

Thursday, March 20th, 2025

#	Introduction			Time
1	Dr. Konstantin Kousoulas (PI) / Dr. Seetharama Jois (Program Coordinator)			9:00 – 9:20 AM
Pilot project session – 10 + 5 min each –				
#	Name	Project type	Title	Time
2	Dr. Steven Ludtke CryoEM Core Baylor Medical College	Keynote:	- Molecular structure and variability in vitro and in situ with CryoEM and CryoET	9:20 – 10:00 AM
Break				
3	Pilot n1	Pilot	Dr. Mr Ekhtear Hossain - <i>Role of the SARS-CoV-2 Spike (S1) Protein on LOX-1 Receptor Expression in Macrophages</i>	10:15 – 10:30 AM
4	Pilot n2	Pilot	Dr. Srinivas Garlapati - <i>Antigenic variation in the protozoan parasite Giardia lamblia</i>	10:30 – 10:45 AM
5	Pilot n3	Pilot	Dr. James Cho - <i>The Development of the 'Fight Bacteria with Bacteria (F2B)' Methodology: Using Current Pathogenic Bacteria Models to Uncover a Probable Core Mechanism for Treating Newly Emerging Pathogenic Bacteria</i>	10:45 – 11:00 AM
6	Pilot n4	Pilot	Dr. Michael Wells - <i>The nanoparticulate elixir of microbial alchemists: Assessing the antibiotic efficacy and anticancer potency of microbially generated gold and selenium nanoparticles</i>	11:00 – 11:15 AM
7	Pilot n5	Pilot	Dr. Md Tamjidul Hoque - <i>Exploring Toggle Proteins: Bridging Ordered and Disordered States with Explanatory Insight</i>	11:15 – 11:30 AM
Lunch				
Start-up session – 10 min each –				
8	Start-up n1	Start-up	Dr. Justin Anderson - <i>Effects of environmental contaminants on mosquito development & virus replication</i>	12:30– 12:40 PM
9	Start-up n2	Start-up	Dr. Christopher Bolden - <i>Evaluating the role of reactive astrocytes in glioblastoma metastasis utilizing a modular 3-D in vitro platform</i>	12:40 – 12:50 PM
10	Start-up n3	Start-up	Dr. Ahmed Humayan Kabir - <i>Harnessing Microbial Symbiosis to Biofortify Iron in Garden Pea for Combating Human Anemia</i>	12:50 – 1:00 PM
Break				
11	Dr. Seetharama Jois & Ojasvi Dutta	-	DRPP Update	1:15 – 1:30 PM
12	Dr. Mehedi Hasan & Dr. Emmanuelle Ruiz	Core	Bioinformatics, Biostatistics, and Computational Biology Core	1:30 – 1:45 PM
13	Dr. Chouljenko & Dr. Kousoulas	Core	Molecular and Cell Biology Resources Core	1:45 – 2:00 PM
Break				

Flash talk - Summer Students - session – 5 min each –				
14	Flash talk n1	Flash talk	Treiveanna Jenkins	2:15 – 2:20 PM
15	Flash talk n2	Flash talk	Heather Parker	2:20 – 2:25 PM
16	Flash talk n3	Flash talk	Archana Shrestha	2:25 – 2:30 PM
17	Flash talk n4	Flash talk	Tobechukwu Aghadi	2:30 – 2:35 PM
18	Flash talk n5	Flash talk	Dahlia Alkadi	2:35 – 2:40 PM
19	Flash talk n6	Flash talk	Sabina Dahal	2:40- 2:45 PM
20	Flash talk n7	Flash talk	Jude Cox	2:45 – 2:50 PM
21	Flash talk n8	Flash talk	Bridget Adeola	2:50- 2:55 PM
22	Q&A	-	-	3:00-3:30 PM

Friday, March 21th, 2025

#	Name	Project type	Title	Time
1	Dr. Oliver Garden – Dean, LSU SVM		Welcome & Opening Remarks	9:00 – 9:10 AM
2	Ojasvi Dutta/Sonalika Ray	Core	LBRN Training Platform	9:15 – 9:50 AM
Full project session – 15 + 5 min each –				
3	Dr. Seetharama Jois	Keynote	<i>Dimerization, Dynamics, Drug Design, and Signaling: Structural Biology of EGFR Receptors</i>	9:50 – 10:30 AM
Break				
4	Full project n1	Full project	Dr. Omer Soysal - <i>MindPrint: Exploring uniqueness of individuals' brain signals</i>	10:45 – 11:05 AM
5	Full project n2	Full project	Dr. Kimberlee Mix - <i>Regulation of orphan receptor NR4A2: adopting a novel target for osteoarthritis</i>	11:05– 11:25 AM
6	Full project n3	Full project	Dr. Allyn Schoeffler - <i>Molecular specificity determinants in erythromycin resistance methyltransferases</i>	11:25– 11:45 AM
7	Full project n4	Full project	Dr. Mary Calderera-Moore - <i>Multifunctional Living Stem Cell-Laden Hydrogel Networks for Directed Tissue Regeneration</i>	11:45 – 12:05 PM
Lunch				
8	Full project n5	Full project	Dr Stassi DiMaggio - <i>Development of a Targeted Photorelease Drug Delivery System</i>	12:45– 1:05 PM
9	Full project n6	Full project	Dr. Vladimir Kolesnichenko - <i>Nano particulate magnetic imaging Agents for Cancer Diagnostic</i>	1:05 – 1:25 PM
10	Full project n7	Full project	Dr. Nektarios Barabutis - <i>NEK2 in Endothelial Barrier Dysfunction</i>	1:25 – 1:45 PM
11	Full project n8	Full project	Dr. Marisa Sue Connell - <i>Identifying the mechanisms by which Kin17 promotes EMT</i>	1:45 – 2:05 PM
Awards and closing remarks				2:05 – 2:45 PM
EAC meet with Steering Committee (closed meeting)				3:00 – 4:00 PM