Bronx, NY

Integrative Spatiotemporal Map of Nucleocytoplasmic Transport

13:00-14:00 Networking Lunch & Visit to Exhibition Booths

14.00 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

14.20 Kayvon Pedram, Group Leader, Howard Hughes Medical Institute, Janelia Research Campus, Ashburn, VA Molecular Tools to Image the Glycocalyx and Extracellular Matrix

14.40 Kaustubh Wagh*, Laboratory of Receptor Biology and Gene Expression, National Cancer Institute, NIH, Bethesda, MD

Regulating Gene Expression: The Role of Transcription Factor Dynamics

Cell Signaling & Cancer Biology

Chair: Anna Bianchi-Smiraglia

14.55 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)

15.15 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

15.35 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

15.55-16:20 Coffee & Visit to Exhibition Booths

- 16.20 **Dawit Kidane-Mulat**, Associate Professor, College of Medicine, Howard University, Washington, DC **Manipulating Cancer Cell Metabolism and DNA Repair for Cancer Therapy**
- **Yinling Hu**, Senior Investigator, Cancer Innovation Laboratory, Center for Cancer Research, NCI, NIH, Bethesda, MD

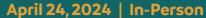
A TNFR1-UBCH10 Axis Drives Lung Squamous Cell Carcinoma Dedifferentiation and Metastasis Through a Cell-autonomous Signaling Loop

17.00 Hema Adhikari, Assistant Professor, Biochemistry & Molecular Biophysics, Washington University School of Medicine, St. Louis, MO

RAS Signaling Networks in Cancer

17.20 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





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Experimental Biology and Disease Physiology

Chairs: Xun Ai and Zvezdana Kojic

- **8.00 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
- **3.20 Jorg Gsponer**, Professor, Department of Biochemistry and Molecular Biology, Michael Smith Laboratories, University of British Columbia, Canada
 - Where Protein Structure and Cell Diversity Meet
- 8.40 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
- **9.00 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
- **9.40 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**

10:00-10:20 Coffee Break & Visit to Exhibition Booths

- 10.20 Yi-Tao Yu, Professor, Department of Biochemistry and Biophysics, Center for RNA Biology, Wilmot Cancer Institute, University of Rochester Medical Center, New York, NY
 Correction of Genetic Mutations in Disease Genes by RNA-guided RNA Pseudouridylation
- 10.40 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
- **11.00 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

Cellular and Molecular Neurobiology

Chair: Luigi Puglielli

11.20 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

- 11.40 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?
- **12.00 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
- **Arupratan Das**, Assistant Professor, Department of Ophthalmology, Department of Medical and Molecular Genetics, Indiana University School of Medicine, Indianapolis, IN
 - 5-HT1A GPCR Provides a Novel Target for Glaucoma Neuroprotection
- 12.40- Lunch & In-person Departures

Virtual Presentations

Time: Eastern Time

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Keynote Talks

Chair: Sebastian Oltean

- **13.30 George A. Calin**, Professor, Department of Translational Molecular Pathology, The University of Texas MD Anderson Cancer Center, Houston, TX
 - **About Patterns, Non-coding RNAs and Cancer Therapy**
- 14.00 Kenneth M. Yamada, NIH Distinguished Investigator, Chief, Cell Biology Section, NIDCR, NIH, Bethesda, MD Cell-Matrix Dynamics in Development and Cancer
- **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

Experimental Biology and Disease Physiology

Chair: Edison K. Miyawaki

- 15.00 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**
- 15.20 Hilal Kalkan, University of Laval, Canada

Dysfunctional Gut Microbiota-endocannabinoid System Interplay in Rare Skeletal Muscle Myopathies: An Intricate Relationship That Must Be Taken into Consideration

- 15.40 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
- 16.00 Ningning Zhao, Associate Professor, School of Nutritional Sciences and Wellness, The University of Arizona, Tucson, AZ
 - **Dietary Manganese Intake and ZIP Metal Transporters**
- 16.20 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
- 16.40 Edison K. Miyawaki, Assistant Professor of Neurology, Harvard Medical School; Department 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

- 17.00 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
- 17.20 Arunkumar Venkatesan*, Research Scientist, Bernstein Lab, Department of Ophthalmology & Visual Sciences, SUNY Upstate Medical University, Syracuse, NY
 - **Mitochondrial Dysfunction in Exfoliation Glaucoma**
- 17.35 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**
- 17.55 Abul Hassan Samee, Assistant Professor, Department of Integrative Physiology, Baylor College of Medicine, Houston, TX
 - Machine Learning and Spatial Omics in Modeling Disease Mechanisms
- 18.15 Brady Jin-Smith*, Department of Pathology, Tulane University, New Orleans, LA A Novel YAP-ALDH1A1 Axis Promotes Hepatocellular Carcinoma Resistance to Sorafenib



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Cell Signaling & Cancer Biology

	Chair: Yong Lu
8.15	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
8.30	Antoine A. Khalil, Assistant Professor, Center for Molecular Medicine (CMM) at the University Medical Center (UMC) Utrecht, The Netherlands A YAP-centered Mechanotransduction Loop Drives Collective Breast Cancer Cell Invasion
8.50	Sebastian Oltean , Associate Professor in Experimental Medicine and Therapeutics, Department of Clinica and Biomedical Sciences, University of Exeter Medical School, UK SRPK1 as Determinant of Chemoresistance in Cancer Therapy
9.10	Irina Matei, Assistant Professor, Departments of Pediatrics, Cell & Developmental Biology, Weill Cornell Medicine, New York, NY Extracellular Vesicles: A Conserved Inter-cellular Communication System
9.30	Eugen Dhimolea, Assistant Professor, Albert Einstein College of Medicine, Bronx, NY Diapause-like Quiescence as Enabler of Treatment-persistence in Cancer Cells
9.50	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
10.10	Chi Li, Associate Professor, Experimental Therapeutics Group, Brown Cancer Center, Department of Medicine, University of Louisville, Louisville, KY A Lung Cancer Vaccine Based on Embryonic Stem Cells
10.30	Sibaji Sarkar, Quincy College, MBC College, RC College, Boston, MA Carcinogenesis and Combination Therapy
10.50	Yong Lu, Associate Professor, Houston Methodist Research Institute, Weill Cornell Medicine, New York, NY A New Th9 Cell Paradigm for Adoptive Cell Therapy
11.10	Poster: 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

Cell and Developmental Biology

Chair: Eugen Dhimolea

11.20 Merrill B. Hille, Professor Emerita, Department of Biology, University of Washington, Seattle, WA

Dynamic Regulation of Cell Adhesion and Cell Motility Governs the Formation of the

Embryonic Axis in Vertebrate Embryos

- 11.40 Hannele Ruohola-Baker, Professor, Department of Biochemistry, Associate Director, ISCRM, University of Washington, School of Medicine, Seattle, WA
 - **Decoding Regeneration Using Computer Designed Proteins**
- **12.00** Adam Johnston, Professor, Department of Medical Neuroscience, Dalhousie University Life Sciences Research Institute, Canada
 - Defining Underexplored Vascular and Mesenchymal Progenitors is Skeletal Muscle Homeostasis and Growth
- 12.20 Francesco Manfrevola*, Department of Experimental Medicine, University of Campania Luigi Vanvitelli, Italy Novel Insights into circRNA Saga Coming from Spermatozoa and Epididymis of HFD Mice

We wish to see you at CEB-2025 (Houston, TX)

Exhibitors











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