

MBGSO Annual Graduate Student Symposium March 26, 2021

PROGRAM

Notes:

- All session times for the MBGSO Virtual Symposium are U.S. Eastern Daylight Time (EDT).
- All oral presentations will be in the main Zoom room.
- Poster presentations will be available from 3:30 p.m. EDT onwards in the Zoom breakout rooms.

WELCOME REMARKS (MAIN ZOOM ROOM)

2:00 - 2:05 P.M.

SPEAKER 1:

2:05 P.M.- 2:30 P.M.

Long-reads show nature & nurture modulates gut microbiota over time.

Robert A. Dowden, Dept. of Kinesiology & Health

SPEAKER 2:

2:30 P.M.- 2:50 P.M.

Roles for astrocytic RIPK3 signaling in Parkinson's disease pathogenesis

Nydia P.Chang, Dept. of Cell Biology and Neuroscience

BREAK

2:50 - 3:00 P.M.

SPEAKER 3:

3:00 P.M.- 3:20 P.M.

Targeted Therapeutic Strategies in Non-small Cell Lung Cancer

Gina M. Castellano, Dept. of Cellular and Molecular Pharmacology

POSTER SESSION (BREAKOUT ROOMS)

3:30 - 5:00 P.M.

BREAK (OPTIONAL)
4:00 – 4:10 P.M.

CLOSING REMARKS (MAIN ZOOM ROOM)
5:00 P.M.

POSTER TITLES & LOCATIONS

Location	Poster Title	Presenter
Breakout Room 1	Tafa3 affects synaptogenesis and photoreceptor outer segment development in the retina	Tianyue Fu
Breakout Room 2	Tissue-Specific Tumorigenesis in Multiple Endocrine Neoplasia Type 1	Juliet C. Gardner
Breakout Room 3	Effects of Terminal Electron Acceptor introduction on Methicillin Resistant Staphylococcus aureus fermentative biofilm dispersal	Franklin Román-Rodríguez
Breakout Room 4	SOX4 and SMARCA4 upregulate glycolysis-driven tumor proliferation through Hexokinase 2 in Triple Negative Breast Cancer	Pooja Khanna
Breakout Room 5	Role of a tRNA modification enzyme in antimicrobial peptide stress response in bacteria	Samuel A Adeleye
Breakout Room 6	Targeting hepatic kisspeptin receptor ameliorates non-alcoholic fatty liver disease	Stephania Guzman
Breakout Room 7	Estrogen Deficiency and Diet Differentially Regulate Goblet Cell Count, Inflammation, and Mucus in Gut	Candace R Longoria
Breakout Room 8	Predicting aneuploidy rate in IVF patients using exome sequencing	Siqi Sun
Breakout Room 9	Grape polyphenols attenuate diet-induced obesity and hepatic steatosis in mice in association with reduced butyrate and increased markers of intestinal carbohydrate oxidation	Esther Mezhibovsky

Breakout Room 10	Identification of properties of meiotic midbodies in mouse oocytes	Gyu Ik Jung
Breakout Room 11	Role of innate-like regulatory T cells in intestinal homeostasis and inflammation	Agata Krzyzanowska
Breakout Room 12	An aggresome-like collection mechanism functions in neuronal expulsion of disease-aggregates	Meghan Lee Arnold
Breakout Room 13	Mechanism of Par3 mediated regulation of dendritic spine plasticity	Mikayla Voglewede
Breakout Room 14	The structure – function relationship of a signaling competent, dimeric Reelin fragment	Liam Turk
Breakout Room 15	GCN2 Ablation Strengthens the Diurnal Rhythm of Energy Expenditure in Mice	Jordan L. Levy
Breakout Room 16	Functions of histone acetyltransferases KAT2A and KAT2B in intestinal homeostasis and colon cancer.	Uyen Nguyen
Breakout Room 17	More Than Just a Linker: The Intrinsically Disordered CARD2-Hel1 Linker of RIG-I Regulates RNA-binding and CARDS Autoinhibition	Brandon Schweibenz
Breakout Room 18	Design of CD36 Receptor-Binding Amphiphilic Macromolecule Nanoparticles For Attenuation of Alpha Synuclein-Induced Microglial Activation	Nanxia Zhao
Breakout Room 19	Defining the Role of EP300 in DNA Replication, DNA Damage Response, and DNA Repair in Adult T-cell Leukemia/Lymphoma cells.	Angelica Maria Barreto-Galvez
Breakout Room 20	Multiplatform analyses identify upregulated hematopoietic cell kinase activity in poorly prognostic high-grade serous ovarian cancer and its role in promoting tumor aggressiveness	Christen A. Khella
Breakout Room 21	Genetic and Functional Analysis of Benzoate Degradation in <i>Sphingomonas wittichii</i> RW1	Igor Ivanovski
Breakout Room 22	Associations between Hormonal Contraceptive Use, Sleep and Body Composition in Young Adult Women	Traci McCarthy
Breakout Room 23	Mice with Targeted Deletion of ARC Kisspeptin Exhibit Immature Gametogenesis and Impaired Fertility	Nimisha Nandankar

Breakout Room 24	Cannabidiol attenuates gut inflammation and bone loss in a murine model of post-menopause	Ke Sui
Breakout Room 25	Caesarean delivery's effect on early life neurodevelopment	Jeremy K. Lessing
Breakout Room 26	Light entrainment of the Suprachiasmatic Nucleus circadian clock and implications for personalized alterations in cortisol rhythms in shift work and jet-lag	Yannuo Li
Breakout Room 27	Fructose and glucose behave like partial agonists for sweet taste	Emily C. Hanselman