#	Presenting author	Presenting author affiliation	Title	Keywords
1	Kate Lagerstrom	Princeton University	Phylogenetic analyses of bacterial transmission from humans to wild animals in captivity	Microbiome, MAGs, transmission, human impacts, microbial evolution
2	Katherine E Wearing	University of Arkansas	Virus-helminth coinfections shape survival of a wild rodent	
3	Katie Yan	Pennsylvania State University	Tell Me Once, Tell Me Twice: Multiple vaccine messages change intentions to vaccinate	
4	Kelsey Shaw	University of Notre Dame	Forecasting syndromic indicators using co-circulating pathogen data	syndromic forecasting; co-circulating pathgens
5	Kiel Corkran	University of Missouri-Kansas City	Optimizing Infection Control in a Nursing Home Network: A Clinical and Management Approach to Shared Staffing and Disease Transmission	
6	Kimberly R. Andrews	Fred Hutchinson Cancer Center	New Nextstrain resources for real-time genomic surveillance of multiple pathogens, including Mycobacterium tuberculosis	Genomic surveillance, phylogenetics, computational resources, virus, bacteria
7	Kiran Wadhawan	University of Edinburgh	Host-pathogen encounter patterns shape population-level disease dynamics in an environmental transmission model	Epidemiological modelling; Independent Action Hypothesis; Dose-response; Environmental transmission
8	Kristen M. Rosamond	University of Missouri-St. Louis	Impact of gut microbiome modulation on nestling House Sparrow physiology	
9	Kurt Frey	Institute for Disease Modeling	Transmission of circulating vaccine derived poliovirus type 2 in Nigeria	agent-based model; polio; spatial transmission
10	Laura Munn	University at Albany - College of Integrated Health Sciences	The Role of Temperature in the Evolutionary Trajectory of West Nile Virus	
11	Laura Plimpton	Columbia University	Tracing Canine Distemper Virus (CDV) Spread in Urban Raccoons and Uncovering Drivers of Transmission	urban ecology, raccoon, transmission, phylodynamics
12	Laura Pomeroy	Ohio State University	Modeling mosquitoes and infectious diseases using NEON data	

13	Libby Davenport	University of Michigan	Predator presence facilitates parasite spore release and alters disease dynamics	
14	Lingyu Ouyang	The Ohio State University	Exploring the impact spatial-temporal variation of mosquito and avian biodiversity in West Nile Virus transmission in the US	
15	Lucas M. Stolerman	Oklahoma State University	Epidemic Thresholds and Disease Dynamics in Metapopulations: The Role of Network Structure and Human Mobility	mobility networks; mechanistic models,
16	Madeline Rowland	University of Montana	Effects of parasite co-infection on disease dynamics of Sin Nombre hantavirus in deer mice (Peromyscus maniculatus)	Sin Nombre virus, co-infection, host-parasite interaction, helminth parasites, deer mice
17				
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19	Mark Wilber	University of Tennessee	From movements to persistence: A white-tailed deer population is unlikely a reservoir for SARS-CoV-2, despite multiple exposures	fine-scale transmission; reservoir host; SARS-CoV-2; white-tailed deer; movement ecology
20	Marlon E. Cobos	University of Kansas	Modeling temporal and spatial dynamics of hantavirus infection in rodent hosts: a case study in Panama	
21	Melanie Regney	Arizona State University	Polyomaviruses and papillomaviruses in penguins from eastern and western Antarctica	
22	Michelle Villalobos	University of Illinois Urbana-Champaign	Microbiome Effects on Disease Susceptibility in Daphnia dentifera	Microbiome, Host-parasite, Daphnia
23	Mohammad Jawad Jahid	The Ohio State University	At the avian-mammalian interface: surveying small mammals in Ohio, USA, for highly pathogenic avian influenza H5N1 clade 2.3.4.4b	
24	Monica Shah	Ohio State University	Quantifying cross species Avian Influenza Virus transmission among wild birds at a North American stopover site	Influenza A virus; SIR model; disease ecology; multispecies; reservoir community
25	Nate Kornetzke	University of New Mexico	Turn down that noise! Uncertainty quantification for stochastic models of emerging infectious pathogens	emergence, uncertainity quantification, modeling

26	Pablo Cárdenas R.	Ragon Institute of MIT, Harvard, & MGH	jOpqua: Flexible and efficient simulation of epidemiology, evolution, and immunity	
27	Paula Juliana Castiblanco	University of Maine	SARS-CoV-2 in moose: a look at the tribal lands and Maine	Moose, Disease ecology, COVID-19,Citizen Science,
28	Paulo Mateus Martins	University of Notre Dame	Responses of four human tick-borne diseases to climate, reservoir host community and vector density across the eastern United States	
29	Qinghua Zhao	University of Notre Dame	Early Warning Signals of the Ongoing Global Mpox Pandemic	
30	Rachel Busselman	Texas A&M University	Texas ranches: a nidus for Trypanosoma cruzi transmission among wildlife, dogs, and triatomines	
31	Rachel E Lange	New York State Department of Health	Host-Specific Adaptation of Powassan Virus to Amblyomma americanum: Interplay of Host Cholesterol and Viral Premembrane in Tick-Specific Viral Fitness	Powassan virus, Lone star tick, cholesterol
32	Rishi Kowalski	Icahn School of Medicine at Mount Sinai	Environmental Fluctuations, Wild Bird Abundance, and their relation to HPAI Outbreaks in Commercial and Backyard Flocks: A Case Study in Minnesota	
33	Ritchie Yu	McGill University	Evolution of the timeliness of test-based surveillance systems over the course of a pandemic	
34	Sachin Subedi	University of Georgia	Investigating the Ecological and Evolutionary Drivers of 2.3.4.4b H5Nx HPAI Spread Across Species and Geographic Regions in Europe	H5Nx, viral transitions, habitats, ecological variables,
35	Santino Andry	University of Antananarivo	Phylogenetics of non-bat fly ectoparasites in Malagasy fruit bats	ectoparasites, phylogeny, malagasy fruit bats
36	Sara Carpenter	Oregon State University	Too parched for parasites: Environmental characteristics limit range of parasites in desert-adapted ruminant	site-occupancy model; parasite distribution; molecular detection; ruminant; desert

37	Sarah Schrock	University of Tennessee	Who, when, and where? Seasonally varying host traits influence persistence of a fungal pathogen in amphibian communities	pathogen persistence; amphibian disease; modeling; seasonality
38	Seokyoon Chang	Princeton University	Microbiota-Mediated Sand Fly Attraction and Host Immunity in Cutaneous Leishmaniasis	
39	Shi Cen	North Carolina State University	Efficient Parameter Inference in Multi-Type Birth-Death Models Using Hamiltonian Monte Carlo	Phylogenetics; Phlodynamics; Multi-type Birth-Death Model; Bayesian LASSO
40	Similoluwa Aruwajoye	The Pennsylvania State University	Identifying Epidemiological Units Shaping Measles Transmission in DRC	Surveillance, Interventions, Vaccination, Outbreak Response, Epidemiological Units
41	Simona Kraberger	Arizoan State University	Beyond single-pathogen paradigms: elucidating the viral community structure of migratory waterfowl	Waterfowl, Virome, co-infection
42	Sophia Kira-Lucas	Cornell University	Highly Pathogenic Avian Influenza (HPAI) transmission dynamics among seabirds in the Falklands/Malvinas Islands: a mathematical modeling approach	Highly Pathogenic Avian Influenza, sub-Antarctic, Seabird, Mathematical Modeling, Wildlife Conservation
43	Stephanie Copeland	University of California Santa Barbara	A Hard Quest: How the variable effects of wildlife and livestock impact questing tick abundance and larval survivorship across a topographical-climatic gradient.	
44	Suman Bhowmick	UIUC	A weather-driven mathematical model of Culex population abundance and the impact of vector control interventions	ODE, Sensitivity Analysis, Culex, Mathematical Model
45	Sureni Wickramasooriya	University of California, Davis	Gene Drive Technology in Mosquito Control: A Computational Study on Príncipe Island	
46	Weixin Du	Cornell University	How do malaria parasites react to vector presence? Potential alterations in transmission investment strategies in response to mosquito saliva	transmission investment, malaria, mosquito, seasonality

47	Whitney Parker	Trinity College Dublin	Empirical insights into density-dependent disease dynamics — a population study using the Daphnia magna–Ordospora colligata host-parasite model system	Daphnia magna, microparasites, host density, experimental epidemiology, disease transmission
48	Xander O'Neill	Heriot-Watt University	The Impact of Heterogeneous Contact Structure on the Evolution of Virulence	Heterogeneity, contact-structure, mathematical modelling, epidemiology, evolution
49	Ximena Olarte-Castillo	Cornell University	Uninvited Guests: Shared Cat Food Stations and the Unexpected Transmission of Canine Distemper Virus Among Domestic Cats and Wild Urban Species in New York City	
50	YINGYING WANG	University of California, Davis	Multi-Layer Ecological Networks Reveal Primate–Mosquito–Virus Spillover Dynamics in Zika and Chikungunya Transmission	Zika virus, Chikungunya virus, mosquito vectors, zoonotic spillover, vector competence.
51	Zoe Barandongo	University of Maine	Nasal swabs as an alternative for the detection of pneumonia-related pathogens in white-tailed deer (Odocoileus virginianus) using metagenomic sequencing	Pathogens, Nanopore sequencing, Wildlife disease, lung tissue
52	Sarthak Saini	Indian Institute of Science Education and Research (IISER), Pune	Microbiome and Drosophila immunity: an evolutionary perspective	
53	Yimei Li	Princeton University	Spatio-Temporal Dynamics of the Type I Interferon Response to Viral Infection in the Presence of Defective Interfering Particles	Defective interfering particles, Influenza infection, Type I interferon, Spatio-temporal dynamics
54	Akilah Stewart	Indiana University School of Medicine, South Bend	Yeast RNAi-based Attractive Targeted Sugar Baits (ATSBs) for Mosquito Control	
55	Andrianiaina F. Angelo	University of Antananarivo, Madagascar	Seasonality and parasite load in cave dwelling fruit bats in Madagascar	Bat ectoparasites,DNA barcoding, Madagascar,Nycteribiidae, Seasonal variation
56	Audrey Moehring	Mississippi State University	Dynamics of the microbial community in wild rodents across land-use gradients	Microbiome; rodents; land-use; reservoir

57	Axel O.G. Hoarau	University of Pennsylvania	Portrait of viral communities in deer upper respiratory tracts across the United States	
58	Barsha Saha	University of Missouri-Kansas City	Analyzing Zoonotic Spillover Risk Under Extreme Weather Using A Competitive Lotka-Volterra Framework	zoonotic spillover; extreme weather events; stability; limit-cycles
59	Ben Lukubye	Emory University	Schistosome transmission risk peaks in waterbodies with intermediate cattle dung input: Insights from Mwanza, Tanzania	
60	Bonnie Mendelson	University of Chicago	The Effect of Host Tree Species Differences on the Transmission of a Baculovirus and Insect Outbreak Dynamics	foliage chemistry, modeling
61	Brock Geary	University of Pennsylvania	Diverse and persistent impacts of West Nile virus on breeding bird populations in Pennsylvania	birds, population biology, West Nile virus, Breeding Bird Survey
62	Bruna Ciuffa Maria	University of Cincinnati	Comparative analysis of activity and sleep patterns of mosquitoes and fly systems under varying temperature and relative humidity conditions.	daily rhythms, mosquitoes, temperature, humidity
63	Caitlin Nordheim-Maestas	University of California, Santa Barbara	Unearthing Disease Dynamics: Investigating Soil as an Environmental Reservoir for Amphibian-Killing Fungus Under Extreme Climate Events	Environmental Reservoir, Extreme Climate, Pathogen Persistence
64	Camila Espejo	Yale University	Immunological trade-offs between helminth resistance and bovine tuberculosis susceptibility	
65	Carissa Mayo	University of Washington	A Bayesian framework to model transmissible cancer dynamics within Mya arenaria populations	Bivalve Transmissible Neoplasia, Bayesian modeling
66	Carleen N. Silva	New Mexico State University	Burning down the mouse: Fire effects on deer mouse density and prevalence of Sin Nombre Virus	
67	Daniela Rodriguez-Chave:	University of California Berkeley	Testing theories of cross-immunity and cross-reactivity with temperature dependence on mosquito-borne diseases using a dynamical systems approach.	mosquito-borne disease, dynamical systems, cross-immunity, temperature dependence

68	Gracie Hedgpeth	University of Notre Dame	Impacts of Parasite Removal and Host Traits on Fitness Correlates in Invasive Cuban Treefrogs (Osteopilus septentrionalis).	Cuban treefrog, host–parasite interactions, introduced species, mark–recapture, parasite removal
69	Hasib Ahmed	Purdue University Fort Wayne	Investigating the Role of Crinkler Genes in Pathogenicity of the Amphibian Fungus, Batrachochytrium dendrobatidis	
70	Isaac Julio-Pereira	Oregon State University	Microbiome stability and pathogen invasion dynamics: a metacommunity approach	
71	Jaewoon Jeong	Ohio State University	Agent-Based Model for Stochastic Sampling of Copepod in Guinea Worm Transmission Dynamics	
72	James E. Noelker	Oakland University	Transmission intensity feedbacks account for 800-fold heavier chytrid infections in a population level controlled-temperature experiment	Metabolic theory, Chytridiomycosis, Population transmission models, Thermal mismatches
73	Janine Mistrick	University of Arkansas	Superspreaders of hantavirus infection in wild rodent populations	
74	Jason P. Sckrabulis	University of Florida	Invasive species as conduits for pathogen spillover between natural and agricultural systems	Microstegium vimineum, Bipolaris gigantea, ecosystem boundaries, plant-pathogen dynamics, eco-evolutionary models
75	Katherine Rosenfeld	Gates Foundation	Evaluating Measles Immunization Campaigns Using Multi-Agent Reinforcement Learning Approaches	
76	Kelsee Baranowski	Penn State University	Diverse Environmental Conditions Support Multiple Pathways to Ebola Virus Spillovers	Ebola, environmental change, time series
77	Leke Lyu	University of Georgia	Tracing SARS-CoV-2 Clusters Across Local Scales Using Genomic Data	

78	Leonardo Souto Ferreira	New York University	Climate conditions enable the transition to pre-elimination for falciparum malaria in cities of NW India	Urban malaria, Climate variability, Anopheles stephensi, dynamical modeling,
79	Maria A. Gutierrez	University of Cambridge	Modelling vaccine escape in a population	
80	Megan A. Greischar	Cornell University	Extraordinary multiplication rates as a marker of developmental synchrony	
81	Michele Adams	University of Notre Dame	The Remote Emerging Disease Intelligence-NETwork (REDI-NET): a Consortium supported scalable surveillance and pathogen detection platform	
82	O. Alejandro Aleuy	Florida Atlantic University	Host density and density-dependent pathogens decline from the core to the periphery of host ranges	center-periphery hypothesis, Density and frequency dependent pathogens, host and pathogen distribution
83	Olivia Biasetti	Purdue University	Timing and duration of per- and polyfluoroalkyl substances (PFAS) on infectious disease dynamics	Ecotoxicology, Disease Ecology
84	Reid Moorman	University of Notre Dame	Investigating the Impacts of Water Filtration on Viral Efficiency	
85	Rhys Inward	University of Oxford	Global homogenisation of Dengue virus diversity following the relaxation of COVID-19 pandemic restrictions	
86	Sam Sambado	UC Santa Barbara/Stanford	Wildfire disturbance and ecological cascades: teasing apart the direct and indirect effects of fire severity on tick populations	California wildfires ecology, tick ecology, community ecology, structural equation modeling, local and landscape effects
87	Sarah Nichols	University of Oxford	Does parasite life-history impact migration-facilitated parasite sharing?	
88	Shenglai Yin	University of Oklahoma	Landscape changes drive highly pathogenic avian influenza emergence at wild bird-poultry interface in East Asian-Australasian Flyway	

89	Shraddha Ramdas Bandel	The University of Texas at Austin	Impact of Vaccination Timing on Hospital Burden During Paraguay's 2024 Influenza Season	
90	Sidy Bakhoum	Eck Institute of Global Health, Department of Biological Sciences, Environmental Change Initiative, University of Notre Dame, Notre Dame, IN, USA	Human schistosomiasis risk and snail abundance have a unimodal relationship in the natural environment	schistosomiasis, host-parasite, resource, DEB, unimodal
91	Sulagna Chakraborty	University of Illinois Urbana Champaign	What's in a word? A meta-science study analyzing keywords denoting tick surveillance.	
92	Tanin Rajamand	University of Georgia	Integrating Cattle Movement, Land Use, and Genomic Data to Assess HPAI H5N1 Transmission Risks Across Agricultural and Wildlife Sectors	HPAI H5N1, Cattle Movement Networks, Zoonotic Spillover, Predictive Modeling, Cross-Species Transmission
93	Voahangy Soarimalala	Association Vahatra	Role of invasive rodents in the spread of zoonotic diseases in rural areas and forest habitats of Madagascar	Invasive rodents, Muridae, Madagascar, disease transmission, Rattus rattus
94	Xijiao Wang	University of Notre Dame	Assessing Viral Enrichment Efficiency for Biosurveillance in Zoonotic Risk Monitoring.	Virus Enrichment, Biosurveillance, Zoonotic Risk
95	Zhiyuan Chen	Fudan University	Impact of 2009 H1N1 pandemic on global dispersal and evolutionary patterns of seasonal influenza viruses	
96	Clayton Shanks	Purdue University Fort Wayne	The Role of Chitin Synthase in the Pathogenicity of Batrachochytrium dendrobatidis: Implications for Amphibian Decline	Chitin Synthase