DETECTION OF VIRULENCE GENES FROM HELICOBACTER PYLORI ISOLATED FROM PATIENTS WITH PEPTIC ACID DISEASE

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(ACMCIP Abstract)

A CASE OF CHOLERA IN A TOURIST RETURNING FROM AN ALL-INCLUSIVE VACATION RESORT IN MEXICO

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REAL-TIME PCR FOR THE AMPLIFICATION OF THE IPAH GENE REFLECTS THE TRUE BURDEN OF SHigelLOSIS IN ENDEMIC AREAS

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COST-EFFECTIVENESS OF BRUCELLOSIS CONTROL PROGRAMS — EGYPT, 2004

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CHRONIC TUBERCULOUS ARTHRITIS AFTER TRAUMA

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OUTBREAK OF TYPHOID FEVER, WESTERN PROVINCE, KENYA — 2004

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A SIMPLE DIAGNOSTIC PROCEDURE FOR TAENIA SOLIUM TAENIASIS

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SENSITIVITY AND SPECIFICITY OF COPROANTIGEN DETECTION BY F.A.S.T.-ELISA IN DIAGNOSING HUMAN TAPEWORM (TAENIA SOLIUM) INFECTIONS

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INFORMATION SYSTEM FOR MANAGING THE ELIMINATION PROGRAM OF CYSTICERCOSIS IN PERU

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PARTITIONING OF THE NEW ANTIMALARIAL PRODRUG DB289 AND ITS ACTIVE DIAMIDINE, DB75, INTO MALARIA-INFECTED AND NON-INFECTED HUMAN AND MOUSE ERYTHROCYTES IN VITRO

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IMPORTED TYPHOID FEVER IN CHILDREN, A 20-YEAR EXPERIENCE

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CAUSES OF DEATHS USING VERBAL AUTOPSY AMONG ADOLESCENTS AND ADULTS IN RURAL WESTERN KENYA

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DETECTION AND QUANTIFICATION OF CRYPTOSPORIDIUM PARVUM IN HUMAN FECAL SPECIMENS USING REAL-TIME PCR

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Q FEVER (COXIELLA BURNETII) INFECTION IN SOUTHERN CALIFORNIA, THE ZOONOTIC DISEASE CONTINUES. A CASE SERIES OF SIX PATIENTS PRESENTING WITH SIGNS AND SYMPTOMS OF THIS INTRACELLULAR MICROORGANISM

Mario L. Perez, Carolann R. Rosario, Jeffrey D. Cao, Veena M. Singh, Michael B. Ing

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VALIDATION OF A MURINE MODEL OF HUMAN GROWTH-STUNTING UNDERNUTRITION. THE RELATIONSHIP BETWEEN WEIGHT-FOR-AGE, BODY COMPOSITION, SERUM LEPTIN, SERUM CORTICOSTERONE, AND HEPATIC INSULIN-LIKE GROWTH FACTOR-1 EXPRESSION

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PERSISTENCE OF NEUTRALIZING ANTIBODIES AFTER ONE INJECTION OF MONOVALENT CHIMERIVAX DENGUE 2 VACCINE

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COMPARISON OF CLINICAL FEATURES AND HEMATOLOGIC ABNORMALITIES BETWEEN DENGUE FEVER AND DENGUE HEMORRHAGIC FEVER AMONG CHILDREN IN THE PHILIPPINES

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SENSITIVITY OF ANTIBIOTIC RESISTANT ESCHERICHIA COLI AND STAPHYLOCOCCUS SAPROPHYTICUS ISOLATED FROM FEMALE PATIENTS SUFFERING FROM URINARY TRACT INFECTIONS TO SOME SELECTED MEDICINAL PLANTS

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LONG-TERM SURVEILLANCE OF SUBJECTS IMMUNIZED WITH LIVE ATTENUATED TETRAVALENT DENGUE VACCINE IN THAILAND

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SHIRKING THE WORM: A QUESTION OF TREATMENT DELAY

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DEVELOPING NATIONAL AND INTERNATIONAL STRATEGIES FOR DISASTER PREPAREDNESS AND RESPONSE

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DETECTION OF CRYPTOSPORIDIUM SPP. IN STOOL BY MULTIPLEX REAL-TIME PCR

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TRAVEL CONSULTATIONS FOR IMMIGRANT CHILDREN AT AN INNER-CITY HOSPITAL IN THE BRONX, NEW YORK 2003-2004

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RICKETTSIAL INFECTIONS ARE COMMON CAUSES OF FEVER AMONGST ADULTS IN THE LAO PDR

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PATTERNS OF GENE EXPRESSION THAT CHARACTERIZE OUTCOMES OF PLASMODIUM FALCIPARUM INFECTION

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MEDICAL SCREENING AND SYPHILIS IN IMMIGRATION APPLICANTS TO CANADA — 2000 TO 2004

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INTERACTION PARTNERS OF SCABIES MITE INACTIVATED PROTEASE PARALOGUES
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(ACMCIP Abstract)

CLINICAL AND EPIDEMIOLOGICAL CHARACTERISTICS OF HUMAN WEST NILE VIRUS INFECTION PRESENTING TO SELECTED HEALTHCARE FACILITIES IN SAN BERNARDINO AND RIVERSIDE COUNTIES, CALIFORNIA, 2004
Mario L. Perez, Ranjith Wijeratne, Michael B. Ing, Jea Hyun Lee, Richard L. Morrissey
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DETECTION OF ANTIBODIES AGAINST FASCIOLA HEPATICA IN PATIENTS WITH LIVER CIRRHOSIS IN PERU
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RAPID ESTABLISHMENT OF AN INFECTIOUS DISEASES DIAGNOSTICS LABORATORY AND THE GENERAL ABSENCE OF OUTBREAKS IN THE MONTHS FOLLOWING THE TSUNAMI DISASTER IN NORTHERN SUMATRA, INDONESIA
Agus Suwando, J. Kevin Baird, Endang R. Sedianingsih, Patrick J. Blair, Bambang Heriyanto, Shannon D. Putnam, Syahrial Harun, Deci Subekti, Joko Yuwono
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INTERNATIONAL HEALTH CARE ADVICE AND TREATMENT DURING AUTOMOBILE SELF-DRIVE CULTURE ACTIVITY OF ROUND TRIP FROM CHINA TO FRANCE
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SUPPLYING HEALTH CARE AND EPIDEMIC INFORMATION FOR INTERNATIONAL TRAVELLERS USING INTERNET WEBSITE
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MALARIA SURVEY AND MOLECULAR ANALYSIS OF GLUCOSE-6-PHOSPHATE DEHYDROGENASE VARIANTS IN SOUTHEAST ASIAN COUNTRIES
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THROMBOCYTOPENIA AND PLASMODIUM VIVAX MALARIA IN ADANA, EASTERN MEDITERRANEAN COAST OF TURKEY
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DEFINING SICK BUILDING SYNDROME IN ADULTS AND CHILDREN AS A CASE-CONTROL SERIES AS A BIOTOXIN-ASSOCIATED ILLNESS: DIAGNOSIS, TREATMENT AND DISORDERS OF INNATE IMMUNE RESPONSE, MSH, SPLIT PRODUCTS OF COMPLEMENT, IL-1B, IL-10, MMP9, VEGF, AUTOIMMUNITY AND HLA DR
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C3A AND C4A: COMPLEMENT SPLIT PRODUCTS IDENTIFY PATIENTS WITH ACUTE LYME DISEASE
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PRESCRIPTION AND ADMINISTRATION OF A 14-DAY REGIMEN OF ZINC TREATMENT FOR CHILDHOOD DIARRHEA IN MALI
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MMP9, VISUAL CONTRAST SENSITIVITY, C3A, C4A AND HLA DR: NEW DIAGNOSTIC AIDS IN ACUTE AND CHRONIC LYME DISEASE

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AN OVERVIEW OF THE STEPS REQUIRED TO GAIN CAP ACCREDITATION FOR A CLINICAL LABORATORY RUNNING A MOLECULAR ASSAY FOR THE DIAGNOSIS OF CUTANEOUS LEISHMANIASIS

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A CROSS-SECTIONAL, CASE-FINDING STUDY OF TRAVELERS’ DIARRHEA AMONG U.S. MILITARY PERSONNEL DEPLOYED TO IRAQ

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DEVELOPMENT AND VALIDATION OF AN FDA-CLEARED REAL-TIME PCR DIAGNOSTIC KIT FOR OLD WORLD CUTANEOUS LEISHMANIASIS

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REACTIVE NITROGEN INTERMEDIATES IN PLASMODIUM VIVAX MALARIA IN CUKUROVA REGION, TURKEY

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INTRODUCING ZINC INTO ROUTINE TREATMENT OF ACUTE DIARRHEA: IMPACT ON THE MANAGEMENT OF DIARRHEA IN CHILDREN IN RURAL MALI

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USE OF AN ELECTRONIC SURVEILLANCE SYSTEM (ALERTA) TO DETECT A DENGUE OUTBREAK AMONG A PERUVIAN NAVY POPULATION IN IQUITOS, PERU

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LOCAL TERMINOLOGY FOR MEDICINES USED TO TREAT MALARIA IN BOUGOUNI DISTRICT, MALI: IMPLICATIONS FOR PROGRAMS, EVALUATIONS AND THE INTRODUCTION OF NEW MALARIA TREATMENT POLICIES

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A TIME SERIES ANALYSIS OF THE SEASONAL PATTERN OF CONSULTATION RATES FOR MALARIA, ACUTE RESPIRATORY INFECTION AND DIARRHEA IN NIONO HEALTH DISTRICT, MALI

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SELF-EVALUATION OF AN ELECTRONIC DISEASE SURVEILLANCE SYSTEM IN A REMOTE, RESOURCE LIMITED SETTING: ALERTA DISAMAR IN PERU

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G6PD-DEFICIENCY: IMPLICATIONS IN PUBLIC HEALTH AND DRUG DEVELOPMENT

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ANTIBODY RESPONSES AND MALARIA IN PREGNANT WOMEN LIVING IN A HYPOENDEMIC P. VIVAX AND P. FALCIPARUM TRANSMISSION REGION OF PERU

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DOTS PROGRAM MONITORING AT THE TUBERCULOSIS UNIT AT BALLABGARH, HARYANA, INDIA: IDENTIFYING TRENDS AND SETTING PRIORITIES

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MARKOV MODEL OF THE PREVALENCE AND ECONOMIC BURDEN OF CHAGAS’ DISEASE IN LATIN AMERICA AND THE CARIBBEAN

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SYMPTOMS ASSOCIATED WITH P. FALCIPARUM AND P. VIVAX INFECTION DURING LONGITUDINAL FOLLOW-UP IN A PERUVIAN COMMUNITY WITH LOW MALARIA TRANSMISSION

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EVALUATION OF LEPTOSPIROSIS BY POLYMERASE CHAIN REACTION (PCR) IN CULTURED SAMPLES AND CULTURE POSITIVE PACKED RED BLOOD CELLS
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GENOTYPIC CHARACTERIZATION OF RICKETTSIA PROWAZEKII CAIRO 3 BY MULTILOCUS SEQUENCING
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A HIGH THROUGHPUT SCREENING METHOD TO IDENTIFY TICK SALIVARY ANTIGENS ELICITING A CELLULAR IMMUNE RESPONSE IN TICK SENSITIZED HOSTS
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DENDRITIC CELL IMMUNIZATION USING TICK SALIVARY PROTEINS TO PREVENT TICK TRANSMITTED BORRELIA BURGDORFERI INFECTION
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DEVELOPMENT OF A RAPID HAND-HELD POINT OF CARE ANTIGEN DETECTION ASSAY FOR ORIENTIA TSUTSUGAMUSHI — PRELIMINARY RESULTS
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USE OF GIS TO ASSESS RELATIVE RISK IN DIFFERENT BIOTOPES WITHIN ENDEMIC SCRUB TYPHUS AREAS
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CLIMATIC CHANGES RELATED TO EPIDEMICS OF DENGUE IN TAIWAN, 1987–2002
YiShiuan Li¹, Yung-Ming Chen², Min-Hui Wu¹, Chuin-Shee Shan¹, Chia-Ling Ku'o¹, Fu-Chiang Hu¹, Chung-Ming Liu³, Mong-Ming Lu³, Chwan-Chuen King¹
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FACTORS AFFECTING THE DISTRIBUTION OF DENGUE IN PUNTARENAS, COSTA RICA, AND THE APPLICATION OF REMOTE SENSING AND GEOGRAPHICAL INFORMATION SYSTEMS
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FREQUENCY AND PHENOTYPIC ANALYSIS OF DENGUE EPITOPE-SPECIFIC T CELLS IN INFECTED THAI SUBJECTS DURING ACUTE ILLNESS AND CONVALESCENCE
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EFFECT OF DENV3 INFECTION OF PRIMARY HUMAN DENDRITIC CELLS
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VIROLOGICAL PARAMETERS OF RECENT DENGUE HEMORRHAGIC FEVER OUTBREAK IN SRI LANKA
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TEMPOSPATIAL DISTRIBUTION OF CLUSTERING DENGUE CASES IN KAOSHIUING, 2001–2003
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GENETIC VARIATION OF DENGUE VIRUSES CIRCULATING IN THAILAND
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DENGUE VIRUS INDUCES PRODUCTION OF TRANSFORMING GROWTH FACTOR β1 — A POTENTIAL MECHANISM FOR IMMUNE REGULATION
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PEPTIDE INHIBITORS OF FLAVIVIRUS INFECTIVITY
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PREVALENCE OF DENGUE-2 VIRUS IN NEARBY CARIBBEAN ISLANDS
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IMMUNOGENICITY STUDIES OF DENGUE-2 DNA VACCINE CANDIDATES
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DEVELOPMENT OF BIOASSAYS TO MEASURE INTERFERON ANTAGONISM OF DENGUE STRAINS
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ADEQUATE PERFORMANCE OF A FAST METHOD FOR DETERMINATION OF ANTI-DENGUE IGM ANTIBODIES
Maria Garcia, Nancy Merino, Enrique Mamani, Victoria Gutierrez, Tomas Paredes, Miguel Farfan, Miguel Cobos, Cesar Cabezas
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RUBELLA SURVEILLANCE AND SUSPICION OF DENGUE OUTBREAKS: NEED FOR A SYNDROMIC APPROACH
Maximo Espinoza, Edwin Cabezudo, Ana Cecilia Ortiz, Maria Garcia, Cesar Cabezas
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RAPID ISOLOATION OF DENGUE 3 VIRUS WITH SHELL VIALL METHOD IN THE OUTBREAK OF COMAS, LIMA, 2005
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USE OF THE DETERMINATION OF THE ANTI-DENGUE IGM ANTIBODY IN PATIENTS WITH LESS THAN 5 DAYS OF ONSET OF SYMPTOMS
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KNOWLEDGE, ATTITUDE AND PRACTICE (KAP) ABOUT DENGUE IN PEOPLE GOING TO THE OUTPATIENT DEPARTMENT IN THE HEALTH CENTRE TAHUAN-TINSUYO BAJO, INDEPENDENCIA, LIMA, PERU
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A VENEZUELAN EQUINE ENCEPHALITIS REPLICON-BASED DENGUE VACCINE INDUCES NEUTRALIZING ANTIBODIES IN MICE IN THE PRESENCE OF ANTI-DENGUE MATERNAL ANTIBODIES
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ROLES OF CHEMOKINE AND CHEMOKINE RECEPTORS IN PATIENTS OF DENGUE HEMORRHAGIC FEVER IN TAIWAN
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INITIAL RESULTS OF THE DEVELOPMENT OF A SWINE INTERMEDIATE ANIMAL MODEL FOR DENGUE INFECTION
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APPLICATION OF A CLINICAL CASE DEFINITION FOR DENGUE FEVER IN PATILLAS, PUERTO RICO
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PERSISTENT ST. LOUIS ENCEPHALITIS VIRUS INFECTION IN THE GOLDEN HAMSTER (MESOCRICETUS AURATUS)
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ISOULATION OF ILHEUS VIRUS FROM A FEVRILE HUMAN IN ECUADOR
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SERIO- PREVALENCE OF JAPANESE ENCEPHALITIS VIRUS IN PIGS, DUCKS AND HORSES IN NEPAL
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WEST NILE VIRUS SEROREVRELENCE IN A BREEDING POPULATION OF AMERICAN KESTRELS (FALCO SPARVERBUUS) IN PENNSYLVANIA
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COMPARISON OF WEST NILE VIRUS INFECTION IN MICE WITH AND WITHOUT DISEASE
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WEST NILE VIRUS IN CANADA: WHAT'S THE LATEST BUZZ?
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MOSQUITO FEEDING AFFECTS WEST NILE VIRUS PATHOGENESIS
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PROTECTION FROM WEST NILE VIRUS CHALLENGE IN HETEROLOGOUS FLAVIVIRUS IMMUNIZED MICE
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SYMPTOM PERSISTENCE IN WEST NILE VIRUS: DATA FROM THE NEW MEXICO OUTBREAK OF 2003
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ANALYSIS OF IGM AND IGG ANTIBODY INDEX VALUES TO WEST NILE VIRUS IN A MULTI-VARIANT SAMPLE SET FROM NEW MEXICO WNV SURVIVORS
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MOSQUITO FEEDING AFFECTS WEST NILE VIRUS PATHOGENESIS
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NEUROPATHOGENESIS OF A WEST NILE VIRUS INFECTION IN MICE
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ABSENCE OF WEST NILE VIRUS ANTIBODY IN FLEDGLING CROWS (CORVUS BRACHYRHYNCHOS)
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A PRACTICAL REAL-TIME PCR ASSAY FOR DETECTING PARASITE DNA IN BLOOD FROM BRUGIA INFECTED INDIVIDUALS

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HIGH SURVEY COVERAGE SHOWS REPORTED MDA COVERAGE UNDERESTIMATED IN AMERICAN SAMOA LYMPHATIC FILARIAIS ELIMINATION PROGRAM

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IMPACT OF INSECTICIDE TREATED NETS AND LOW DOSE MONTHLY DIETHYL CARBAMAZINE TREATMENT ON WUCHERERIA BANCROFTI INFECTION IN TWO ENDEMIC COMMUNITIES IN MUHEZA, TANZANIA

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QUANTITATIVE AND QUALITATIVE ANALYSES OF WOLBACHIA ENDOSYMBIONS OF MILD AND SEVERE O. VOLVULUS STRAINS

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(ACMCIP Abstract)
THE CYSTATIN-LIKE CYSTEINE PROTEASE INHIBITORS IN NEMATODES HAVE A ROLE DURING OOCYTES MATURATION

Sarwar Hashmi, Jun Zhang, Yelena Oksov, Sara Lustigman
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QUANTIFICATION OF NUMBER OF SOMATIC CELLS IN BRUGIA MALAYI MICROFILARIAE

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MCPI IS NOT REQUIRED FOR THE RECRUITMENT OF MONOCYTES AND THE IMMUNE ELIMINATION OF B. PAHANGI INFECTION

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MOLECULAR CLONING AND CHARACTERIZATION OF A NOVEL ANTIGEN FROM TRICHINELLA SPIRALIS

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NEMATICIDAL ACTIVITY OF COMPOUNDS FROM NEW STRAIN OF BACILLUS MOJAVENSIS

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INCREASED TH2-ASSOCIATED IMMUNITY IN ASCARIS-INFECTED SWINE TREATED WITH RETINOIC ACID

Harry D. Dawson, Gloria Solano-Aguilar, Ethiopia Beshah, Eudora Jones, Joseph F. Urban
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THE RISK OF HIV AND HSV-2 ACQUISITION AMONG MEN WHO HAVE SEX ONLY WITH MEN IN URBAN, COASTAL PERU

Kelika A. Konda, Jeffrey D. Klausner, Andres G. Lescano, Segundo Leon, Rosa Castillo, Nilda Gadea, Franca R. Jones, Thomas J. Coates, Carlos F. Caceres

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VARIATIONS IN PREVALENCE OF INFECTION BY TRYPANOSOMA CRUZI IN SYLVATIC MAMMALS OF RURAL NORTHWESTERN ARGENTINA

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EVALUATION OF THREE METHODS TO ISOLATE TRYPANOSOMA CRUZI FROM OPOSSUMS IN SYLVATIC AND PERIDOMESTIC ENVIRONMENTS IN GUATEMALA

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T CELL ANTIGENS OF THE PARASITIC PROTOZOA LEISHMANIA CHAGASI

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MOLECULAR TYPING OF TRYPANOSOMA CRUZI STRAINS INFECTING TRIATOMA INFESTANS, DOMESTIC DOGS AND CATS FROM A RURAL AREA OF NORTHWESTERN ARGENTINA
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EXACERBATED T CELL RESPONSE AND PATHOGENESIS OF CUTANEOUS AND MUCOSAL LEISHMANIASIS
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IDENTIFICATION OF THROMBOXANE A2 LIKE MOLECULE FROM TRYPANOSOMA CRUZI
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PROTOLLIN-BASED A2 VACCINE PROVIDES PROTECTION AGAINST LEISHMANIA AMAZONENSIS IN MICE
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MODULATION OF DENDRITIC CELL MAPK AND NF-κB EXPRESSION BY LEISHMANIA AMAZONENSIS PREVENTS PROPER DENDRITIC CELL MATURATION
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STUDIES OF THE AGE-DEPENDENT PREVALENCE OF THE SWAIN-LANGLEY AND MCCOY BLOOD GROUP POLYMORPHISMS OF COMPLEMENT RECEPTOR 1 IN WESTERN KENYA
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INHIBITION OF PGE2 BY ANTIPYRETICS AND EXPERIMENTAL COMPOUNDS PROMOTES OVERPRODUCTION OF TNF-α IN HEMAZOIN-TREATED HUMAN MONONUCLEAR CELLS
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EXPRESSION OF ERYTHROCYTE COMPLEMENT REGULATORY PROTEINS IN INDIVIDUALS WITH SICKLE CELL TRAIT AND NORMAL HEMOGLOBIN IN A MALARIA ENDEMIC AREA OF WESTERN KENYA
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CLASS AND SUBCLASS ANTIBODY ANALYSIS OF CIRCULATING IMMUNE COMPLEXES IN CHILDREN WITH SEVERE PLASMODIUM FALCIPARUM MALARIA
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TEMPORAL AND SPATIAL PROFILE OF ACTIVATED CASPASE-3 IN EXPERIMENTAL CEREBRAL MALARIA
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CHONDROITIN SULFATE PROTEOGLYCANS OF RAT PLACENTA AND BINDING OF MALARIA PARASITE INFECTED ERYTHROCYTES

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PREPARATION OF THE PHOTOACTIVE DERIVATIVE OF A C4S OLIGOSACCHARIDE, AND ITS USEFULNESS FOR THE IDENTIFICATION OF PLASMODIUM FALCIPARUM ADHESIVE PROTEIN(S) THAT MEDIATE THE BINDING OF INFECTED ERYTHROCYTES IN THE PLACENTA

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CHANGES IN GENOTYPE FREQUENCIES AND DOMINANT GENOTYPE COPY NUMBER ARE ASSOCIATED WITH DEVELOPMENT OF SYMPTOMATIC MALARIA IN THE VILLAGE OF MISSIRA, MALI

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PLASMODIUM FALCIPARUM CYTOADHERENCE TO HUMAN PLACENTA: STUDIES ON THE HOST RECEPTORS

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SERUM LEVELS OF TNF-ALPHA, IL-10, MIF, IL-4 AND GPI ANTIBODIES IN GHANAIAN CHILDREN WITH SEVERE MALARIA

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A NATURAL MALARIAL HOST-PARASITE RELATIONSHIP HAS ADVANTAGES OVER HOST-ADAPTED MOUSE MODELS OF FALCIPARUM MALARIA

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PREPARATION OF THE PHOTOACTIVE DERIVATIVE OF A C4S OLIGOSACCHARIDE, AND ITS USEFULNESS FOR THE IDENTIFICATION OF PLASMODIUM FALCIPARUM ADHESIVE PROTEIN(S) THAT MEDIATE THE BINDING OF INFECTED ERYTHROCYTES IN THE PLACENTA

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MEFLOQUINE INDUCES PROPRIOCEPTIVE MOTOR SYSTEM DAMAGE IN RATS

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MEFLOQUINE INDUCES DOSE-RELATED NEUROLOGICAL EFFECTS IN RATS

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EVALUATION OF DIHYDROARTESININ-PIPERAQUINE DRUG COMBINATIONS IN VITRO

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COMMUNITY MANAGEMENT OF UNCOMPLICATED MALARIA USING RAPID DIAGNOSTIC TEST AND ARTEMISIN COMBINATIONS THERAPIES IN SÉNÉGAL, (WEST AFRICA)

Jean Louis A. Ndiaye, Paulette S. Ndiaye, Babacar Faye, Daouda Ndiaye, Yemou Dieng, Oumar Faye, Oumar Ndir, Oumar Gaye
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ASSESSMENT OF HEMOGLOBIN DEGRADATION BY MALARIA PARASITES USING MALDI-TOF MASS SPECTROMETRY

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IDENTIFICATION OF THIOPHENE SULFONAMIDES AS SPECIFIC INHIBITORS OF PLASMODIAL CYCLIN DEPENDENT PROTEIN KINASES

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UNIQUE FEATURES OF ACRIDONE DERIVATIVES AS QUINOLINE-RESISTANCE REVERSAL AGENTS AGAINST PLASMODIUM FALCIPARUM

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ANTIMALARIAL ACTIVITY OF 2,4-DIMETHOXY-4'-BUTOXYCHALCONE AND ITS METABOLITES

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MOLECULAR SURVEILLANCE FOR MALARIA DRUG RESISTANCE IN IMPORTED PLASMODIUM FALCIPARUM ISOLATES: SENTINEL DATA FROM TROPNETEUROPE

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ANTIMALARIAL 4-(1H)-PYRIDONES SELECTIVELY INHIBIT UBIQUINOL:CYTOCHROME C REDUCTASE (RESPIRATORY COMPLEX III) FROM PLASMODIA

Francisco-Javier Gamo1, Maria J. Lafuente1, Cristina de-Cozar1, Laura M. Sanz1, Jose L. Llergo1, Lena Jimenez1, Federico Gomez-de-las-Heras1, David Pompliano2, Akhil B. Vaidya3, Jose F. Garcia-Bustos1
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ORPHENADRINE AS A CHEMOSENSITIZER AGAINST QUINOLINE-RESISTANT MALARIA

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(ACMCIP Abstract)

CYTOCHROME B IS THE PRIMARY TARGET OF ANTIMALARIAL 4-(1H)-PYRIDONES

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SURVIVAL AND DEATH IN ERYTHROCYTIC STAGES OF PLASMODIUM BERGhei: PARTIAL CHARACTERIZATION OF THE GAMMA-GLUTAMYLCYSTEINE SYNTHETASE (GGCS) MRNA IN DRUG SENSITIVE AND RESISTANT LINES

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EFFICACY OF MEFLOQUINE TREATMENT FOR UNCOMPLICATED FALCIPARUM MALARIA IN YOUNG CHILDREN OF NORTHERN GHANA

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PLASMODIUM BERGHEI: PARTIAL CHARACTERIZATION OF THE GAMMA-GLUTAMYLCYSTEINE SYNTHETASE (GGCS) MRNA IN DRUG SENSITIVE AND RESISTANT LINES

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Malaria — Drug Resistance

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Malaria — Drug Resistance

MOLECULAR SURVEILLANCE FOR MALARIA DRUG RESISTANCE IN IMPORTED PLASMODIUM FALCIPARUM ISOLATES: SENTINEL DATA FROM TROPNETEUROPE

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ORPHENADRINE AS A CHEMOSENSITIZER AGAINST QUINOLINE-RESISTANT MALARIA

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(ACMCIP Abstract)

SURVIVAL AND DEATH IN ERYTHROCYTIC STAGES OF PLASMODIUM FALCIPARUM TREATED WITH ANTI-MITOCHONDRIAL DRUGS

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PLASMODIUM BERGhei: PARTIAL CHARACTERIZATION OF THE GAMMA-GLUTAMYLCYSTEINE SYNTHETASE (GGCS) MRNA IN DRUG SENSITIVE AND RESISTANT LINES

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POTENTIAL IMPACT OF INTERMITTENT PREVENTIVE TREATMENT FOR INFANTS ON THE SPREAD OF DRUG RESISTANT MALARIA

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INTERPRETING HOUSEHOLD SURVEY DATA INTENDED TO MEASURE INSECTICIDE-TREATED BEDNET COVERAGE: RESULTS FROM TWO SURVEYS IN ERITREA

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ASSESSING MALARIA RISKS IN THAILAND USING METEOROLOGICAL AND ENVIRONMENTAL PARAMETERS

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EPIDEMIOLOGY OF PLASMODIUM BLOOD-STAGE INFECTIONS IN THE WOSERA, EAST SEPIK PROVINCE, PAPUA NEW GUINEA

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Aissata Ongoiba, Kassoum Kayentao, Boubacar Traore, Didier Douantab, Etienne Guirou, Birama Kanoute, Ogobara Doumbo

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SULFADOXINE-PYRIMETHAMINE INTERMITTENT PREVENTIVE TREATMENT: EFFECTIVENESS AGAINST MALARIA AND ANEMIA IN PREGNANT MALAWIAN WOMEN, IN 2000-2004

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IDENTIFYING THE CAUSAL CHANNELS OF THE MALARIA GAP: POPULATION MOBILITY AND ITS IMPACT ON GDP IN THE FORMER FEDERATED MALAY STATES

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ANALYSIS OF SINGLE NUCLEOTIDE POLYMORPHISMS AT THE PLASMODIUM VIVAX APICAL MEMBRANE ANTIGEN 1 (PVAMA1) LOCUS AMONG SRI LANKAN ISOLATES

Anusha D. Gunasekera1, Thilain Wickramaratnachchi2, Ishani Gangul1, Lakshman Perera3, P. H. Premaratne1, D. M. Dissanayake2, Preethi V. Udagama-Randeniya2, Shrioma M. Handunnetti4, Dyann F. Wirth1

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THE ROLE OF EFFECTOR CD8+ T CELLS IN MONKEYS IMMUNIZED WITH IRRADIATED MALARIA SPOROZOITES

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**Plasmodium yoelii** infection dependent immunosuppression in C57BL/6 and Duffy knockout mice

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(ACMCIP Abstract)

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Repeat cross-sectional interferon-gamma responses to overlapping peptides of the 33-kDa region of merozoite surface protein-1 (MSP-1) of *Plasmodium falciparum* in Western Kenya

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Antibodies to CSP and MSP-1(42kDa) correlate with protection from *Plasmodium falciparum* infection in both adults and children while antibodies to MSP-1(19kDa) are protective only for children

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FC/Receptor IIA polymorphism and susceptibility to malaria in sympatric ethnic tribes Fulani and Dogon living in Mali, West Africa

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Impact of prenatal exposure to malaria antigens on levels of MSP-119 invasion-inhibitory antibodies during infancy

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Induction of CD8+ T cell responses following immunization with *Plasmodium yoelii* sporozoites

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A role for naturally occurring anti-galactosyl antibody (anti-Gal) in *Plasmodium falciparum* infection

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(ACMCIP Abstract)

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Roxana Cintrón-Moret¹, Ricardo González-Méndez¹, Joel Vega-Rodríguez¹, Hugh B. Nicholas³, Adelfa Serrano-Brizuela¹

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1Walter Reed Army Institute of Research, Silver Spring, MD, United States, 2Crucell Holland BV, Leiden, Netherlands, 3GlaxoSmithKline Biologicals, Rixensart, Belgium  
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Gary T. Brice1, Craig A. Stoops1, Imelda Winoto1, Rita M. Dewi2, Ikke Yunierlina1, Jason D. Maguire1, D. Gray Heppner1, V. Ann Stewart1

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1University of California, Irvine, Irvine, CA, United States, 2National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, MD, United States

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1Liverpool School of Tropical Medicine, Liverpool, United Kingdom, 2Michigan State University, East Lansing, MI, United States

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1Virginia Tech, Blacksburg, VA, United States, 2Johns Hopkins University, Baltimore, MD, United States
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1Ohio University, Athens, OH, United States, 2University of California, Davis, CA, United States

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Maria Diuk-Wasser1, Heidi Brown1, Theodore Andreadis2, Durland Fish1
1Yale University, New Haven, CT, United States, 2Connecticut Agricultural Experiment Station, New Haven, CT, United States
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¹University of Illinois, Urbana, IL, United States, ²International Center of Insect Physiology and Ecology, Nairobi, Kenya, ³Illinois Natural History Survey, Champaign, IL, United States

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SCHISTOSOMA MANSONI: CYTOKINES LEVELS BEFORE AND AFTER HUMAN TREATMENT
Pauline M. Leite1, Elizabeth Castro Moreno2, Olining Assis Martins Filho3, Alda Maria Soares Silveira1, Luiz Cosme Cotta Malajiasi4, Giovanni Gazzinelli2, Philip LoVerde6, Rodrigo Correa Oliveira5, Lucia Alves Oliveira Fraga1
1Universidade Vale do Rio Doce, Gov. Valadares, Brazil, 2Fundacao de Saude - Minas Gerais, BeloHorizonte, Brazil, 3Centro de Pesquisas Rene Rachou - Fiocruz, Belo Horizonte, Brazil, 4New York University at Buffalo, Buffalo, NY, United States

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LUCIFERASE REPORTER ACTIVITY IN INSECT AND MAMMALIAN CELL LINES DRIVEN BY SCHISTOSOME GENE PROMOTERS
Porntip Pinlaor1, Kristine J. Kiness, Victoria H. Mann, Maria E. Morales, Claudia S. Copeland, Paul J. Brindley
Tulane University, New Orleans, LA, United States

962

DESCRIBING SCHISTOSOMA JAPONICUM INFECTION AND VILLAGE-TO-VILLAGE VARIATION IN THE INTENSITY OF INFECTION IN HUMANS IN A SCHISTOSOMA JAPONICUM ENDEMIC REGION OF THE PHILIPPINES
Mushfigur Tarafder1, Veronica Tallo2, Helene Carabin1, Ernesto Balolong2, Portia Alday2, Ryan Gonzales2, Remigio Olveda2, Stephen T. Mcgarvey3, Hélène Carabin1, Patrick Belisle4, Lawrence Joseph4
1University of Oklahoma Health Sciences Center, Oklahoma City, OK, United States, 2Research Institute for Tropical Medicine, Manila, Philippines, 3Brown University, Providence, RI, United States, 4McGill University, Montreal, QC, Canada

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RECONSIDERATION OF THE ROLE OF WATER BUFFALOES AS RESERVOIR HOSTS OF SCHISTOSOMIASIS JAPONICA IN THE PHILIPPINES
A. Lee Willingham1, Ernesto Balolong2, Tomas Fernandez3, Helene Carabin4, Stephen T. Mcgarvey2, Remigio Olveda2
1International Livestock Research Institute, Nairobi, Kenya, 2Research Institute of Tropical Medicine, Alabang, Philippines, 3Veterinary Faculty, Leyte State University, Baybay, Philippines, 4University of Oklahoma Health Sciences Center, Oklahoma City, OK, United States, 5Brown University, Providence, RI, United States

Viruses — Other

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SEROPREVALENCE AND EPIDEMIOLOGICAL CHARACTERISTICS OF HUMAN T-LYMPHOTROPHIC VIRUS TYPE I AMONG SEX WORKERS IN THE CITY OF IQUITOS BETWEEN APRIL 2003 AND JANUARY 2004
Moises G. Sihuinch Malonado1, Geny Guzman2, Ada Valverde3, Cesar Cabezas3, Pilar Jarana4, Norberto Tanga4, Oscar Guerra5
1Loreto Regional Health Department, Iquitos, Peru, 2Universidad Nacional de la Amazonia Peruana, Iquitos, Peru, 3Instituto Nacional de Salud, Peru, Lima, Peru, 4Centro de Salud, San Juan, Iquitos, Peru

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A STUDY OF SUBCLINICAL INFECTION ON HEPATITIS E
Xueyi Cao
ThinkTank Research Center for Health Development, Beijing, China
SPECIFIC DETECTION OF WESTERN EQUINE ENCEPHALITIS VIRUS BY REAL-TIME RT-PCR

Martin Pfeffer1, Olvert Land1, Richard M. Kinney3, Roman Wölfel1, Sandra Essbauer1, Gerhard Dobler1
1Bundeswehr Institute of Microbiology, Munich, Germany, 2TibiMolBiol, Berlin, Germany, 3Centers for Disease Control and Prevention, Fort Collins, CO, United States

GENOME CHARACTERIZATION OF SMALLPOX VIRUS BY RESEQUENCING GENECHIPS

Irshad M. Sulaiman1, Scott Sammons2, Alan Frace2, Elizabeth Neuhaus2, Inger Damon3, Robert M. Wohlhueter2
1Centers for Disease Control and Prevention/National Center for Infectious Diseases/SRP/BCFB/AREF, Atlanta, GA, United States, 2Centers for Disease Control and Prevention/National Center for Infectious Diseases/SRP/BCFB, Atlanta, GA, United States, 3Centers for Disease Control and Prevention/National Center for Infectious Diseases/DVRD/Poxvirus Section, Atlanta, GA, United States

ARBOVIRAL CAUSES OF FEVER IN ECUADOR, BOLIVIA AND PERU, 2000 – 2005

Carolina Guevara1, Karla Block1, Claudio Rocha1, Zonia Rios1, Alfredo Huaman1, Roger Castillo1, Vidal Felices1, Cristopher Cruz1, Kevin Russel2, Tadeusz Kochel2, Patrick Blair2, Cesar Naquira3, Eduardo Gotuzzo4, Jorge Vargas5, Steve Manock7, Narcisa Brito7, Cesar Madrid8, M. Merizalde9, Tadeusz Kochel2
1U.S. Naval Medical Research Center Detachment, Lima, Peru, 2U.S. Naval Medical Research Center Detachment, Lima, Peru, 3U.S. Naval Medical Research Center Detachment, APO AA, AE, United States, 4Direccion de Salud, Iquitos, Peru, 5Oficina General de Epidemiologia, Ministerio de Salud, Peru, 6Instituto Nacional de Salud, Ministerio de Salud, Peru, 7Universidad Peruana Cayetano Heredia, Lima, Peru

IMPROVEMENT OF VENEZUELAN EQUINE ENCEPHALITIS VIRUS VACCINE ENVELOPE ANTIGENS BY USING DIRECTED MOLECULAR EVOLUTION

Lesley Dupuy1, Michelle Richards1, Madan Paidhungat2, Jack A. Lohre2, Maria A. Kuznetsova2, Peter Silvera2, Ruxandra Draghia2, Robert G. Whalen2, Connie Schmaljohn3, Christopher P. Locher2
1U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD, United States, 2Maxygen, Inc., Redwood City, CA, United States, 3Southern Research Institute, Frederick, MD, United States

HUMAN ILLNESS CAUSED BY CARAPARU AND MURUTUCU (GROUP C) VIRUSES, PERU, 2003 AND 2004

Alfredo Huaman1, Roxana Cáceda1, Juan Perez1, Roger Castillo1, Zonia Rios1, Carolina Guevara1, Claudio Rocha1, Karla Block1, Claudia Zavaleta2, Patrick Blair3, Carlos Vidal4, Luis Suarez5, Cesar Naquira6, Eduardo Gotuzzo1, James Olson5
1U.S. Naval Medical Research Center Detachment, Lima, Peru, 2Universidad Peruana Cayetano Heredia, Universidad Peruana Cayetano Heredia, Peru, 3U.S. Naval Medical Research Center Detachment, APO AA, AE, United States, 4Direccion de Salud, Iquitos, Peru, 5Oficina General de Epidemiologia, Ministerio de Salud, Peru, 6Instituto Nacional de Salud, Ministerio de Salud, Peru, 7Universidad Peruana Cayetano Heredia, Lima, Peru

INCIDENCE OF ARBOVIRAL ILLNESSES IN SCHOOL CHILDREN, IQUITOS, PERU, 2000-2004

Cecilia Rivera1, Carolina Guevara1, Alfredo Huaman1, Roger Castillo1, Roxana Cáceda1, Juan Perez1, Claudio Rocha1, Karla Block1, Tadeusz Kochel2, Patrick Blair2, James Olson2, Amy Morrison2, Tomás Scott3
1U.S. Naval Medical Research Center Detachment, Lima, Peru, 2U.S. Naval Medical Research Center Detachment, APO AA, AE, United States, 3University of Davis, Davis, CA, United States

CLINICAL EVALUATION AND VIROLOGIC DIAGNOSIS OF VENEZUELAN EQUINE ENCEPHALITIS IN PERU, JANUARY 2000-FEBRUARY 2005

Zonia Rios1, Roger Castillo1, Silvia Montano1, Alfredo Huaman1, Roxana Cáceda1, Carolina Guevara1, Claudio Rocha1, Karla Block1, Patrick Blair2, Tadeusz Kochel2, Eduardo Gotuzzo2, Carlos Vidal4, Luis Suarez5, Cesar Naquira6, James Olson5
1U.S. Naval Medical Research Center Detachment, Lima, Peru, 2U.S. Naval Medical Research Center Detachment, APO AA, AE, United States, 3Universidad Peruana Cayetano Heredia, Lima, Peru, 4Direccion de Salud, Iquitos, Peru, 5Oficina General de Epidemiologia, Ministerio de Salud, Peru, 6Instituto Nacional de Salud, Ministerio de Salud, Lima, Peru

IN VITRO, MELATONIN TREATMENT DECREASES NITRIC OXIDE LEVELS IN MURINE SPLENOCYTES CULTURED WITH THE VENEZUELAN EQUINE ENCEPHALOMYELITIS VIRUS

Nereida Valero1, Eddy Meleán1, Ernesto Bonilla2, Julia Arias1, Luz Marina Espina1, Leonor Chacin-Bonilla1, Yraima Larreal1, Merybell Maldonado1, Florencio Añez1, Germán J. Añez1
1Instituto de Investigaciones Clínicas “Dr. Américo Negrette”, Maracaibo, Venezuela, 2Instituto de Investigaciones Clínicas “Dr. Américo Negrette”/Departamento de Neurobiología, Instituto de Investigaciones Biomédicas (INBIOMED), Maracaibo, Venezuela
SEROLOGIC EVIDENCE OF EMCV IN RODENTS IN PERU 2004 - 2005
Roger Castillo1, Christian Albujar1, Alfredo Huaman1, Carolina Guevara1, Victor Pacheco2, Ursula Fajardo3, James Olson1
1U.S. Naval Medical Research Center Detachment, Lima, Peru, 2Museum of Natural History, University Nac. Mayor de San Marcos, Lima, Peru, 3Museum of Natural History University Nac. Mayor de San Marcos, Lima, Peru

HUMORAL IMMUNE RESPONSES OF CONVALESCENT PATIENTS WITH HANTAVIRUS PULMONARY SYNDROME: CHARACTERIZATION OF IGM, IGG, IGA, AND ISOTYPIC IGG SUBCLASSES
Adrienne Pierce, Robert Nofchissey, Sara Arguello, Claire Ralph, Brian Hjelle, Diane Goade
University of New Mexico, Albuquerque, NM, United States

REPLICATION OF FLOCK HOUSE VIRUS IN MEDICALLY IMPORTANT ARTHROPODS
Ranjit Dasgupta1, Susan M. Zietlow1, Heather M. Free1, Susan M. Paszewitz2, Serap Aksoy3, Lei Shi1, James H. Oliver1, Bruce M. Christensen1
1Dept. of Animal Health and Biomedical Sciences, University of Wisconsin-Madison, Madison, WI, United States, 2Dept. of Entomology, University of Wisconsin-Madison, Madison, WI, United States, 3Dept. of Epidemiology and Public Health, Yale University School of Medicine, New Haven, CT, United States, 4Institute of Arthropodology and Parasitology, Georgia Southern University, Statesboro, GA, United States

SEROPREVALENCE OF HANTAVIRUS IN CLETHRIONOMYS RUTILUS IN ALASKA USING A MULTITAGENT SIA AND RTPCR
Claire C. Ralph, Robert A. Nofchissey, Sara L. Arguello, Diane E. Goade, Joseph A. Cook
University of New Mexico, Albuquerque, NM, United States

SEROPREVALENCE AGAINST PUUMALA VIRUS IN DIFFERENT POPULATIONS DURING AN OUTBREAK IN EASTERN BAVARIA, GERMANY
Gerhard Dobler1, Sandra Essbauer1, Martin Pfeffer1, Stefan Rapp2, Roman Wölfel1, Rainer Ulrich1, Wolfgang Blank4
1Bundeswehr Institute of Microbiology, Munich, Germany, 2Bavarian Red Cross Blood Donation Service, Munich, Germany, 3Friedrich Loeffler Institute of Zoonosis Research, Wusterhausen, Germany, 4Private Physician, Kirchberg, Germany

Mid-Day Session Attendees:
Pick up a box lunch in the exhibit hall to bring to your session.

ACMCIP Abstracts - Molecular, Cellular and Immunoparasitology

Meet the Professors D: It's the Singer, Not the Song: How to Give an Effective Medical and Scientific Presentation
Supported with funding from GlaxoSmithKline
Lincoln East
Wednesday, December 14 12:15 – 1:15 p.m.
This session will explore how science, levity and personal anecdotes combine for a dynamic and engaging presentation.

PRESENTER
Jay Keystone
Toronto Hospital, Toronto, ON, Canada

History of Medicine: Yellow Fever (Movie)
Lincoln West
Wednesday, December 14 12:15 – 1:15 p.m.
This 40-minute film relates the expedition undertaken in 1954 by Richard Moreland Taylor and young scientists Herbert Hurlbuth and Telford H. Work, all working under the auspices of the Rockefeller Foundation at NAMRU-3, Cairo, Egypt. The purpose of this expedition was to evaluate Yellow Fever endemicity following the severe outbreak which struck the secluded Nuba populations in 1942. This film deals essentially with the different habitats conducive to the maintenance of a Yellow Fever transmission cycle. It starts with the DC3 flight planning over the Nubian desert, then Khartoum, with a striking view of the White Nile/Blue Nile junction under the bridge of Ombdurnam. There is a brief sequence on Khartoum, then some insight about the logistics of this trip, which is by train (steam locomotive) up to El Obeid, and then over land up to the Bhar El Arab at the Southern edge of Sudan. As the team goes from village to village, Work lingers on the customs and lifestyle of both the Nuba and the Dinka in the South. There is a glimpse of the Galagos and other primates which might be involved as a reservoir for the virus. The emphasis is on habitats as a determinant of possible virus endemicity: from short grass/Acacia savannah, to the isolated hillocks in the Nuba mountains, the Southern Lakes where the Baggarra and their cattle migrate, and finally the lush high grass Savannah and broad leaf trees of the South. This is probably one of the rare instances where one will see Dr. Taylor bleeding the Nuba children, and a very young Telford Work doing an autopsy of a Guenon. This film covers landscapes and people, and provides an insight about what it was to work in Africa in 1954.
PubMed and HINARI: Searching and Getting the Articles You Want

Jefferson East

Wednesday, December 14  
12:15 – 1:15 p.m.

PubMed is a Web interface enabling the users to search MEDLINE, the U.S. National Library of Medicine’s premier bibliographic database covering the fields of medicine, nursing, dentistry, veterinary medicine, the health care system, and the pre-clinical sciences. MEDLINE contains bibliographic citations and author abstracts from more than 4,800 biomedical journals published in the United States and 70 other countries. Coverage is worldwide, but most records are from English-language sources or have English abstracts. Health Internetwork is a partnership between the World Health Organization and several major biomedical publishers providing registered institutions in certain developing countries free full text access to more than 3000 scientific journals. Attendees will learn the basics and some advanced techniques of searching PubMed and retrieving the full text article online through PubMed free full text filter, PubMed Central, and especially HINARI. Also, saved search strategies and automated email updates with links to full text for HINARI via MyNCBI will be introduced. Additional instructional CDs will be provided to all attendees during the session or at the NCBI Exhibit booth.

http://www.healthinternetwork.org/  
http://www.pubmed.gov/

Chuong Huynh
National Institutes of Health/NLM/NCBI, Bethesda, MD, United States

HIV in the Tropics

Hemisphere

Wednesday, December 14  
1:30 – 3:30 p.m.

CHAIR
Jean B. Nachega
Johns Hopkins University, Baltimore, MD, United States

Davidson H. Hamer
Boston University, Center for International Health and Development, Boston, MA, United States

1:30 p.m.

MORBIDITY AND MORTALITY AMONG CHILDREN LIVING WITH HIV IN BLANTYRE, MALAWI

Miriam Laufer1, Joel J. vanOosterhout2, Maria A. Perez2, Joseph Kanyangalika3, Feston Thumba3, Terrie E. Taylor4, Christopher V. Flowe5, Stephen M. Graham3

1University of Maryland, Baltimore, MD, United States, 2University of Malawi College of Medicine, Blantyre, Malawi, 3Blantyre Malaria Project, Blantyre, Malawi, 4Michigan State University, E. Lansing, MI, United States, 5Malawi-Liverpool-Wellcome Trust Clinical Research Programme, Blantyre, Malawi

1:45 p.m.

BURDEN OF HIV/AIDS IN A MEDICAL EMERGENCY SETTING AT MULAGO NATIONAL REFERRAL HOSPITAL, UGANDA

Daniel J. Kyabayinze, Damalie K. Nakanjako, Moses R. Kamya, Elly Katabira
Makerere University, Kampala, Uganda

2 p.m.

HIGH PREVALENCE OF HIV AND SYPHILIS INFECTION IN A NATIVE COMMUNITY OF THE PERUVIAN AMAZON

Carol Zavaleta1, Connie Fernandez2, Yadira Valderrama2, Kelika A. Konda3, Eduardo Gotuzzo1

1Cayetano Heredia University, LIMA, Peru, 2Santa Gema Hospital, Yurimaguas, Peru, 3University of California, Los Angeles, Los Angeles, CA, United States

2:15 p.m.

ASSOCIATION OF ENTAMOEBA HISTOLYTICA/DISPAR WITH CD4 COUNT AMONG HIV/AIDS PATIENTS WITH COMPLAINTS OF DIARRHEA FROM THREE HOSPITALS IN ADDIS ABABA, ETHIOPIA

Amha K. Habtemicahele
Ethiopian Health and Nutrition Research Institute, Addis Ababa, Ethiopia

2:30 p.m.

PREVALENCE AND FACTORS ASSOCIATED WITH FUNCTIONAL ADRENAL INSUFFICIENCY IN CRITICALLY ILL HIV PATIENTS IN MULAGO HOSPITAL

David B. Meya1, Elly Katabira1, Allan Ronald2, Marcel A. Otim1, Robert Colebunders3, Merle Sande4

1Makerere University Medical School Kampala Uganda, Kampala, Uganda, 2Infectious diseases, St.Boniface Hospital, Winnipeg, MB, Canada, 3Infectious disease Institute, Kampala, Uganda, 4University of Utah Medicine School, Salt Lake City, UT, United States

2:45 p.m.

THE APPLICATION OF HIV-RELATED BIOSAFETY GUIDELINES BY MEDICAL LABORATORY WORKERS IN OYO STATE

Oladepo Oladimeji, Veronica O. Ogunleye
University of Ibadan, Ibadan, Nigeria
FALSE REACTIVE HIV SEROLOGIC TESTS IN PATIENTS WITH ACUTE MALARIA
Candida Abreu1, Vicenz Diaz-Brito1, Carla Monteiro2, Fernando Araujo2, Regina Pereira2, Antonio Mota-Miranda1
1Department of Infectious Diseases - Hospital S Joao and School of Medicine, Porto, Portugal, 2Department of Immunohemotherapy - Hospital S Joao and School of Medicine, Porto, Portugal

NEW TOOL FOR IN VITRO WORK ON HIV AND LEISHMANIA CO-INFECTION IMMUNOPATHOGENESIS
Sanjay Mehta1, Zhang Xing-Quan1, Celsa Spina1, John Day1, Robert Schooley1, Roberto Badaro2
1University of California at San Diego, San Diego, CA, 2Federal University of Bahia, Bahia, Brazil

Ectoparasite-Borne Diseases II
Military
Wednesday, December 14 1:30 – 3 p.m.
CHAIR
Wei-Mei Ching
Naval Medical Research Center, Silver Spring, MD, United States
Ivo M. Foppa
University of South Carolina, Columbia, SC, United States
1:30 p.m.
FROM TICK SPIT TO SPITOMES
Jose Ribeiro
National Institutes of Health, National Institute of Allergy and Infectious Diseases/LPD, Bethesda, MD, United States

2 p.m.
BASIC REPRODUCTIVE NUMBER ESTIMATES FOR DEER TICK-BORNE ZOONOSES IN THE ATLANTIC NORTHEAST
Ivo M. Foppa1, Heidi K. Goethert2, Andrew Spielman3, Sam R. Telford2
1Arnold School of Public Health, University of South Carolina, Columbia, SC, United States, 2Tufts University School of Veterinary Medicine, North Grafton, MA, United States, 3Harvard School of Public Health, Boston, MA, United States

DEMOGRAPHIC AND GEOGRAPHIC RISK FACTORS AMONG BABESIA MICROTI SEROPOSITIVE BLOOD DONORS IN CONNECTICUT
Jonathan J. Trouern-Trend1, Stephanie T. Johnson1, Richard G. Cable1, David A. Leiby2
1American Red Cross, Farmington, CT, United States, 2American Red Cross, Rockville, MD, United States

USE OF GIS AND CLUSTER ANALYSIS IN A BLOOD CENTER SETTING TO DEFINE BABESIA MICROTI AND ANAPLASMA PHAGOCYTOPHILUM HYPERENDEMIC AREAS IN CONNECTICUT
Stephanie T. Johnson1, Jennifer E. Gill2, David A. Leiby2, Megan Proctor-Nguyen2, Richard G. Cable1
1American Red Cross, Farmington, CT, United States, 2American Red Cross Holland Laboratory, Rockville, MD, United States

EVALUATION OF THE LONG TERM PROTECTIVE EFFICACY AND IMMUNGENICITY OF A DNA VACCINE PLASMID EXPRESSING THE 47 KDA ANTIGEN OF ORIENTIA TSUTSUGAMUSHI AND THE SAFETY OF THIS DNA VACCINE CANDIDATE IN AN OUTBRED MOUSE MODEL
Wei-Mei Ching1, Todd O. Johnson2, Teik-Chye Chan1, Chien-Chung Chao1, Hong Ge1, Guang Xu1, Ju Jiang1, Suchismita Chattopadhyay1, Allen L. Richards1
1USUHS, Bethesda, MD and Naval Med Res Ctr, Silver Spring, MD, United States, 2Naval Med Res Ctr, Silver Spring, MD, United States

Symposium 118

Staying on the Correct Path During Clinical Development of Preventive Vaccines: An Overperspective
Monroe East
Wednesday, December 14 1:30 – 3:15 p.m.
Reviewers from the Office of Vaccines Research and Review (OVRR) will discuss key regulatory issues to consider during clinical development of preventive vaccines. Topics covered will include the administrative process and potential pitfalls of submitting an IND application, the manufacture and characterization of preventive vaccines, and the design of clinical studies, including statistical issues, of preventive vaccines.
CHAIR
Jon R. Daugherty
United States Food and Drug Administration, Rockville, MD, United States
1:30 p.m.
INTRODUCTION
Jon R. Daugherty
U.S. Food and Drug Administration, Rockville, MD, United States

1:35 p.m.
FILING AN INVESTIGATIONAL NEW DRUG (IND) APPLICATION: THE ADMINISTRATIVE PROCESS AND POTENTIAL PITFALLS
George R. Gentile
United States Food and Drug Administration, Rockville, MD, United States

1:55 p.m.
FROM THE LAB BENCH TO THE CLINIC: REGULATORY ISSUES IN THE MANUFACTURE AND PRECLINICAL TESTING OF NEW PREVENTIVE VACCINES
Sheldon L. Morris
United States Food and Drug Administration, Bethesda, MD, United States

2:15 p.m.
CLINICAL ISSUES TO CONSIDER IN THE DEVELOPMENT OF NEW PREVENTIVE VACCINES
Steve R. Rosenthal
United States Food and Drug Administration, Rockville, MD, United States

2:35 p.m.
USE OF BRIDGING STUDIES IN THE CLINICAL EVALUATION OF PREVENTIVE VACCINES
Ann T. Schwartz
United States Food and Drug Administration, Rockville, MD, United States

2:55 p.m.
STATISTICAL ISSUES TO CONSIDER WHEN DESIGNING CLINICAL TRIALS FOR A NEW VACCINE
Henry S. Hsu
United States Food and Drug Administration, Rockville, MD, United States

Scientific Session 119
Mosquitoes — Vector Biology — Epidemiology III
Monroe West
Wednesday, December 14 1:30 – 3:15 p.m.
CHAIR
Gay Gibson
Chicago, IL, United States

Carlo Costantini
Institut de Recherche pour le Développement, Ouagadougou, Burkina Faso
2:30 p.m. 994

EFFECTS OF DEFORESTATION ON THE SURVIVAL, REPRODUCTIVE FITNESS AND GONOTROPHIC CYCLE OF ANOPHELES GAMBIAE IN WESTERN KENYA HIGHLANDS

Yaw A. Afrane1, Goufa Zhou2, Bernard W. Lawson3, Andrew K. Githeko1, Guiyun Yan2
1Kenya Medical Research Institute, Kisumu, Kenya, 2State University of New York at Buffalo, Buffalo, NY, United States, 3Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

2:45 p.m. 995

THE SPECIES-RICH ANOPHELES ANNULIPES COMPLEX

Desmond H. Foley, Richard C. Wilkerson
Walter Reed Army Institute of Research, Suitland, MD, United States

3 p.m. 996

GEOGRAPHIC AND ECOLOGIC DISTRIBUTION OF THE MALARIA VECTOR, ANOPHELES SINENSIS IN KOREA AND OTHER PARTS OF ASIA

Leopoldo M. Rueda1, Desmond H. Foley1, A. Townsend Peterson2, Richard C. Wilkerson1
1Walter Reed Army Institute of Research, Silver Spring, MD, United States, 2University of Kansas, Museum of Natural History, Lawrence, KS, United States

Symposium 120

The Pediatric Traveler

Lincoln West

Wednesday, December 14 1:30 – 3:15 p.m.

Millions of children cross international borders each year. International adoptees and migrants pose new challenges for practitioners. How can they best be prepared for travel? What should be done when they return ill? In this symposium, participants will review current pre-travel counsel and interventions, and instructive case studies of post-travel problems will be discussed.

CHAIR
Sheila Mackell
Mountain View Pediatrics, Flagstaff, AZ, United States

1:30 p.m.

PRACTICAL PREPARATION FOR TRAVELING FAMILIES

Karl Neumann
Forest Hills Family Travel and Immunization Center, New York, NY, United States

1:55 p.m.

MOLECULAR MARKERS: TOOLS FOR UNDERSTANDING SELECTION FOR DRUG RESISTANCE IN AFRICAN P. FALCIPARUM POPULATIONS

Cally Roper
London School of Hygiene and Tropical Medicine, London, United Kingdom

2:25 p.m.

SURVEILLANCE ON A GLOBAL SCALE

Dennis E. Kyle
Walter Reed Army Institute of Research, Silver Spring, MD, United States

2:05 p.m.

ILLNESS IN RETURNING CHILD TRAVELERS AND MIGRANTS

William Stauffer
University of Minnesota, Minneapolis, MN, United States

2:40 p.m.

UPDATE ON VACCINATING THE PEDIATRIC TRAVELER

Sheila Mackell
Mountain View Pediatrics, Flagstaff, AZ, United States

Symposium 120A

A Global Database of Antimalarial Drug Effectiveness: It’s About Time

Jefferson East

Wednesday, December 14 1:30 – 3:15 p.m.

A small group has been working for about a year to coordinate efforts to create a dynamic open access database that would include current and historical data on clinical efficacy, pharmacokinetics, in vitro responses and molecular markers related to drug resistance in P. falciparum and P. vivax. The speakers in the symposium will summarize their own work in this area and inform attendees how they can join in the effort to create this important resource.

CHAIR
Carol H. Sibley
University of Washington, Seattle, WA, United States

Olumide Ogundahunsi
World Health Organization, Geneva, Switzerland

1:30 p.m.

CLINICAL TRIALS OF ANTIMALARIA DRUG EFFICACY: WHAT CAN METANALYSIS TELL US?

Nicholas White
Mahidol University, Bangkok, Thailand

1:55 p.m.

MOLECULAR MARKERS: TOOLS FOR UNDERSTANDING SELECTION FOR DRUG RESISTANCE IN AFRICAN P. FALCIPARUM POPULATIONS

Cally Roper
London School of Hygiene and Tropical Medicine, London, United Kingdom

2:25 p.m.

SURVEILLANCE ON A GLOBAL SCALE

Dennis E. Kyle
Walter Reed Army Institute of Research, Silver Spring, MD, United States
Symposium 121
Japanese Encephalitis: Defining Disease Burden and New Tools for Diagnosing Disease
Jefferson West
Wednesday, December 14 1:30 – 3:15 p.m.
The endemic area for JE has been defined for many years, however, the actual burden of disease for JE remains poorly defined in many parts of Asia. Many countries, although considered endemic, have no data on disease transmission so the extent of the problem still eludes us. This symposia will give new data from activities related to defining the disease burden of JE disease in endemic countries. We will introduce new surveillance data including information from sites where JE cases had not been previously seen. We also will introduce new tools and techniques that are expanding access to diagnostics in the field, even in poor rural settings in Asia. All of this information is leading to a better understanding of JE disease in Asia and how to control it.

CHAIR
Julie Jacobson
PATH, Seattle, WA, United States
Lyle Petersen
Centers for Disease Control and Prevention, Fort Collins, United States

1:30 p.m.
JAPANESE ENCEPHALITIS IN INDONESIA: AN EMERGING ENDEMIC DISEASE
Agus Suwandono
National Institute of Health Research and Development, Jakarta, Indonesia

1:50 p.m.
ALL CAUSE ENCEPHALITIS STUDIES IN THAILAND: JAPANESE ENCEPHALITIS IN A COUNTRY WITH UNIVERSAL JE IMMUNIZATION
Sonja Olsen
Centers for Disease Control and Prevention, Bangkok, Thailand

2:10 p.m.
ENCEPHALITIS SURVEILLANCE IN BANGLADESH: JAPANESE ENCEPHALITIS REDISCOVERED
Susan Montgomery
Centers for Disease Control and Prevention, Atlanta, GA, United States

Symposium 122
Polymicrobial Diseases in the Tropics
Georgetown East
Wednesday, December 14 1:30 – 3:15 p.m.
Within the last few years, the concept that many diseases often called polymicrobial diseases can be etiologically linked to infection by more than one pathogen has been gaining more attention and awareness. Although much of the worlds population are infected with parasitic, viral and bacterial pathogens, the consequences to the host immune response following co-infection and what polymicrobial diseases result from these infections remain largely unstudied. In this symposium, we will explore the interaction between several pathogens and their potential link to polymicrobial diseases.

CHAIR
Rosemary Rochford
SUNY Upstate Medical University, Syracuse, NY, United States
Ann M. Moormann
Case Western Reserve University, Cleveland, United States

1:30 p.m.
INTERACTIONS BETWEEN MALARIA AND EPSTEIN-BARR VIRUS: CLUES TO THE GENESIS OF BURKITT’S LYMPHOMA
Rosemary Rochford
SUNY Upstate Medical University, Syracuse, NY, United States

2 p.m.
EFFECTS OF SCHISTOSOMIASIS ON IMMUNODEFICIENCY VIRUS CO-INFECTIONS
W. Evan Secor
Centers for Disease Control and Prevention, Atlanta, GA, United States
During the past three decades, unprecedented rates of change in diversity of non-human biota caused by many factors such as deforestation, agricultural intensification, invasions of exotic species, and climate change have coincided with the emergence and reemergence of many infectious diseases, especially in the tropics. While a descriptive understanding of some examples exists, there is little mechanistic understanding of basic ecological principles that may regulate infectious disease emergence. Recently, advances have been made in the ability to analyze and model biocomplexity and ecological dynamics, and to evaluate spatial and temporal aspects of environmental change. Combined with improvements in the understanding of pathogen and vector molecular biology, as well as host defense, these advances have resulted in improvements in our understanding of epidemiology and transmission patterns of several tropical and emerging diseases. This symposium will highlight four projects that take a variety of ecological approaches to study parasitic and viral tropical diseases.

**Symposium 123**

**Ecological Approaches to the Study of Tropical Diseases**

Georgetown West

Wednesday, December 14 1:30 – 3:15 p.m.

Chagas disease affects up to 18 million people in Latin America; it is a fatal and neglected disease which kills around 50,000 people each year. MSF will present the results of its field experience in Honduras and Bolivia, where we have treated over 900 chagas patients. Through its results, MSF will show that chagas is treatable and that people in Latin America are entitled to access to diagnosis and treatment which is appropriate, safe and effective.

**Symposium 124**

**Chagas Disease: A Silent and Silenced Crisis**

International Ballroom East

Wednesday, December 14 1:30 – 3:15 p.m.
THE CASE FOR SIMPLE AND EFFECTIVE RAPID DIAGNOSTIC TESTS: A REVIEW OF DIAGNOSTIC TOOLS AVAILABLE FOR CHAGAS:
Martine Guillerm
Medecins Sans Frontieres/Doctors Without Borders, Paris, France

Scientific Session 125
American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) — Immunoparasitology I
Supported with funding from the Burroughs Wellcome Fund

International Ballroom West
Wednesday, December 14 1:30 – 3:15 p.m.

CHAIR
Joseph M. Vinetz
University of California at San Diego, La Jolla, CA, United States
Subash Babu
National Institutes of Health, Bethesda, MD, United States

1:30 p.m.

TRACKING THE GENERATION OF THE CD4+ T CELL RESPONSE DURING TOXOPLASMOSIS
Marion Pepper, Florence Dzierszinski, David Roos, Christopher A. Hunter
University of Pennsylvania, Philadelphia, PA

1:45 p.m.

IMPAIRMENT OF BOTH TH1 AND TH2 RESPONSES IN LYMPHATIC FILARIASIS: A ROLE FOR T CELL EXTRINSIC (TGF-beta, IDO, CTLA-4, PD-1) AND INTRINSIC (FOXP3 AND E3 UBIQUITIN LIGASES) FACTORS
Subash Babu1, Carla P. Blauvelt1, V. Kumaraswami2, Thomas B. Nutman1
1National Institutes of Health, Bethesda, MD, United States, 2TRC, Chennai, India

2 p.m.

HELMINTH INFECTION INDUCES A PULMONARY ENVIRONMENT THAT DAMPENS ALLERGEN-INDUCED HYPERREACTIVITY
Joshua Reece, Mark Siracusa, Alan Scott
Johns Hopkins University, Baltimore, MD, United States

2:15 p.m.

GENETIC DIFFERENCES IN HOST SUSCEPTIBILITY OF MICE TO LEISHMANIA MEXICANA REVEALED IN A LOW DOSE EAR INFECTION MODEL
Lucia Rosas, Tracy Keiser, Joseph Barbi, Alecia Septer, Jennifer Kaczmarek, Abhay R. Satoskar
The Ohio State University, Columbus, OH

2:30 p.m.

IL-21 RECEPTOR DEFICIENCY DECREASES TH2 RESPONSES FOLLOWING HELMINTH INFECTION
John T. Pesce1, Mallika Kaviratne Kaviratne1, Allen W. Cheever2, Deborah A. Young3, Mary Collins1, Michael J. Grusby4, Joseph F. Urban5, Thomas A. Wynn1
1National Institutes of Health/National Institute of Allergy and Infectious Diseases/LPD, Bethesda, MD, United States, 2Biomedical Research Institute, Rockville, MD, United States, 3Wyeth Research, Cambridge, MA, United States, 4Department of Immunology and Infectious Diseases, Harvard School of Public Health, Boston, MA, United States, 5Nutrient Requirements and Functions Laboratory, Beltsville Human Nutrition Research Center, U.S. Department of Agriculture, Beltsville, MD, United States

2:45 p.m.

A NOVEL PRO-INFLAMMATORY T CELL SUBSET MEDIATES HIGH PATHOLOGY IN SCHISTOSOMIASIS
Laura I. Rutitzky, Jessica R. Lopes da Rosa, Miguel J. Stadecker
Tufts University School of Medicine, Boston, MA, United States

3 p.m.

STAT-1 DEFICIENCY INCREASES HOST RESISTANCE AND REDUCES HEPATIC IMMUNOPATHOLOGY DURING VISCERAL LEISHMANIASIS
Abhay Satoskar, Lucia Rosas, Anjali Satoskar, Joseph Barbi, Tracy Pappenfuss, Tracy Keiser, Joan Durbin
Ohio State University, Columbus, OH, United States

Coffee Break
Exhibit Hall
Wednesday, December 14 3:15 – 3:45 p.m.
Detailed Program

Scientific Session 126

Malaria — Biology and Pathogenesis II

Military

Wednesday, December 14 3:45 – 5:30 p.m.

CHAIR
D. Channe Gowda
Pennsylvania State University College of Medicine, Hershey, PA, United States

Johanna P. Daily
Harvard School of Public Health, Boston, MA, United States

3:45 p.m.

DEVELOPMENT OF MATURE PLASMODIUM FALCIPARUM LIVER STAGE PARASITES IN MICE CONTAINING CHIMERIC HUMAN LIVERS
John B. Sacci1, Uzma Alam1, Donna Douglas2, Jamie Lewis2, D. Lorne Tyrrell2, Abdu F. Azad1, Norman M. Kneteman2
1University of Maryland School of Medicine, Baltimore, MD, United States, 2University of Alberta, Edmonton, AB, Canada

4 p.m.

CEREBRAL MALARIA (CM) ASSOCIATED BLOOD-BRAIN BARRIER (BBB) APOPTOSIS
Henry B. Armah1, Vincent C. Bond1, Zuzana Kucerova3, Kiantra Ramey1, Bismark Y. Sarfo2, Richard K. Gyasi2, Andrew A. Adjei2, Micheal D. Wilson2, Daniel Y. Boakye2, Yao Tettey3, Edwin K. Wiredu3, Jonathan K. Stiles1
1Morehouse School of Medicine, Atlanta, GA, United States, 2Noguchi Memorial Institute for Medical Research, Accra, Ghana, 3University of Ghana Medical School, Accra, Ghana

(ACMCIP Abstract)

4:30 p.m.

PLASMODIUM INFECTED ERYTHROCYTES ACTIVATE HUMAN BRAIN MICROVASCULAR ENDOTHELIAL CELLS
Monique F. Stins1, Abhai Tripathi2, David Sullivan2
1Johns Hopkins SOM, Baltimore, MD, United States, 2Johns Hopkins School of Public Health, Baltimore, MD, United States

4:45 p.m.

FRAP, A NOVEL PLASMODIUM FALCIPARUM PROTEIN INVOLVED IN MALARIA PATHOGENESIS
Rana Nagarkatti1, Dewal Jani1, Rana Chattopadhyay2, Patricia de la Vega2, Dharmendar Rathore1
1Virginia Bioinformatics Institute, Blacksburg, VA, United States, 2Naval Medical Research Center, Silver Spring, MD, United States

5 p.m.

USE OF A HETERODUPLEX TRACKING ASSAY TO DETECT MULTIPLE P. FALCIPARUM INFECTIONS IN PREGNANT MALAWIANS
Jesse J. Kwiek1, Alisa P. Alker1, Linda Kalilani1, Innocent Mofolo2, Ella Nkhoma1, Stephen Rogerson3, Steven R. Meshnick1
1UNC-Chapel Hill, Chapel Hill, NC, United States, 2UNC-Malaria Project, Blantyre, Malawi, 3University of Melbourne, Melbourne, Australia

5:15 p.m.

ASSOCIATIONS BETWEEN DEFINED POLYMORPHIC VARIANTS IN THE PFRH LIGAND FAMILY AND THE INVASION PATHWAYS USED BY P. FALCIPARUM FIELD ISOLATES FROM BRAZIL
Cheryl A. Lobo1, Marilis Rodriguez1, Claudio J. Struchiner2, Mariano G. Zalis3, Sara Lustgman1
1New York Blood Center, New York, NY, United States, 2Brazilian School of Public Health, FIOCRUZ, Rio de Janeiro, Brazil, 3University Hospital, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

(ACMCIP Abstract)
Symposium 127

Assorted ‘Hot Topics’ on the Regulation of Preventive Vaccines and Related Biological Products

Monroe East

Wednesday, December 14 3:45 p.m. – 5:30 p.m.

This session will include a discussion of various regulatory topics pertaining to the regulation of preventive vaccines and live biotherapeutic products, including probiotics. These topics will include nonclinical issues pertaining to the safety assessment of preventive vaccines, regulatory considerations in the nonclinical safety assessment of vaccine adjuvants, regulatory pathways to expedite preventive vaccine approvals and regulatory considerations in the development of live biotherapeutic products, including probiotics, for clinical use.

CHAIR
Jon R. Daugherty
United States Food and Drug Administration, Rockville, MD, United States

3:45 p.m.
INTRODUCTION
Jon R. Daugherty
U.S. Food and Drug Administration, Rockville, MD, United States

3:50 p.m.
SAFETY ASSESSMENT OF PREVENTIVE VACCINES: NONCLINICAL ISSUES
Marion F. Gruber
United States Food and Drug Administration, Rockville, MD, United States

4:15 p.m.
REGULATORY CONSIDERATIONS IN THE NONCLINICAL SAFETY ASSESSMENT OF VACCINE ADJUVANTS
Elizabeth M. Sutkowski
United States Food and Drug Administration, Rockville, MD, United States

4:40 p.m.
REGULATORY PATHWAYS TO EXPEDITE PREVENTIVE VACCINE APPROVALS
Jon R. Daugherty
United States Food and Drug Administration, Rockville, MD, United States

5:05 p.m.
REGULATORY CONSIDERATIONS IN THE DEVELOPMENT OF LIVE BIOTHERAPEUTIC PRODUCTS, INCLUDING PROBIOTICS, FOR CLINICAL USE
Julienne M. Vaillancourt
United States Food and Drug Administration, Rockville, MD, United States

Symposium 128

Insect-Parasite Interactions

Monroe West

Wednesday, December 14 3:45 – 5:30 p.m.

A number of deadly infectious diseases, including malaria and leishmaniasis, require an obligatory insect vector for transmission to occur. Thus, the cycle of the parasites in the vector is a potential weak link in the transmission chain. Traditional control measures are either only partially effective (drugs, insecticides) or extremely hard to develop (vaccines). These considerations emphasize the importance to better understand parasite-insect vector interactions because such knowledge could lead to the development of novel control strategies. Exciting new discoveries have recently been made in this area of knowledge. The symposium will highlight some of these advances. Speakers will be asked to relate their discoveries to potential new strategies for disease control.

CHAIR
Marcelo Jacobs-Lorena
Johns Hopkins School of Public Health, Baltimore, MD, United States

3:45 p.m.
COMPARATIVE ANALYSES OF ANOPHELES GAMBIABE DEFENSE RESPONSES TO PLASMODIUM FALCIPARUM AND PLASMODIUM BERGHEI INFECTION
George Dimopoulos
Johns Hopkins School of Public Health, Baltimore, MD, United States

4:15 p.m.
TWO PEROXIDASES MEDIATE REFRACTORINESS TO PLASMODIUM INFECTION IN A. GAMBIABE
Carolina Barillas-Mury
National Institute of Allergy and Infectious Diseases, Rockville, MD, United States

4:40 p.m.
VECTOR COMPETENCE OF SAND FLIES FOR LEISHMANIA: TOWARDS A TRANSMISSION BLOCKING VACCINE
Shaden Kamhawi
National Institute of Allergy and Infectious Diseases, Rockville, MD, United States

5:05 p.m.
MOLECULAR INTERACTIONS BETWEEN PLASMODIUM SPOROZOITES AND MOSQUITO SALIVARY GLANDS
Marcelo Jacobs-Lorena
Johns Hopkins School of Public Health, Baltimore, MD, United States
Symposium 129

Quantitative Models of Vector-Borne Diseases: The First 100 Years

Lincoln East

Wednesday, December 14 3:45 – 5:30 p.m.

The two-fold purpose of this symposium is to showcase mathematical modeling of vector-borne diseases and to facilitate a scientific dialogue between mathematical modelers and basic scientists and epidemiologists attending the annual ASTMH meeting. The four talks will target a scientific audience not specializing in mathematical modeling and will cover a wide range of topics related to mathematical models of vector-borne diseases, including a historical overview, a general discussion of the basic reproductive number, a discussion of factors affecting this quantity and the issue of scale.

CHAIR
Ivo M. Foppa
Arnold School of Public Health, University of South Carolina, Columbia, SC, United States

3:45 p.m.
A BRIEF HISTORY OF MALARIA MODELS
David L. Smith
Fogarty International Center, National Institutes of Health, Bethesda, MD, United States

4:15 p.m.
THE CONCEPT OF THE BASIC REPRODUCTIVE NUMBER OF VECTOR-BORNE DISEASES AND ITS SIGNIFICANCE FOR DISEASE CONTROL
Ivo M. Foppa
Arnold School of Public Health, University of South Carolina, Columbia, SC, United States

4:40 p.m.
THE EFFECT OF DIFFERENT BIOLOGICAL ASSUMPTIONS ON R_0 IN WEST NILE VIRUS-LIKE EPIDEMIOLOGICAL MODELS
Marjorie J. Wonham
Centre for Mathematical Biology University of Alberta, Edmonton, AB, Canada

5:05 p.m.
SCALE IN MODELS OF VECTOR-BORNE DISEASE
Cynthia C. Lord
University of Florida, Vero Beach, FL, United States

Symposium 130

Pediatric Concerns in Tropical Medicine Research

Lincoln West

Wednesday, December 14 3:45 – 5:30 p.m.

Children are the focus of tropical medicine research, yet they have distinct needs and concerns as children that require attention beyond standard research studies. While pediatric subjects have helped us to better understand tropical diseases, what do we know about the impact of these diseases on their well-being? This symposium will review the impact of common infectious diseases on the nutrition, growth, and cognitive development of children in tropical countries. The symposium will conclude with a look at the challenges of implementing the most effective method of infectious disease prevention — immunization.

CHAIR
Miriam K. Laufer
University of Maryland, Baltimore, MD, United States
Chandy C. John
University of Minnesota, Minneapolis, United States

3:45 p.m.
DIARRHEAL DISEASE, GENETICS, GROWTH AND COGNITION: WHAT’S THE CONNECTION?
Richard L. Guerrant
University of Virginia, Charlottesville, VA, United States

4:15 p.m.
EFFECTS OF HELMINTH INFECTIONS ON NUTRITION AND DEVELOPMENT
Jennifer F. Friedman
Brown University, Providence, RI, United States

4:40 p.m.
DOES MALARIA AFFECT THE DEVELOPING BRAIN?
Chandy C. John
University of Minnesota, Minneapolis, MN, United States

5:05 p.m.
PERSISTENCE OF VACCINE-PREVENTABLE DISEASES IN PEDIATRIC POPULATIONS IN DEVELOPING COUNTRIES
Myron M. Levine
Center for Vaccine Development, University of Maryland, Baltimore, MD, United States
Symposium 131

Japanese Encephalitis: The Challenges and Successes of Disease Control and Disability Assessment in the Developing World

Jefferson West

Wednesday, December 14 3:45 – 5:30 p.m.

This symposia will present and discuss recent advances and challenges in the control of JE in Asia. JE is the second vaccine preventable disease in the Flavivirus family after Yellow Fever. As we move towards vaccines for other Flaviviruses like Dengue and West Nile viruses, it is important to evaluate the lessons learned and barriers to access that have affected the uptake of JE. Topics will include an update on JE vaccine development, strategies for JE control, program impact, cost effectiveness of JE immunization, and the challenge of determining the disability following encephalitis.

CHAIR
Julie Jacobson
PATH, Seattle, WA, United States

Lyle Petersen
Centers for Disease Control and Prevention, Fort Collins, CO, United States

3:45 p.m.
STRATEGIES FOR THE CONTROL OF JE: A FIELD EVALUATION OF HIGH-RISK IMMUNIZATION IN ANDHRA PRADESH, INDIA
Rajshankar Ghosh
PATH, New Delhi, India

4:05 p.m.
JE VACCINES FOR ENDEMIC COUNTRIES: WHAT’S THE SOLUTION FOR DEVELOPING COUNTRIES
Mansour Yaich
PATH, Ferney, France

4:25 p.m.
MAKING SENSE OF DATA AT THE COUNTRY LEVEL: COST-EFFECTIVENESS ANALYSIS AND POLICY DECISIONS, EVIDENCE FROM FOUR ENDEMIC COUNTRIES
Chutima Suraratdecha
PATH, Seattle, WA, United States

4:45 p.m.
A SIMPLE TOOL FOR ASSESSING DISABILITY IN JAPANESE ENCEPHALITIS
Tom Solomon
University of Liverpool, Liverpool, United Kingdom

5:05 p.m.
POST-ENCEPHALITIS DISABILITY DETERMINATION IN THE DEVELOPED AND DEVELOPING WORLD
James J. Sejvar
Centers for Disease Control and Prevention, Atlanta, GA, United States

Symposium 133

RBx11160/OZ277 The First Synthetic Trioxolane Antimalarial

Georgetown West

Wednesday, December 14 3:45 – 5:30 p.m.

The symposium will present the data which was used to select the first synthetic peroxide antimalaria to go into clinical development and the Phase I first time in humans data. The plans for the clinical development of this new antimalarial will be presented.

CHAIR
J. C. Craft
Medicines for Malaria Venture, Geneva, Switzerland

Vijay K. Batra
Ranbaxy Laboratories Limited, New Delhi, India

3:45 p.m.
ACTIVITY PROFILE OF SYNTHETIC TRIOXOLANE OF ANTI-MALARIALS
Sergio Wittlin
Swiss Tropical Institute, Basel, Switzerland

4:15 p.m.
SELECTION OF A SYNTHETIC TRIOXOLANE CANDIDATE FOR DEVELOPMENT
William N. Charman
Monash University, Melbourne, Australia

4:40 p.m.
HUMAN SAFETY AND PHARMACOKINETICS OF RBX 11160/OZ 277
Tim Mant
Guy’s Drug Research Unit, London, United Kingdom

5:05 p.m.
CLINICAL DEVELOPMENT STRATEGY FOR RBX 11160/OZ 277
Nilanjan Saha
Ranbaxy Laboratories Limited, New Delhi, India
Scientific Session 135

American Committee of Molecular, Cellular and Immunoparasitology (ACMCIP) — Immunoparasitology II

Supported with funding from the Burroughs Wellcome Fund

International Ballroom West

Wednesday, December 14 3:45 – 5:30 p.m.

CHAIR
John H. Adams
University of Notre Dame, Notre Dame, IN, United States
Stuart J. Kahn
Infectious Disease Research Institute, Seattle, WA, United States

3:45 p.m.

1109

REDUCED TH1 CELL DEVELOPMENT FOLLOWING INFECTION WITH LEISHMANIA MEXICANA
Alice Hsu1, Phillip Scott2
1University of Pennsylvania, Philadelphia, PA; 2University of Pennsylvania, Philadelphia, PA

4 p.m.

1009

LIVE MICROFILARIAE OF BRUGIA MALAYI INDUCE CELL DEATH IN DENDRITIC CELLS THROUGH A TRAIL-DEPENDENT MECHANISM
Roshanak Tolouei Semnani1, Francoise Meylan2, Julia K. Gilden1, Joseph Kubofcik1, Richard Siegel1, Thomas B. Nutman1
1National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States; 2NIAMS, National Institutes of Health, Bethesda, MD, United States

4:15 p.m.

1010

A NATURALLY OCCURRING STRAIN OF LEISHMANIA MAJOR WHICH IS LACKING SIDE CHAIN GALACTOSE RESIDUES ON PHOSPHOGLYCANS REVEALS A ROLE FOR THE IMMUNE RESPONSE TO THE PRESENCE OF SUGARS
Charles Anderson1, Steve M. Beverley2, David L. Sacks1
1National Institute of Allergy and Infectious Diseases/National Institutes of Health, Bethesda, MD, United States; 2Washington University School of Medicine, St. Louis, MO, United States

4:30 p.m.

1011

LEISHMANIA SPECIES SELECTIVELY PRIME HUMAN DENDRITIC CELLS FOR INTERLEUKIN-12 PRODUCTION
Asha Jayakumar, Mary Ann McDowell
University of Notre Dame, Notre Dame, IN, United States

4:45 p.m.

1012

REGULATORY T CELL FUNCTION IN TANZANIAN INFANTS VARIES ACCORDING TO MATERNAL GRAVIDITY AND PLACENTAL MALARIA STATUS AT DELIVERY
Sanders K. Chai1, Michal Fried1, Theonest Mutabingwa2, Patrick Duffy3
1Mother Offspring Malaria Study, Seattle Biomedical Research Institute, Seattle, WA, United States; 2London School of Hygiene and Tropical Medicine, London, United Kingdom; 3Walter Reed Army Institute of Research, Silver Spring, MD, United States

5 p.m.

1013

ROLE OF Gα12 SIGNALING DURING THE PROTECTIVE ADAPTIVE IMMUNE RESPONSE AGAINST STRONGYLOIDES STERCORALIS INFECTION IN MICE
Udaikumar M. Padigel1, James J. Lee2, David Abraham1
1Thomas Jefferson University, Philadelphia, PA, United States; 2Mayo Clinic, Scottsdale, AZ, United States

5:15 p.m.

1014

NKT CELL FUNCTION DURING TRYPANOSOMA CRUZI INFECTION
Stuart J. Kahn, Malcolm S. Duthie, Maria F. Kahn, Maria White
Infectious Disease Research Institute, Seattle, WA, United States

Poster Session B Dismantle

Exhibit Hall
Wednesday, December 14 5:30 – 7 p.m.

Plenary Session IV

International Ballroom Center

Wednesday, December 14 6 – 7:30 p.m.

Presidential Address and Annual Business Meeting

CHAIR
George Hillyer
University of Puerto Rico School of Medicine, San Juan, Puerto Rico

Edward T. Ryan
Massachusetts General Hospital, Boston, MA, United States
ASTMH 54th Annual Meeting

6 p.m.
INTRODUCTION
Duane Gubler
Asia-Pacific Institute of Tropical Medicine, Honolulu, HI, United States

6:15 p.m.
VIROLOGY AND TROPICAL MEDICINE: THEN, NOW AND WHITHER
Thomas P. Monath
Acambis Inc., Cambridge, MA, United States

6:45 p.m.
ASTMH ANNUAL BUSINESS MEETING
George Hillyer
University of Puerto Rico School of Medicine, San Juan, Puerto Rico

Thursday, December 15

Registration
Concourse Foyer
Thursday, December 15 7 – 10:30 a.m.

Symposium 136

Into the Woods: the Ecology and Natural History of Zoonotic Poxviruses

Monroe East
Thursday, December 15 8 – 9:45 a.m.

Orthopox viruses, within family Poxviridae, have a worldwide distribution and include multiple important pathogens of humans and other animals. Such viruses include variola (the agent that caused smallpox), monkeypox, vaccinia and cowpox viruses. Variola virus was historically responsible for more human fatalities than perhaps any other known viral pathogen. Despite this, the natural history, ecology, and evolutionary origins of most species within this genus are incompletely understood. Orthopox viruses have recently been implicated as sources of emerging human and livestock disease in Brazil and Africa, as (imported) agents of human and companion animal infections in the US, and as zoonotic components of rodent populations in Europe. This session will assemble an international panel of researchers who will present selected topics pertinent to bettering our understanding of the natural histories and ecologies of mammalian poxviruses.

CHAIR
Russell Regnery
Centers for Disease Control and Prevention, Atlanta, GA, United States

Darin S. Carroll
Centers for Disease Control and Prevention, Atlanta, GA, United States

8 a.m.
RABBITS AND POXVIRUSES: AN EVOLUTIONARY TALE
Thomas Yuill
University of Wisconsin, Madison, WI, United States

8:25 a.m.
COWPOX — A MODEL ZOONOSIS
Malcolm Bennett
Faculty of Veterinary Science, University of Liverpool, Liverpool, United Kingdom

8:50 a.m.
GENETIC DIVERSITY OF VACCINIA VIRUS STRAINS ISOLATED FROM OUTBREAKS IN BRAZIL
Erna Gessien Kroon
Universidade Federal de Minas Gerais, Laboratório de Vírus, Departamento de Microbiologia, Belo Horizonte, Brazil

9:15 a.m.
THE NATURAL HISTORY AND ECOLOGY OF ORTHOPOXVIRUSES
Darin S. Carroll
Centers for Disease Control and Prevention, Atlanta, GA, United States

Symposium 137

The Anopheles Gambiae Genome: What Has It Taught So Far?

Monroe West
Thursday, December 15 8 – 9:45 a.m.

The complete Anopheles gambiae genome sequence was published in 2002. In this symposium we examine how the genome has been used by researchers to provide new insights into the biology of this important malaria vector and to explore new ways that it may be utilized in the future. Topics include the mosquito immune system, discovery of novel targets for the development of new insecticides, the genetics of insecticide resistance and insights into the basic evolutionary biology of this species.

CHAIR
Gregory C. Lanzaro
University of California, Davis, CA, United States

George Dimopoulos
Johns Hopkins University, Baltimore, United States

8 a.m.
POST GENOME SEQUENCE ANOPHELES GAMBIAE TRANSCRIPTOMIC ANALYSES
George Dimopoulos
Johns Hopkins University, Baltimore, MD, United States
8:30 a.m.  1017
SYSTEMS BIOLOGY OF THE MOSQUITO INNATE IMMUNITY: NEGATIVE AND POSITIVE INTERACTIONS WITH THE MALARIA PARASITE
George K. Christophides
European Molecular Biology Lab, Heidelberg, Germany

8:55 a.m.  1018
PROGRESS TOWARDS A SPECIFIC MICROARRAY FOR DETECTING INSECTICIDE RESISTANCE IN FIELD POPULATIONS OF MALARIA VECTORS
Hilary Ranson
Liverpool School of Tropical Medicine, Liverpool, United Kingdom

9:20 a.m.  1019
GENOMIC ISLANDS OF SPECIATION IN ANOPHELES GAMBIAE
Thomas Turner
University of California, Davis, CA, United States

Scientific Session 138

Flavivirus IV — West Nile Virus
Lincoln East
Thursday, December 15  8 – 9:45 a.m.
CHAIR
Robert B. Tesh
University of Texas Medical Branch, Galveston, TX, United States
Ted C. Pierson
National Institutes of Health, Bethesda, MD, United States

8 a.m.  1015
MORPHOLOGICAL AND CYTOPATHOLOGICAL CHANGES ASSOCIATED WITH WEST NILE VIRUS REPLICATION IN TARGET TISSUES OF A CULEX MOSQUITO VECTOR
Yvette A. Girard, Julie Wen, Violet Han, Bradley S. Schneider, Vsevolod Popov, Stephen Higgs
University of Texas Medical Branch, Galveston, TX, United States

8:15 a.m.  1016
PERSISTENT WEST NILE VIRUS INFECTION IN THE GOLDEN HAMSTER (MESOCRICETUS AURATUS)
Robert B. Tesh, Marina Siirin, Hilda Guzman, Amelia P. Travassos da Rosa, Xiaoyan Wu, Tao Duan, Hao Lei, Marcio R. Nunes, Shu-Yuan Xiao
University of Texas Medical Branch, Galveston, TX, United States

8:30 a.m.  1017
A SINGLE NS3 AMINO ACID SUBSTITUTION MODULATES AVIAN VIRULENCE OF THE PATHOGENIC NORTH AMERICAN WEST NILE VIRAL STRAIN
Aaron C. Brault1, Stanley A. Langevin1, Richard A. Bowen2, Leslie Woods1, Nicholas A. Panella3, Claire Y.-H. Huang3, Ann M. Powers1, Barry R. Miller3, Richard M. Kinney3
1University of CA, Davis, Davis, CA, United States, 2Colorado State University, Fort Collins, CO, United States, 3Centers for Disease Control and Prevention, Fort Collins, CO, United States

8:45 a.m.  1018
TYPE I IFN PROTECTS AGAINST LETHAL WEST NILE VIRUS INFECTION THROUGH PKR AND RNASEL DEPENDENT AND INDEPENDENT MECHANISMS
Melanie A. Samuel, Kevin Whitby, Anantha Marri, Michael S. Diamond
Washington University School of Medicine, St. Louis, MO, United States

9 a.m.  1019
THE MOLECULAR BASIS OF NEUTRALIZATION BY ANTIBODIES THAT RECOGNIZE DOMAINS I AND II OF WEST NILE VIRUS ENVELOPE PROTEIN
Theodore Oliphant1, Grant Nybakken1, Christopher Nelson1, Beverley Chen1, Michael Engle1, Theodore Pierson2, Daved Fremont1, Michael Diamond1
1Washington University School of Medicine, St Louis, MO, United States, 2National Institute of Health, Bethesda, MD, United States

9:15 a.m.  1020
THE DEVELOPMENT OF RAPID AND QUANTITATIVE METHODS FOR MEASURING ANTIBODY-MEDIATED NEUTRALIZATION AND ENHANCEMENT OF WEST NILE VIRUS INFECTION
Jessica L. Ess1, Theodore L. Oliphant2, Qing Xu1, Daved H. Freemont1, Michael S. Diamond4, Ted C. Pierson1
1Viral Pathogenesis Section, Laboratory of Viral Diseases, National Institutes of Health, Bethesda, MD, United States, 2Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, MO, United States, 3Department of Pathology and Immunology, Washington University School of Medicine, St. Louis, MO, United States, 4Departments of Medicine, Molecular Microbiology, Pathology and Immunology, Washington University School of Medicine, St. Louis, MO, United States
WEST NILE VIRUS DIAGNOSTIC AND SURVEILLANCE NETWORK IN THE CARIBBEAN
Thierry Lefrancois1, Kirk Douglas2, Dane Coombs3, Nadin Thompson3, Reginal Thomas4, Sophie Molia1, Nathalie Vachiery1, Bradley Blitvich5, Dominique Martinez1
1CIRAD, Petit Bourg, Guadeloupe, 2University of the West Indies, Bridgetown, Barbados, 3University of the West Indies, Port-of-Spain, Trinidad and Tobago, 4Veterinary Services, Roseau, Dominica, 5Colorado State University, Fort Collins, CO, United States

SCIENTIFIC SESSION 139
HELMINTHS I
Lincoln West
Thursday, December 15 8 - 9:45 a.m.
CHAIR
Mark Eberhard
Centers for Disease Control and Prevention, Atlanta, GA, United States
Peter M. Schantz
Centers For Disease Control and Prevention, Atlanta, GA, United States

A TARGETED FUNCTIONAL GENOMIC ASSESSMENT OF LOCAL AND SYSTEMIC RESPONSES TO TRICHURIS SUIS INDICATES RESISTANCE OR SUSCEPTIBILITY TO ADULT WORM INFECTION
Joseph F. Urban, Ethiopia Beshah, Eudora Jones, Harry Dawson
United States Department of Agriculture, Beltsville Human Nutrition Research Center, Nutrient Requirements and Functions Laboratory, Beltsville, MD, United States
(ACMCIP Abstract)

ALTERNATIVELY ACTIVATED MACROPHAGES ACCUMULATE AT THE HOST: PARASITE INTERFACE AND CONTRIBUTE TO PROTECTION AGAINST A NEMATODE PARASITE
Robert M. Anthony1, Joseph F. Urban2, Farhang Alem3, Hossein Hamed3, Nico Van Rooijen4, William C. Gause3
1USUHS, Bethesda, MD, United States, 2USDA, Beltsville, MD, United States, 3UMDNJ, Newark, NJ, United States, 4Vrije Universiteit, Amsterdam, Netherlands Antilles
(ACMCIP Abstract)

PROTEINS SECRETED BY TRICHINELLA SPIRALIS ALTER NUCLEOTIDE-INDUCED MIGRATION OF DENDRITIC CELLS
Sonja Kock, Kleoniki Gounaris
Imperial College London, London, United Kingdom
(ACMCIP Abstract)

IDENTIFICATION OF POTENTIAL MEDIATORS OF NURSE CELL TRANSFORMATION FROM TRICHINELLA SPIRALIS
David B. Giuliano, K. Gounaris, M. E. Selkirk
Imperial College London, London, United Kingdom

ABROGATION OF ALLERGIC INFLAMMATION BY ASCARIS SUUM PSEUDOCEOLOMIC FLUID (PCF)
Andrea M. Keane-Myers1, Joseph Urban2, Hillary Norris1, Virgilio Bundoc1, Agnieszka Boesen1, Brittany Wetzel1
1National Institutes of Health, Rockville MD, MD, United States, 2USDA, Beltsville, MD, United States

INFLUENCE OF HELMINTH INFECTIONS ON THE CLINICAL COURSE AND IMMUNE RESPONSE OF CUTANEOUS LEISHMANIASIS PATIENTS INFECTED WITH L. BRAZILIENSIS
Seth O’Neal1, Luiz Henrique Guimarães2, Paulo Machado2, Leda Alcantara3, Dan Morgan4, Sara Passos2, Edgar Carvalho2
1Oregon Health and Sciences University, Portland, OR, United States, 2Hospital Universitario Professor Edgard Santos, Salvador, Brazil, 3Universidade da Bahia, Salvador, Brazil, 4Weill Medical College of Cornell University, New York, NY, United States
(ACMCIP Abstract)
Detailed Program

Scientific Session 140

Malaria — Vaccines I

Jefferson East

Thursday, December 15 8 – 9:45 a.m.

CHAIR
Martha Sedegah
Naval Medical Research Center, Silver Spring, MD, United States

Heng Wang
Peking Union Medical College, Beijing, China

8 a.m.

WHEAT GERM CELL-FREE SYSTEM: A POWERFUL TOOL TO IDENTIFY NOVEL VACCINE CANDIDATES BASED ON THE PLASMODIUM FALCIPARUM GENOME DATABASE

Takafumi Tsuboi1, Satoru Takeo1, Hideyuki Iriko1, Ling Jin1, Eun-Taek Han2, Osamu Kaneko3, Jetsumon Sattabongkot4, Rachanee Udomsangpetch1, Tatsuya Sawasaki1, Motomi Torii2, Yaeta Endo1
1Cell-Free Science and Technology Research Center, Ehime University, Matsuyama, Ehime, Japan, 2Ehime University School of Medicine, Toon, Ehime, Japan, 3Armed Forces Research Institute of Medical Sciences, Bangkok, Thailand, 4Faculty of Science, Mahidol University, Bangkok, Thailand

8:15 a.m.

DEVELOPMENT OF AN ADENOVIRUS-VECTORED VACCINE AGAINST MALARIA: EFFECTS OF PROMOTER STRENGTH ON IMMUNOGENICITY AND PROTECTIVE EFFICACY

Denise L. Doolan1, Maureen E. Stefaniak1, Duncan McVey2, Keith Limbach1, Damodar Etyreddy2, Noelle B. Patterson1, Fe Baraceros1, Joseph J. Campo1, C. Richter King2, Joseph T. Bruder2
1Naval Medical Research Center, Silver Spring, MD, United States, 2GenVec Inc, Gaithersburg, MD, United States

(ACMCIP Abstract)

8:30 a.m.

IMPROVEMENT OF PLASMODIUM FALCIPARUM ERYTHROCYTE MEMBRANE PROTEIN-1 (PFEMP-1) VACCINE ANTIGENS USING DIRECTED MOLECULAR EVOLUTION

Volker Heinrichs1, Emily Mundorff1, Jack A. Lohre1, Leslie L. West1, Maria A. Kuznetsova1, Tevis A. Howard2, Moses M. Kortok2, Kevin Marsh3, Morris O. Makobongo3, Xia Liu3, Tracy A. LaClair3, Carole A. Long3, Robert G. Whalen1, Christopher P. Locher1
1Maxygen, Inc., Redwood City, CA, United States, 2Kenya Medical Research Institute, Kilifi, Kenya, 3Malaria Vaccine Development Branch, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Rockville, MD, United States

9 a.m.

A POLYEPITOPE MALARIA VACCINE RANDOMLY CONSTRUCTED BY EPITOPE SHUFFLING

Qiliang Cai, Gui-Ying Peng, Linyi Bu, Yahui Lin, Heng Wang
Peking Union Medical College, School of Basic Medicine, Beijing, China

(ACMCIP Abstract)

9:15 a.m.

PROTECTION OF AOTUS NANCYMAYI FROM P. FALCIPARUM BLOOD-STAGE INFECTIONS FOLLOWING IMMUNIZATION WITH A VACCINE FORMULATION CONTAINING MSP1-P42 AND MONTANIDE ISA51

David E. Clements1, Teri Wong1, Axel Lehrer1, James T. Senda1, Steven A. Ogata1, Danielle N. DeSonier1, David Waller1, Tom Humphreys1, George Hui2, Tyrone Williams3, Douglas Nace1, JoAnn Sullivan1, William E. Collins3, John W. Barnwell1
1Hawaii Biotech, Inc., Aiea, HI, United States, 2Dept. of Tropical Medicine, University of Hawaii, Honolulu, HI, United States, 3Div. of Parasitic Diseases, Centers for Disease Control and Prevention, Atlanta, GA, United States

9:30 a.m.

AIMING FOR SUSTAINED HIGH-LEVEL ANTIBODY RESPONSES FORMULATION OF PFS25 AND PVS25 TRANSMISSION BLOCKING VACCINES

Yimin Wu1, Aaron P. Miles1, Lynn Lambert1, Olga Muratova1, Andrew Orcutt1, David Keister1, Sheila Bello1, Jetsumon Sattabongkot2, Louis Miller1, Carole Long1, Allan Saul1
1Malaria Vaccine Development Branch, National Institute of Allergy and Infectious Diseases, Rockville, MD, United States, 2Armed Force Research Institute of Medical Sciences, Bangkok, Thailand