

12th Biennial All Iowa Virology Symposium

Registration, refreshments, and meals will be in MERF foyer

All oral sessions will be held in 2117 MERF – please no food or drink in the auditorium

Friday, March 1st			
		Speaker	Title
9:00-9:50	Coffee and Registration		
9:50-10:00	Welcome	Jessica Tucker, UI	
10:00-11:00	Keynote I	Tiffany Reese, UTSW	Viral Exploitations of the Host – From Cell Death to Parasite Co-infection
11:00-12:20	Workshop I	Moderator: Jack Stapleton	Virus Replication, Transcription and Packaging
11:00-11:20	<p>Marla Shaffer, UI, Roller lab</p> <p>Combination of genetic suppressors of a nuclear egress defect reveals novel functional interaction of ORF24 and ICP22 during HSV-1 infection</p>		
11:20-11:40	<p>Olufemi Fasina, ISU</p> <p>Parvovirus modulates and recruits N6-methyladenosine (m⁶A) proteins and RNA helicases to viral replication sites</p>		
11:40-12:00	<p>David Verhoeven, ISU</p> <p>Analysis of respiratory syncytial virus reveals conserved RNA secondary motifs that impact the viral life cycle</p>		
12:00-12:20	<p>Debarpan Dhar, ISU (<i>current affiliation: Children's Mercy Research Institute, KS, MO</i>)</p> <p>Sorting it out: RNA sequence and structure drive segmented dsRNA virus packaging in reoviruses</p>		
12:20-1:20	Lunch		
1:20-2:40	Workshop II	Moderator: Michael Cho	Virus–cell interactions and immunity
1:20-1:40	<p>Courtney Woodruff, UI, Tucker lab</p> <p>The restriction factor angiogenin cleaves tRNAs following Kaposi sarcoma-associated herpesvirus reactivation</p>		
1:40-2:00	<p>Jinhua Xiang, UI & Iowa City VA, Stapleton lab</p> <p>Dengue virus serotype-specific inhibition of T cell responses is due to a single amino acid polymorphism in the envelope protein</p> <p>Todd Bell, ISU</p>		
2:00-2:20	<p>Exploring Cell Signaling Perturbations following Rift Valley Fever Virus Infection</p> <p>Arasi Manivasagam, UI, Manicassamy lab</p>		
2:20-2:40	<p>Regulation of cell intrinsic antiviral responses by the DNA binding transcriptional repressor complex Capicua/Ataxin-1(L) during influenza A virus infection</p>		

2:40-3:00	Break		
3:00-4:40	Workshop III	Moderator: Todd Bell	Viral disease, treatment, prevention
3:00-3:20	Noah Schuster , UI, Perlman lab Evaluating Olfactory System Dysfunction in Coronavirus and Influenza Virus Infections		
3:20-3:40	Hillel Haim , UI Quantitative mapping of the in vivo escape paths of HIV-1 from a small molecule therapeutic that targets the Env protein		
3:40-4:00	Tarun Mishra , UI, Wu lab HIV-1 latency reversal in CD4 ⁺ T cells upregulates m ⁶ A RNA modification		
4:00-4:20	Michael Cho , ISU Eliciting neutralizing antibodies against the fusion peptide of HIV-1 gp41		
4:20-4:40	Kepalee Saeng-Chuto , ISU, Pineyro-Pineiro lab Development and <i>in vitro</i> characterization of messenger RNA-based vaccines against Senecavirus A		
4:40-5:45	Poster session		
5:45-6:45	Buffet Dinner		
6:45-7:45	Keynote II	Benhur Lee , Mt. Sinai University Moderator: Wendy Maury	Emerging paramyxoviruses: targeting the knowns and unknowns
8:00-	Optional: social for trainees	Social Chairs: Courtney Woodruff, Maya Mason, Stephanie Clark	Meet in Iowa House Hotel lobby at 8:00 pm. Walk as a group, weather permitting, to The Greenhouse (505 E. Washington)

Saturday, March 2nd			
		Speaker	Title
8:30-9:00	Breakfast		
9:00-10:00	Keynote III	Rachel Fearn , Boston University Moderator: David Verhoeven	Catalyzing antiviral advances: exploring the RSV polymerase as a biological machine and drug target
10:00-10:15	Break		
10:15-11:55	Workshop IV	Moderator: Richard Roller	Virus tropism, spread and pathogenesis
10:15-10:35	Rachel Ruden , Iowa Department of Natural Resources Highly pathogenic avian influenza in Iowa wildlife		
10:35-10:55	Stephanie Clark , UI, Sinn lab		

<p>10:55 -11:15</p>	<p>A measles virus membrane fusion apparatus trailblazes direct cell-to-cell spread in airway cell</p> <p>Alexandria Miller, UI</p> <p>The SARS-CoV-2 accessory protein Orf3a is not an ion channel, but does interact with trafficking proteins</p> <p>Hannah Van Ert, UI, Maury lab</p> <p>Defining Mechanisms of Maternal-Fetal Transmission of Ebola Virus in Placental Tissues</p> <p>Giovana Ciacci Zanella, USDA, Baker lab</p> <p>Persistent clade 1A.3.3.2 influenza A viruses in pigs following introduction of human seasonal H1N1pdm09 from different seasons in the United States</p>		
<p>11:55-12:00</p>	<p>Closing Remarks/ Jessica Tucker</p>		