



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

(Box Lunch for Attendees and Soft drinks will be provided)

Registration & Light Refreshments: 2:00 PM – 3:30 PM

(All Attendees)

Kousoulas Welcome Remarks 3:30 PM- 3:50 PM

22nd LBRN Annual Meeting Survey Overview 3:50 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

Welcome Remarks: Oliver A. Garden DVM Ph.D. Dean of LSU Vet Med 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

Welcome: Kousoulas and Stanfield 8:00 AM – 8:15 AM

Information Session: Chris Taylor “NIGMS Sandbox: A Cloud-Based Learning Platform” 8:15 AM – 8:45 AM

Keynote: Charlie Wood 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



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❖ 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

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 *Microbacterium foliorum*”

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 *Klebsiella pneumoniae*”

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

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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

Sunday January 21st, 2024

❖ BREAKFAST & DEPARTURES (for all)	7:00 AM – 9:00 AM
❖ Separate Breakfast for close door EAC and Steering Committee	