

EEID 2011: Posters

Last names starting with A-L:

Poster Session 1: Sunday, June 19th in Loma Pelona, 3:00-6:00PM

(Loma Pelona will be open 7:45-8:45am and 12-1:30pm on Sunday, June 19th to allow presenters to hang posters for Poster Session 1 only)

Presented by	Title and Authors
Jessica Abbate University of Virginia	Determinants of disease distribution: Temperature, suppression, and contact opportunity across an elevational range limit
Emily Almberg Penn State University	Disease invasion after reintroduction: A case study of sarcoptic mange in Yellowstone's wolves. Authors: E.S. Almberg, P.J. Hudson, A.P. Dobson, P.C. Cross, D.W. Smith
Beth Archie University of Notre Dame	Dominance rank, age and wound healing in wild baboons
Jaime Ashander UC Davis	Spill-over, spill-back, wild host migrations and the evolution of chemical resistance in parasites Authors: Jaime Ashander and Mark Lewis
Karoun H. Bagamian Emory University/CDC	Sin nombre virus transmission and viral RNA shedding in deer mouse populations in outdoor enclosures Authors: Karoun H. Bagamian, Richard J. Douglass, James N. Mills
Vicki Barclay Penn State University	The evolutionary consequences of a blood-stage malaria vaccine Authors: V.C. Barclay, D. Sim, B.H.K. Chan, L. Nell, A.S. Bell, M. Rabaa, R.F. Anders, and A. F. Read
Heather Barton University of Georgia	Ecological characteristics of co-circulating low pathogenicity avian influenza subtypes at Delaware Bay, USA Authors: Heather D. Barton and John M. Drake
Lindsay Beck-Johnson The Pennsylvania State University	Modeling Anopheles mosquito population dynamics: Forecasting malaria vectorial capacity in a changing climate Authors: Lindsay M. Beck-Johnson, William A. Nelson, Andrew F. Read, Matthew B. Thomas, and Ottar N. Bjornstad
Anand Bhardwaj Emory University	Rates of molecular evolution in RNA viruses along latitudinal gradient: Effects of host physiology Authors: Anand Bhardwaj and Leslie Real
Julie Blackwood University of Michigan	Dynamics and drivers of pertussis epidemiology in Thailand
Tiffany Bogich EcoHealth Alliance	Network theory to identify diseases of unknown origin Authors: Tiffany Bogich, Sebastian Funk, Trent Malcolm, Marm Kilpatrick, Andrew Cunningham, and Peter Daszak
Matthew Bonds Harvard Medical School	Disease ecology and the latitudinal gradient in income Authors: Matthew H Bonds, Andy P. Dobson, and Donald C. Keenan

Presented by	Title and Authors
Brooke Bozick Emory University	Phylogeography of Tick-Borne Encephalitis Virus: Measuring genetic isolation by distance at different spatial scales Authors: Brooke Bozick, Leslie Real
Ilana Brito Columbia University	Assessing the true distribution of emerging infectious diseases: accounting for non-random systematic biases in surveillance. Authors: Ilana L. Brito, Tiffany L. Bogich, Sebastian Funk, Susana Adamo, Kate Jones, Peter Daszak, Marc A. Levy
Vicki Brown University of Michigan	Why Delaware Bay is a "hotspot" for avian influenza Authors: V.L. Brown, J.M. Drake, D.E. Stallknecht, K. Pederson and P. Rohani
Jesse Brunner Washington State University	Host foraging behavior and disease transmission in the ranavirus-tadpole system Authors: Jesse Brunner, Lynne Beaty, Alexandra Guitard, and Deanna Russell
Julia Buck Oregon State University	The effects of community structure on host-pathogen dynamics of <i>Batrachochytrium dendrobatidis</i> Authors: Julia C. Buck, Katharina I. Scholz, Andrew R. Blaustein
Eric Carr Cornell University	Compost alters plant pathogenic development of <i>Pythium aphanidermatum</i> Authors: Eric A. Carr and Eric B. Nelson
Scott Carver Colorado State University	Determining mechanisms of intra- and inter-specific hemoplasma transmission in felids
Christopher Castorena Duke	The implications of social contact structure for the economics of disease control Authors: Chris Castorena, Katia Koelle
Dave Civitello Indiana University	Competing over infection: Host foraging competition drives transmission of a fungal parasite of <i>Daphnia</i> Authors: David J Civitello, Susan Pearsall, Spencer R. Hall
Courtney Coon University of South Florida	Parasites of house sparrows (<i>Passer domesticus</i>) along an invasion gradient in Kenya Authors: CAC Coon, C Caruana, E Andreassi, S McLaughlin, A Liebl, T Imboma, LB Martin
Natalie Cooper Harvard University	Phylogenetic niche conservatism in mammalian parasites. Authors: Natalie Cooper and Charles L. Nunn
Michael Cortez Georgia Institute of Technology	Distinguishing between direct and indirect modes of transmission. Authors: Michael Cortez and Joshua Weitz
Jenny Cory Simon Fraser University	Virus persistence and covert infection dynamics in a cyclic forest insect Authors: Jenny S Cory, Jutta Buchhop, Judith H Myers
Meggan Craft University of Minnesota	Predicting epidemic size using observable data: an indeterminate problem? Authors: Meggan E Craft, Hawthorne L Beyer and Daniel T Haydon

Presented by	Title and Authors
Clay Cressler Queens University	A dynamic energy budget perspective on resistance, tolerance, and virulence Authors: Clay Cressler, Bill Nelson, Troy Day, and Ed McCauley
Ellen Crocker Cornell University	Virulence of plant-pathogenic oomycetes to freshwater wetland plant species Authors: Crocker EV, Karp MA and Nelson EB
Celeste Dodge San Francisco State University	Is a deadly disease driving the decline of another amphibian in the Sierra Nevada? Authors: Celeste M. Dodge, Vance T. Vredenburg, Cathy Brown and Amy Lind
Marisa Eisenberg The Ohio State University	Exploring cholera transmission dynamics using identifiability and parameter estimation. Authors: Marisa Eisenberg, Suzanne Robertson, Joe Tien
Karen Fairlie-Clarke University of Edinburgh	“Who goes there?” How antigen dose informs the immune response during co-infection. Authors: Karen Fairlie-Clarke, Adam Rosenthal, Professor Judi Allen & Dr. Andrea Graham
Luca Gerardo-Giorda Emory University	Incorporating observational data into disease dynamics for targeted surveillance Authors: Luca Gerardo-Giorda, Gavino Puggioni, Lance A. Waller, Leslie A. Real
Katey Glunt Penn State University	Reducing the selection for resistance by lowering pyrethroid concentration: the effects of age, exposure history, and malaria infection Authors: Katey Glunt, Matthew Thomas, Andrew Read.
Stephanie Godfrey Flinders University	Social networks and parasite transmission in reptiles Authors: Stephanie Godfrey and Michael Bull
Caren Goldberg University of Idaho	Patterns of prevalence of a newly-emerged multi-host pathogen across an amphibian community: amphibian chytrid fungus in north Idaho Authors: Caren S. Goldberg, Erica Bree Rosenblum, Dan Davis, Bill Bosworth, Lisette P. Waits
Eli Goldwyn University of Michigan	Modelling Travelling Waves of Pertussis in the United States Authors: Eli Goldwyn and Pejman Rohani
Dan Grear Pennsylvania State University	Feeding behaviors and foraging networks interact to influence the parasite community of the eastern chipmunk (<i>Tamias striatus</i>) Authors: Daniel A. Grear, Lien Luong, Peter Hudson
Megan Greischar The Pennsylvania State University	Modeling synchronization of within-host malaria dynamics Authors: Megan A. Greischar, Silvie Huijben, Andrew F. Read, Ottar N. Bjornstad
Leticia Gutiérrez University of Missouri at Saint Louis	Prevalence of Hepatozoon spp. On <i>Monito del Monte</i> (<i>Dromiciops gliroides</i>) associated with its ectoparasites abundance at Chiloé Island, Chile Authors: Leticia Gutiérrez-Jiménez, Juan Luis Celis-Diez, Javier Martínez, Rodrigo A. Vásquez, Santiago Merino

Presented by	Title and Authors
Gabe Hamer Michigan State University	Fine-scale variation in vector host use and force of infection drive localized patterns of West Nile virus transmission Authors: Gabriel L. Hamer, Luis F. Chaves, Tavis K. Anderson, Uriel D. Kitron, Jeffrey D. Brawn, Marilyn O. Ruiz, Scott R. Loss, Edward D. Walker, Tony L. Goldberg
Johanna Hansen Queen's University	Coinfection and the evolution of resistance: A mathematical analysis Author: Johanna Hansen, Troy Day
David Hayman University of Cambridge/ Colorado State University	Lagos bat virus ecology in Straw-colored fruit bats Authors: D.T.S. Hayman, M. Rowcliffe, R. Suu-Ire, A.A. Cunningham, A.R. Fooks, O. Restif, C. Webb, J.L.N. Wood
Silvie Huijben Pennsylvania State University	Pathogen interactions in the wild gourd <i>Cucurbita pepo</i> ssp. <i>texana</i> : Do viral infections confer resistance to bacterial wilt? Authors: Lucie Salvaudon, Lori Shapiro, Consuelo M. De Moraes and Mark C. Mescher
Leah R. Johnson University of Chicago	Parameter inference for an individual based model of chytridiomycosis in frogs Authors: L.R. Johnson and C.J. Briggs
Pauline Kamath UC Berkeley/ USGS- Northern Rocky Mountain Science Center	Parasite-mediated selection drives an immunogenetic tradeoff in plains zebra (<i>Equus quagga</i>) of Etosha National Park, Namibia Authors: Pauline L. Kamath, Wendy C. Turner, Martina Kusters, and Wayne M. Getz
Ruian Ke University of California, Los Angeles	The co-evolutionary dynamics of HIV-1 and the therapeutic interfering particle within a host: implications for gene therapy design Authors: Ruian Ke, Jamie Lloyd-Smith and Leor Weinberger
David Kennedy University of Chicago	Exploring the combined effects of recombination, selection and drift on the evolution of an insect virus Authors: David Kennedy and Greg Dwyer
Petra Klepac Princeton University	Synthesizing epidemiological and economic optima for control of immunizing infections Authors: Petra Klepac, Ramanan Laxminarayan, Bryan Grenfell
Beth Kochin Emory University	Control of acute infections Authors: Beth Kochin, Philip Johnson, and Rustom Antia
Jennie Lavine Penn State University	Pertussis on the rise: Population dynamical effects of waning immunity Authors: Jennie Lavine, Aaron King, Ottar Bjornstad
Clint Leach Colorado State University	The effect of environmental pathogen reservoirs and habitat heterogeneity on metapopulation dynamics Authors: Clint Leach, Colleen Webb, and Paul Cross
Justin Lee Colorado State University	Investigating molecular mechanisms of cross-species transmission of feline immunodeficiency virus between bobcats (<i>Lynx rufus</i>) and mountain lions (<i>Puma concolor</i>) Authors: Justin S. Lee, Kevin C. Crooks, Sue VandeWoude

Presented by	Title and Authors
Rachel Life University of Washington	Complex epidemiology in the emergence and displacement of IHNV in naive populations Authors: Rachel Life and Gael Kurath
Claude Loverdo UCLA	Better late than early: influence of viral life history on virus adaptation Authors: Claude Loverdo, Miran Park, Sebastian Schreiber, Jamie Lloyd-Smith
Angie Luis Colorado State University	A comparison of bats and rodents as hosts for zoonotic disease: what characteristics make a good reservoir host?
Shishi Luo Duke University	The impact of host immune status on the within-host and population dynamics of antigenic immune escape Authors: Shishi Luo and Katia Koelle

Last names starting with M-Z:

Poster Session 2: Monday, June 20th during BBQ/reception outside at Las Encinas Quad of Manzanita Village, 5:00-8:00PM

(hang posters immediately after last afternoon talk)

Presented by	Title and Authors
Micaela Martinez-Bakker University of Michigan	Spatiotemporal dynamics of polio virus: Epidemics of the past and eradication for the future
Nathan McClure Queen's	Time to antimalarial drug failure Authors: McClure, Nathan S. and Day, Troy
Loren Merrill UC Santa Barbara	Sexual signals, immunity and CORT in two Icterid blackbirds: static signals meet current condition
Sean Moore National Center for Atmospheric Research	The influence of temperature and rainfall patterns on the inter-annual occurrence of plague in northwestern Uganda: Addressing uncertainty in climate data Authors: Sean M. Moore, Andrew Monaghan, Kevin S. Griffith, Titus Apangu Paul S. Mead, Katherine Macmillan, Kenneth L. Gage and Rebecca J. Eisen
Eric Nelson Cornell University	Exotic populations of <i>Phragmites australis</i> alter the diversity of plant pathogenic oomycetes in freshwater wetland soils Authors: Karp, M.A., Crocker, E.V., Ha, G., and Nelson, E.B. *This poster will be presented in Poster Session 1
Martha Nelson Fogarty International Center	Spatial dynamics of human-origin H1 influenza A viruses in North American swine Authors: M Nelson, P Lemey, A Rambaut, EC Holmes, M Gramer
Calistus Ngonghala West Virginia University	Health safety nets can break cycles of poverty and disease: a stochastic ecological model. Authors: Mateusz Plucinski, Calistus N. Ngonghala, Matthew H. Bonds
Sarah Orlofske University of Colorado at Boulder	Parasite transmission in complex communities: predators and alternative hosts influence infection in amphibian larvae Authors: Sarah A. Orlofske, Robert C. Jadin, Daniel L. Preston, Pieter T.J. Johnson
Ginny Pitzer Princeton University	Modeling rotavirus strain dynamics to determine the impact of vaccination on genotype distributions Authors: Pitzer VE, Viboud C, Lopman BA, Patel MM, Parashar UD, Grenfell BT
Emily Pollina Cornell University	Effects of elevated carbon dioxide and ozone on the spillover potential and dilution potential of an insect transmitted plant virus Authors: Pollina, Emily C., Sparks, Jed P., and Power, Alison G.
Katie Prager UCLA	Rabies and canine distemper virus in wild and domestic carnivores in Northern Kenya: Are domestic dogs the reservoir? Authors: Katherine Prager, Jonna Mazet, Edward Dubovi, Laurence Frank, Linda Munson, Aaron Wagner and Rosie Woodroffe

Presented by	Title and Authors
Dan Preston University of Colorado	Parasites in pond ecosystems: Biomass, productivity and food Web implications Authors: Daniel L. Preston, Sarah A. Orlofske, Pieter T. J Johnson
Gavino Puggioni Emory University	Bayesian hierachical models for parameter estimation in SEIR disease dynamics Authors: Gavino Puggioni, Luca Gerardo-Giorda, Lance Waller, Leslie Real
Oliver Ratmann Duke University	Statistical inference for viral diseases using epidemiological and genetic summary statistics Authors: Oliver Ratmann, Christophe Fraser, Ge Donker, Katia Koelle
Suzanne Robertson The Ohio State University	Habitat selection under the risk of pathogen transmission Authors: Suzanne Robertson and Ian Hamilton.
Megan A. Rúa University of North Carolina at Chapel Hill	The Effect of mutualists on pathogen-host dynamics Authors: Megan A. Rúa, James Umbanhowar and Charles E. Mitchell
Julie Rushmore University of Georgia	Behavioral determinants of pathogen transmission in a wild chimpanzee population
Evie Rynkiewicz Indiana University	What makes a superspreader? Interactions between parasites and immune function in free-living rodents Authors: Evelyn Rynkiewicz, Hadas Hawlena, Keith Clay
Dan Salkeld Stanford & Cal Dept Public Health	Ecosystem alteration and the risk of zoonotic disease *This poster will be presented in Poster Session 1
Lucie Salvaudon Pennsylvania State University	Pathogen interactions in the wild gourd <i>Cucurbita pepo</i> ssp. <i>texana</i> : Do viral infections confer resistance to bacterial wilt? Authors: Lucie Salvaudon, Lori Shapiro, Consuelo M. De Moraes and Mark C. Mescher
Johanna Salzer Emory University	Serologic evidence for multiple genera of poxviruses circulating in the peridomestic rodent population in western Uganda Authors: Johanna S. Salzer, Thomas R. Gillespie, Darin S. Carroll, Innocent Rwego, Joanna L. Shisler, Kevin Karem, Inger K. Damon
Stacy Scholle Duke University	The effect of disease dynamics on viral evolutionary rates: a modeling study to consider ecological determinants of substitution rate variation in chikungunya virus
Sourya Shrestha University of Michigan	Title:TBC Authors:TBC
Sarabjeet Singh Cornell University	Disease in metapopulations: The role of multiple levels of structure Authors: Sarabjeet Singh, David J. Schneider and Christopher R. Myers

Presented by	Title and Authors
Sanne Sokolow University of California Santa Barbara	Sustainable control of Schistosomiasis in West Africa through village-based aquaculture Authors: Susanne Sokolow, Djibril Sarr Faye, Mouhamadane Mbake Seye, Oumar Talla Diaw, Shawn Coyle, James Tidwell, Kevin Lafferty, Armand Kuris
Sarah States Cornell University	Behavioral heterogeneity affects pathogen transmission risk in house finches (<i>Carpodacus mexicanus</i>) Authors: Sarah States, Keila Dhondt, Wesley Hochachka, Andre Dhondt
Steven Stoddard UC Davis	Seasonal patterns of dengue virus transmission in the Peruvian Amazon Authors: Steven T. Stoddard, Helen Wearing, Brett Forshey, Amy Morrison, Thomas Scott, Eric Halsey, and Tadeusz Kochel
Chris Strelhoff UCLA	Quantifying transmission of influenza in swine using joint analysis of surveillance data Authors: Christopher C. Strelhoff and James O. Lloyd-Smith
Brooke Talley Southern Illinois University - Carbondale	High levels of disease prevalence and intensities in Illinois amphibians
James Tamerius University of Arizona	Global Drivers of influenza seasonality patterns
Yi Tan National Institutes of Health/Fogarty International Center	Influenza Epidemics in Shenzhen, a Subtropical Chinese City, 2003-2009 Authors: Tan Y, Cheng X, Viboud C, Nelson MI, He M, Holmes EC, Miller MA
Ann Thomas Princeton University	Mechanisms of trans-generational immune priming: Beetles, Bacillus, and the maternal environment Authors: Ann M. Thomas and Andrea L. Graham
Cecile Viboud Fogarty International Center/NIH/DIEPS	Latitudinal Gradients in the Seasonality of Influenza in China Authors: Viboud C., Alonso W., Feng L., Tan Y., Yu H
Vance Vredenburg San Francisco State University	Museum specimens reveal how fungal epidemic spread in amphibians Authors: Tina Cheng, Sean Rovito, David Wake, and Vance Vredenburg
Jessica Waite University of Utah	When does one plus one equal three: A test of synergistic interactions between behavioral and immunological defenses of birds against blood parasite vectors Authors: Jessica Waite, Autumn Henry, and Dale Clayton
Andrew Wargo University of Washington	Is there a trade-off between transmission potential and virulence in an aquatic vertebrate virus? Authors: Andrew R. Wargo, Robert J. Scott, Gael Kurath
Paul Williams UC Davis	evolution of parasite virulence in multigroup hosts

Presented by	Title and Authors
Hsiang-Yu Yuan Duke University	The Application of metric-based methods to compare the topologies of viral phylogenies Authors: Hsiang-Yu Yuan, Megan Owen, Sayan Mukherjee, Katia Koelle