



22nd ANNUAL MEETING OF THE LBRN – 2024

Friday January 19th, 2024

Closed Door Steering Committee Meeting with EAC and core liaisons

11:00 AM – 3:00 PM

Break: Refreshments

3:00 PM – 3:30 PM

Welcome: Kousoulas and Garden

3:30 PM – 4:00 PM

Keynote: Ram Samudrala Ph.D.

4:00 PM – 5:00 PM

Title: CANDO and the infinite drug discovery frontier

Poster Session 1 (Odd number abstracts)

5:00 PM – 6:00 PM

Deans address: Oliver A. Garden DVM Ph.D.

6:00 PM – 6:30 PM

❖ DINNER: Reception

6:30 PM – 8:00 PM

Saturday January 20th, 2024

❖ BREAKFAST

7:00 AM – 8:00 AM

Morning Session

8:00 AM – 12:05 AM

Information Session: Chris Taylor “NIGMS Sandbox: A Cloud-Based Learning Platform”

8:00 AM – 8:30 AM

Welcome: Kousoulas and Stanfield

8:30 AM – 8:45 AM

Keynote: Charlie Wood (Confirmed)

8:45 AM – 9:45 AM

Break: Refreshments

9:45 AM – 10:00 AM

Full Project: Jean Christopher Chamcheu “Development of fisetin as a novel inhibitor co-targeting PI3K/AKT/mTOR/Rac1 and IL-17A”

10:00 AM – 10:25 AM

Full Project: Siva Murru “Development of Pyrazoles and Related Heterocyclic Compounds as Anti-Cancer Agents”

10:25 AM – 10:50 AM

Break: Refreshments

10:50 AM – 11:00 AM

Full Project: Vonny Salim “Elucidation of Plant-Derived Drug Biosynthetic Pathways and Molecular Mechanisms”

11:00 AM – 11:25 AM

Full Project: Kyle Piller “Life in the fast lane: Testing for congruence among transcriptomic signatures”

11:25 AM – 11:50 AM

Full Project: Omer Soysal “MindPrint: Exploring uniqueness of individuals' brain signals”

11:50 AM – 12:15 AM

❖ LUNCH

12:15 PM – 1:00 PM

Afternoon Session

1:00 PM – 6:00 PM

Short TALKS: Additional Projects (7-minute talks 3 minutes for questions)

1:00 PM – 2:20 PM

Pilot Project: Marisa Connell “Kin17 promotes EMT in breast cancer via changes in splicing”

1:00 PM – 1:10 PM



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Pilot Project: Rao Uppu “Oxidized Cholesterol in Amyloid Aggregation and Neuronal Cell Apoptosis”	1:10 PM – 1:20 PM
Pilot Project: Audrey Kim “Role of adipocyte-hepatic stellate cell cross talk in liver fibrosis”	1:20 PM – 1:30 PM
Pilot Project: Santosh D'Mello “Role of MeCP2 in neurogenesis”	1:30 PM – 1:40 PM
Pilot Project: Justin Anderson “Variation in replication of bacteriophages infecting <i>Microbacterium foliorum</i> ”	1:50 PM – 2:00 PM
Start-Up Project: Pradip Panta “Effect of sodium bicarbonate on antimicrobial resistance”	2:00 PM – 2:10 PM
Break: Refreshments	2:10 PM – 2:25 PM
Full Project: Georgios Matthaiolampakis “miR-mediated Inhibition of Lung Cancer Progression”	2:25 PM – 2:50 PM
Full Project: Mary Caldorera-Moore “Multifunctional Living Stem Cell-Laden Hydrogel Networks for Directed Tissue Regeneration”	2:50 PM – 3:15 PM
Full Project: Vladimir Kolesnichenko “Nano particulate magnetic imaging Agents for Cancer Diagnostic”	3:15 PM – 3:40 PM
Break: Refreshments	3:40 PM – 3:55 PM
Pilot Project: Prakash Nair “Assessment of nanoparticle based formulations for antibacterial and antibiofilm effect”	3:55 PM – 4:10 PM
Pilot Project: Stassi DiMaggio “Development of a Targeted Dual Acting Drug Delivery System”	4:10 PM – 4:25 PM
Pilot Project: Pradip Panta “Effect of sodium bicarbonate on colistin heteroresistance in <i>Klebsiella pneumoniae</i> ”	4:25 PM – 4:40 PM
Pilot Project: Sanjay Batra “Role of Lipid Rafts, Exosomes, and Epigenetic factors in accumulation/activation of proteasomes”	4:40 PM – 4:55 PM
Pilot Project: Nektarios Barabutis “Somatostatin analogs in endothelial hyperpermeability”	4:55 PM – 5:10 PM
Break: Refreshments	5:10 PM – 5:25 PM
Translational Project: Yong-Yu Liu “Targeting p53 Mutants Reboots Anticancer Immunity”	5:25 PM – 5:40 PM
Start-Up Project: John Rakus “Characterization of Hsc70 interactions regulating LPS stimulated RAW264.7 cells”	5:40 PM – 5:50 PM
Start-Up Project: Hailey Barnett “Development of a modeling system for hydrogel-based drug delivery predictions”	5:50 PM – 6:00 PM
Start-Up Project: Justin Anderson “Effects of environmental contaminants on mosquito development & virus replication”	6:00 PM – 6:10 PM
Refreshments (Beer/wine)	6:10 PM – 8:00 PM
Poster Session 2 (Even number Abstracts)	6:10 PM – 7:10 PM
❖ DINNER (Concurrent with poster session)	6:45 PM – 8:00 PM
Awards and Closing Remarks	8:00 PM – 8:30 PM



22nd ANNUAL MEETING OF THE LBRN – 2024

Sunday January 21st, 2024

❖ **BREAKFAST and discussion on competitive renewal**

7:00 AM – 9:00 AM