

**LBRN 19<sup>th</sup> Annual Meeting**  
**Louisiana State University**  
**Via Zoom**  
**February 12 & 13, 2021**

<b>Day 1, Friday</b>		
<b>Time Begin</b>	<b>Time Ends</b>	<b>Event</b>
11:30 AM	Open	<i>Registration (login check)</i>
11:45 AM	12:00 PM	<i>Introduction</i>
12:00 PM	12:30 PM	<b>AREA – R15 Overview, Dr. Alexandra Ainsztein, NIH</b>
12:30 PM	1:30 PM	<b>AREA - R15 Grants Panel discussion – Panel Members:</b> <b>Dr. Alexandra Ainsztein, NIH</b> <b>Dr. Eduardo Martinez-Ceballos, SUBR</b> <b>Dr. Hector Biliran, XULA</b> <b>Dr. Kevin E. Riley, XULA</b> <b>Dr. Sanjay Batra, SUBR</b> <b>Dr. Seetharama Jois, ULM</b> <b>Chair:</b> <b>Dr. Samithamby Jeyaseelan (Jey), LSU</b>
1:30 PM	1:40 PM	<b>Introductory Remarks, Dr. Krishan Arora, NIGMS/NIH</b>
1:40 PM	1:55 PM	<b>Drs. Trutschl / Nam - INBRE/ COBRE Supplement, LSU-S/LSUHSC-S</b>
1:55 PM	2:10 PM	<b>Dr. David Mills Translational. Project, LATECH</b>
2:10 PM	2:25 PM	<b>Dr. Jamie Newman Translational. Project, LATECH</b>
2:25 PM	2:40 PM	<b>Dr. Seetharama Jois Translational. Project, ULM,</b>
2:40 PM	2:55 PM	<b>Drs. Cvek/Nadejda - Maternal Health Supplement, LSU-S</b>
2:55 PM	3:00 PM	<b>BREAK</b>
3:00 PM	3:30 PM	<b>Bioinformatics Core Presentation (Christopher Taylor)</b>
3:30 PM	4:00 PM	<b>Molecular Biology Core Presentation (Yong-Hwan Lee)</b>
4:00 PM	4:05 PM	<b>Closing remarks for Day 1</b>
<b>Day 2, Saturday</b>		
<b>Time Begin</b>	<b>Time Ends</b>	<b>Event</b>
7:30 AM	Open	<i>Registration (Conference)</i>
8:15 AM	8:30 AM	<i>Introduction</i>
8:30 AM	9:30 AM	<b>Keynote Talk - Dr. Ram Samudrala, Univ. at Buffalo</b>
9:30 AM	9:50 AM	<b>Dr. Garlapati Srinivas Full Project, ULM</b>
9:50 AM	10:00 AM	<b>BREAK</b>
10:00 AM	10:20 AM	<b>Dr. April Wright Full Project, SELU</b>
10:20 AM	10:40 AM	<b>Dr. Xiaoping Yi Full Project, SUBR</b>
10:40 AM	11:00 AM	<b>Dr. Paul Kim Full Project, GSU</b>
11:00 AM	11:20 AM	<b>Dr. Anup Kundu Full Project, XULA</b>
11:20 AM	11:40 AM	<b>Dr. Karen Zhang Full Project, XULA</b>
11:40 AM	12:00 PM	<b>Dr. Waneene Dorsey Full Project, GSU</b>
12:00 PM	1:00 PM	<b>LUNCH</b>
1:05 PM	1:30 PM	<b>Graduate Student Flash Talks 4 minutes each</b> <b>Rizwana Begum, SUBR</b> <b>Anne Hancock/John Neal, ULM</b> <b>Jolin Rodrigues, LATECH</b> <b>Shilpa Thota, SUBR</b>
1:40 PM	2:25 PM	<b>Poster Session 1, Breakout Rooms (see page 2)</b>
2:30 PM	3:15 PM	<b>Poster Session 2, Breakout Rooms (see page 2)</b>
3:15 PM	3:35 PM	<b>BREAK</b>
3:35 PM	3:50 PM	<b>AWARDS</b>
4:00 PM	4:40 PM	<b>EAC, SC, Core Directors, &amp; Admin Mtg</b>

**LBRN 19<sup>th</sup> Annual Meeting**  
**Louisiana State University**  
**Via Zoom**  
**February 12 & 13, 2021**

LBRN Annual Meeting Poster Summary – iPosterSession Gallery [https://lbrn2021am-lsu.ipostersessions.com/Default.aspx?s=lbrn\\_2021\\_gallery](https://lbrn2021am-lsu.ipostersessions.com/Default.aspx?s=lbrn_2021_gallery)

ID#	Sess/Rm	Name	iPoster Title	Institution
1	1, Rm 1	Sagun Poudel	Novel polymeric nanocarrier for oral administration of nucleic acids against colon cancer	ULM
2	1, Rm 2	Shilpa Thota	Pentachlorophenol mediated regulation of cannabinoid receptor-mediated signaling (in vitro)	SUBR
3	1, Rm 3	Rizwana Begum	Urolithins rescue e-cigarette vapor condensate induced distinct histone signatures-in vitro study	SUBR
4	1, Rm 4	Omer Soysal	Development of a proto-type fNIR system for measuring brain hemodynamic	SELU
5	1, Rm 5	Nandini Bidarimath	Molecular Chaperones and Caspase family proteins: Role and Regulation in Diesel Particulate Extract challenged cells	SUBR
6	1, Rm 6	Samuel Boateng	Maximizing the medicinal value of Graviola (Annona Muricata) in skin cancer management	ULM
7	1, Rm 7	Xiaoping Yi	A genome scale screen reveals differential transcription of cancer relative genes induced by FBD in prostate cancer cells	SUBR
8	1, Rm 8	Samuel Hickey	Hierarchical Deep-Fusion Learning for Computer Aided Detection of Tumors	SELU
9	1, Rm 9	Mohammad Shohel Akhter	Involvement of the unfolded protein response in the protective effects of growth hormone releasing hormone antagonists in the lungs.	ULM
10	1, Rm 10	Khadeja-Tul Kubra	Luminespib counteracts the Kifunensine-induced lung endothelial barrier dysfunction	ULM
11	1, Rm 11	Mohammad Afaz Uddin	Hsp90 inhibition protects the brain microvascular endothelium against oxidative stress	ULM
12	1, Rm 12	Homyra Tasnim	Investigating the FMN binding site in the mitochondrial outer membrane protein mitoNEET with FMN analogs	LSU
13	1, Rm 13	Kun Zhang	Effective Cancer Subtype and Stage Prediction via Dropfeature-DNNs	XULA
14	1, Rm 14	Phillip Kilgore	Establishing a Protocol for Activating the Massive Transfusion Protocol for Air Medical Service Trauma Patients	LSU-S
15	1, Rm 15	Anusha Elumalai	Making Strontium-Coated Clay Nanoparticles For Bone Regeneration	LATECH
16	1, Rm 16	Marjan Trutschl	Pharmacometabolomics and Pharmacoproteomics Analysis for Cardiovascular Disease	LSU-S
17	1, Rm 17	Camaray Rouse	Computational Binding Analysis of Human Serum Albumin with Antiviral Compound Umifenovir (Arbidol)	LSU-S
18	1, Rm 18	Siva Murru	1,3-Diarylpyrazol-5-ones as Potential Anticancer Agents for Non Small Cell Lung Cancer: Synthesis and Cytotoxic Evaluation	ULM
19	1, Rm 19	Matthew Hayes	Unambiguous Computational Prediction of eccDNA in Cancer Genomes	XULA
20	1, Rm 20	Urska Cvek	Substance Abuse Trends in North Louisiana Young Women of Child Birth Age and Children	LSU-S
21	1, Rm 21	Anne Hancock	Functional Annotation and Comparative Analysis of Two Gordonia terrae Phages - Dexdert (Cluster DE3) and Schwartz33 (Cluster DJ)	ULM
22	1, Rm 22	Duaa Alawad	Reconstructing gene regulatory network for the differentiation of hematopoietic stem cells	UNO
23	1, Rm 23	Emily Meaney	The Influence of MED12 Knockdown on Adipogenesis	LATECH
24	1, Rm 24	Md Wasi Ul Kabir	An Improved Machine Learning Method to Predict the Backbone Torsion Angle Fluctuations from a Protein Sequence	UNO
25	2, Rm 1	Tithi Roy	Data-Driven Evaluation of New Synthetic Fisetin Analogs Identify Kinase Inhibitors with Anti-Skin Cancer Activities	ULM
26	2, Rm 2	Caryn Butler	Quantification of Double Minute Chromosome Touch Patterns in Hi-C Sequencing Data	XULA
27	2, Rm 3	Remmington Bishop	Computational-Aided Drug Discovery of Anti-Viral Therapeutics for COVID-19	LSU-S
28	2, Rm 4	Antwine McFarland	Design of a Novel Antimicrobial/Antiviral Filtration System	LATECH
29	2, Rm 5	John Cart	Notch Signaling Plays a Key Role in Regulating Adult Stem Cell Osteogenic Differentiation	LATECH
30	2, Rm 6	Lauren Griffin-Scudari	Expression vectors for expression of Human HPRT and LDH variant in recombinant E. coli	SELU
31	2, Rm 7	Anup Kundu	Targeted Delivery of Doxorubicin Liposomes for Her-2+ Breast Cancer Treatment	XULA
32	2, Rm 8	Abubakar Abdulkadir	Diesel Particulate Extract induces Cannabinoid Receptors mediated Signaling: an in silico and in vitro study	SUBR
33	2, Rm 9	April Wright	RevKnitR: An integration of Bayesian phylogenetics with the R programming environment	SELU
34	2, Rm 10	William Yu	Surface Enhanced Fluorescence of Metal Nanostructures	LSU-S
35	2, Rm 11	Vonny Salim	In-Silico Analysis for Characterization of Biosynthetic Genes from Anticancer Alkaloid-producing Medicinal Plants	LSU-S
36	2, Rm 12	Jean Christopher Chamcheu	Topically applied fisetin ameliorates psoriasiform dermatitis in Balb/c mice	ULM
37	2, Rm 13	Achyut Dahal	Conformationally Constrained Multicyclic Grafted Peptidomimetic as an Immunomodulator in Rheumatoid Arthritis	ULM
38	2, Rm 14	Matthew Overturf	Autism Spectrum Disorder in Zebrafish (Danio rerio) after Exposure to Four Organophosphate Pesticides	ULM
39	2, Rm 15	Paul Kim	TTR overexpression in HepG2 cells: secretion vs retention?	GSU
40	2, Rm 16	Jafrin Jobayer Sonju	Novel pH-Sensitive Liposome Formulation of Peptidomimetic-Doxorubicin Conjugate for Enhanced, Site Specific and Targeted Delivery of Anticancer Conjugate on HER2 Positive Lung and Breast Cancer	ULM
41	2, Rm 17	Emmanuel Williams	Elevated Oxygen Consumption Rate in Response to Acute Low-Glucose Stress: Metformin Restores Rate	SUBR
42	2, Rm 18	Rami Al-Horani	Inhibition of FXIIIa by Sulfonated Molecules as Potential Avenue to Novel Anticoagulants	XULA
43	2, Rm 19	Joseph Chaney	Understanding the Role of the Conformational Changes in the Kinesin-5 on Processivity and Inhibition	XULA
44	2, Rm 20	Taylor Austin	Comparison of Differential Gene Expression in Cultured Human Tissue exposed to Human Rhinovirus 16 and Carbamate/Organophosphate Pesticides	GSU
45	2, Rm 21	Derrick Mullins	Simulating Double Minute Chromosomes using Java	XULA
46	2, Rm 22	Devika Dua	Using Machine Learning to Discover Factors Impacting Healthcare Insurance Coverage	CCHS - Ruston
47	2, Rm 23	Jolin Rodrigues	Design of an Arbidol-based antiviral compound library for virtual screening against SARS-CoV-2	LATECH