



# LBRN 22<sup>nd</sup> ANNUAL MEETING OF THE LBRN – 2024

## Friday January 19<sup>th</sup>, 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	3:55 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
<b>Welcome Remarks: Oliver A. Garden DVM Ph.D. Dean of LSU Vet Med</b>	6:00 PM – 6:30 PM
❖ <b>DINNER: Reception</b>	6:30 PM – 8:00 PM

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## Saturday January 20<sup>th</sup>, 2024

❖ <b>BREAKFAST</b>	7:00 AM – 8:00 AM
<b>Morning Session</b>	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
<b>Short TALKS: Additional Projects (7-minute talks 3 minutes for questions)</b>	<b>1:00 PM – 2:20 PM</b>
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 <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



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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
❖ <b>DINNER (Concurrent with poster session)</b>	6:45 PM – 8:00 PM
Awards and Closing Remarks	8:00 PM – 8:30 PM

## **Sunday January 21st, 2024**

❖ <b>BREAKFAST &amp; DEPARTURES (for all)</b>	<b>7:00 AM – 9:00 AM</b>
❖ <b>Separate Breakfast for close door EAC and Steering Committee</b>	