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MOLECULAR EPIDEMIOLOGY OF RABIES VIRUS IN TRINIDAD AND CHARACTERISTICS OF THE 2010 OUTBREAK

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KNOWLEDGE, ATTITUDES AND PRACTICES AMONG PREGNANT AND CHILD-BEARING AGE WOMEN EXPOSED TO ANIMAL BITE INJURIES IN HAITI

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RABIES IN THE AMAZON: TIME FOR A PARADIGM SHIFT

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FIRST EUROPEAN INTER-LABORATORY COMPARISON FOR TETRACYCLINE AND AGE DETERMINATION ON RED FOX TOOTH SAMPLED IN THE FRAME OF ORAL VACCINATION PROGRAMMES FOLLOW UP

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EMERGING THREAT OF RABIES POSED BY CAT BITES IN SRI LANKA

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RABIES SURVEILLANCE OF TRAPPED FOXES IN A CHANGING ARCTIC

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HUMAN RABIES IN EQUATORIAL GUINEA: EMERGENCE OF A NEW CANINE RABIES VIRUS CLADE IN WEST AFRICA

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HUMAN RABIES, EXPORTED FROM HAITI TO NEW JERSEY, USA, JULY 2011

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THE UNUSUAL SUSPECTS: 10 YEARS OF INFREQUENTLY REPORTED RABID ANIMALS IN THE UNITED STATES

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RETROSPECTIVE STUDY OF THE ORAL RABIES VACCINATION PROGRAM IN WEST VIRGINIA, 2001-2010

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MORPHOLOGY AND MOLECULAR GENETICS OF DESMODUS ROTUNDUS (GEOFFROY, 1810) (CHIROPTERA, PHYLLOSTOMIDAE): TOOLS FOR ANALYZING THE EPIDEMIOLOGY OF RABIES TRANSMITTED BY THIS SPECIES IN THE EASTERN BRAZILIAN AMAZON

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Rabies Virus – Induced Oxidative Stress and the Role of the Transcription Factor Nuclear Factor-KB (NF-KB)

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Comparative Post-Mortem Histopathology of Immune Responses in Human Rabies Encephalitis

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COMPARISON OF LYSSAVIRUS DISEASE IN THE MOUSE MODEL FOLLOWING PERIPHERAL INOCULATION

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COMPARATIVE PATHOGENESIS OF EXPERIMENTAL RABIES VIRUS INFECTION IN RED FOXES (VULPES VULPES)

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LYSSAVIRUS TRANSMISSION: EXPERIMENTAL MODELS AND NATURAL ROUTES

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AN INTEGRATED APPROACH TO UNDERSTANDING THE HOST RESPONSES INVOLVED IN THE CLEARANCE OF A LETHAL RABIES VIRUS INFECTION OF THE BRAIN

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EXPRESSION OF MURINE INTERFERON-γ BY RECOMBINANT RABIES VIRUS HIGHLY ATTENUATES PATHOGENICITY AND INCREASES IMMUNOGENICITY

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EVALUATION OF ONRAB® ORAL RABIES VACCINE (RABIES VACCINE, LIVE ADENOVIRUS VECTOR {ADRG1.3}) SAFETY IN FERAL DOGS (CANIS LUPUS FAMILIARIS)
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WHAT IS BEST MEDICINE FOR MEASURING IMMUNITY TOWARDS OPTIMAL HUMAN AND ANIMAL RABIES PREVENTION?

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EVALUATION OF BLOCKING ELISA TEST FOR DETECTION OF RABIES ANTIBODIES FROM THE VIEW AS ALTERNATIVE TO VIRUS NEUTRALIZATION TESTS.

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RT-PCR FOR DETECTION OF GENETIC VARIANTS OF RABIES VIRUSES IN DIFFERENT HOST

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EVALUATION OF AN INDIRECT RAPID IMMUNOHISTOCHEMISTRY TEST FOR THE DIFFERENTIATION OF RABIES VIRUS VARIANTS

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EVALUATION OF FLUORESCENT ANTIBODY TEST AND MOUSE INOCULATION TEST IN RABIES LABORATORY DIAGNOSIS FOR SAMPLES FROM DIFFERENT ANIMAL ORIGIN

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HUMAN RABIES TREATMENT AND PROPHYLAXIS

GLOBAL AVAILABILITY OF RABIES IMMUNE GLOBULIN AND VACCINE FOR TRAVELERS SURVEY: INITIAL FINDINGS

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SURVIVAL FROM HUMAN RABIES WITHOUT NEUTRALIZING ANTIBODY – CALIFORNIA

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AN EVALUATION ON SAFETY AND POTENCY OF EQUIRABTM (ERIG) THRU INDIRECT MEASUREMENT ON SUPPRESSION OF VACCINE INDUCED ANTIBODY PRODUCTION AMONG HEALTHY VOLUNTEERS

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GLOBAL EVALUATION OF NEUTRALIZING ACTIVITY OF CL184, A MONOClonAL ANTIBODY COMBINATION AGAINST RABIES

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Wilfred Marissen currently holds the position as Project Director in Crucell leading the CL184 antibody program. He is a molecular biologist (Msc) and molecular virologist (Ph.D) by training. He held a post-doc position for 3 years after joining Crucell in 2002. He has been working on the rabies project for the last 8 yrs.

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THE NEXT GENERATION PURIFIED VERO RABIES VACCINE IS SAFE AND AS IMMUNOGENIC AS THE REFERENCE VACCINE VERORAB™

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CHARACTERIZATION OF A PLANT-DERIVED MONOCLONAL ANTIBODY COCKTAIL FOR HUMAN RABIES PROPHYLAXIS

Leonard Both

Leonard Both is a PhD student jointly funded by St. George's University of London and the Animal Health and Veterinary Laboratories Agency. His research interests include passive antibody therapy, monoclonal antibodies and plant biotechnology. This project is supervised by Prof Julian Ma who investigates plant-based antibodies and vaccines, and Prof Anthony Fooks who investigates rabies and European Bat lyssaviruses.

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TECHNOLOGY AND DEVICES FOR RELIABLE AND SIMPLE INTRADERMAL (MANTOUX) INJECTION FOR RABIES VACCINATION

Izzy Tsals

Izrail Tsals, PhD, conceived the adapter concept, researched prior art, and developed and filed ID adapter patent applications. He has over 100 patents and over 25 publications. Dr. Tsals founded SID Technologies LLC in 2003 to provide services in the development of simple injection devices. Over the last few years Dr. Tsals has concentrated on developing intradermal
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OVER A DECADE OF CLINICAL EXPERIENCE WITH FAVIRAB™, PURIFIED EQUINE RABIES IMMUNOGLOBULIN
Anvar Rasuli

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EFFICACY OF SHORT-INTERFERING RNAs IN EXPERIMENTAL RABIES TREATMENT.
Camila Michele Appolinario Harary

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ANIMAL RABIES

DEVELOPMENT OF THERMOSTABLE RABIES VIRUS VACCINE FORMULATIONS
Victor Bronshtein

Victor Bronshtein, Ph.D., is the founder, President & CSO of Universal Stabilization Technologies, Inc., Inc., a privately-held biomedical service and product development San Diego-based company. He received his Ph.D. at Moscow University and postdoctoral training at Cornell University. Dr. Bronshtein is a biophysicist who has devoted his life to studying mechanisms of damage and protection of biological specimens during cryopreservation and preservation in the dry state at ambient temperatures. Using fundamentally novel ideas, Dr. Bronshtein has formulated enhanced methods for cryopreservation and thermostabilization of biologics at different levels of biological complexity for DOD and industrial applications. Further, Dr. Bronshtein pioneered Preservation by Foam Formation (also known as VitriLife or vacuum foam drying technology) and Preservation by Vaporization (PBV) technologies for thermostabilization of vaccines and other fragile biologics. Results of Dr. Bronshtein’s studies are broadly published and he is an inventor of more than 100 patents and patent applications world-wide.

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RABIES VIRUS DISTRIBUTION IN TISSUES OF NATURALLY INFECTED CATTLE
Susan Dora Allendorf

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LINEAR FLOW ASSAYS FOR RABIES DIAGNOSIS LACK SENSITIVITY AND SPECIFICITY

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Lillian Orciari worked as microbiologist in the Virology/Immunology Unit of the VT State Public Health Laboratory prior to coming to CDC. As a guest researcher at CDC (1991-1996) her graduate research focused on genetic analysis of skunk rabies virus variants in the USA. As a CDC employee (1996-present) her research has focused on application of molecular techniques for rabies diagnosis from antemortem and postmortem samples including formalin-fixed tissues, research on oral vaccination, and primary and confirmatory methods for rabies diagnosis. Much time of her time is spent training and assisting local laboratories in performance and troubleshooting of diagnostic methods.

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CANINE RABIES VACCINE AVAILABILITY AND POST-EXPOSURE PROHYLAXIS: ANALYSIS FOR RABIES CONTROL IN LATIN AMERICA AND THE CARIBBEAN REGION

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RABIES IN THE CARIBBEAN

SPECIAL PRESENTATION ON BATS, CLIMATE CHANGE AND MIGRATORY PATTERNS
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Dr. Turmelle is a Postdoctoral Fellow with the Rabies Program at CDC. Her research is focused on population biology of bats, with interests in disease ecology, phylogeography, emerging pathogens and the human interface with wildlife.

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DOG-MONGOOSE RABIES VIRUS VARIANTS POSE A CHALLENGE FOR THE ELIMINATION OF ENZOOTIC DOG RABIES IN THE CARIBBEAN
Andres Velasco

Dr Velasco-Villa was born in Mexico and has been working on public health since 1996. He has a triple major in Chemistry, Bacteriology and Parasitology a Masters degree in Microbiology and a PhD in Biomedical Sciences. He is author and co-author of more than 20 scientific manuscript, reviewer of 6 indexed scientific journals in English and 1 in Spanish. He has an extensive collaboration network in The Americas, Asia and Africa. He works on the molecular epidemiology of rabies at the CDC rabies section since 2003. His major topics of interest are rabies virus evolution, recent and historical rabies reservoir host shifts, spatial temporal and reservoir disease spreading dynamics and its impact in public health.

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SPECIAL PRESENTATION ON THE MONGOOSE PHENOMENA IN THE CARIBBEAN BASIN

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ASSESSMENT OF MONGOOSE DENSITY ON PUERTO RICO: PRELIMINARY REPORT

Are R Berentsen

Are Berentsen has been a wildlife biologist at the USDA/APHIS/WS/National Wildlife Research Center since 2006. He completed a BS in zoology from the University of California at Davis and an MS in wildlife biology from Utah State University. His previous work includes black rhinoceros re-introduction in Zimbabwe, antelope studies in Zambia, ground squirrel research in California and coyote research in California and Utah. As a wildlife biologist for NWRC he has managed several studies on bovine tuberculosis in Michigan, conducted rabies research in Ohio, Puerto Rico and Zambia and environmental monitoring on Palmyra Atoll. Ongoing studies include wildlife disease research in wild African carnivores and mongoose research in Puerto Rico.

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ELIMINATION OF HUMAN RABIES TRANSMITTED BY DOGS IN LATIN AMERICA AND CARIBBEAN: ACHIEVEMENTS

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WILDLIFE RABIES

A RETROSPECTIVE QUANTITATIVE ASSESSMENT OF ORV OF FOXES IN EUROPE BETWEEN 1978 AND 2010

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EPIDEMIOLOGIC STUDY OF RABIES VIRUS IN WILD MAMMALS FROM A RAINFOREST AREA, NORTH COAST OF SÃO PAULO STATE, BRAZIL

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BAT RABIES

RABIES VARIANTS WITHIN BATS IN THE CENTRAL UNITED STATES, 2007-2011
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BOKELOH BAT LYSSAVIRUS - PATHOGENICITY AND VACCINE CROSS-NEUTRALIZATION
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EXPERIMENTAL RABIES VIRUS INOCULATION IN WILD AND CAPTIVE BORN BATS

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RABIES SPATIAL MODELING & ECONOMIC MODELS

FACTORS INFLUENCING THE SUCCESS OF VACCINATION FOR CONTROLLING CANINE RABIES
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Katie Hampson studied the epidemiology of rabies in northern Tanzania for her PhD from Princeton University. Since then she has been supported as a research fellow by the Wellcome Trust working on the ecology of infectious diseases with a focus on canine rabies and is now based at the University of Glasgow in the UK. Her main areas of research include transmission dynamics, impacts of population structure, demography and geography on disease spread and persistence, and disease surveillance and control.

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POTENTIAL FOR RABIES CONTROL BY DOG VACCINATION IN TANZANIA
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INFLUENCE OF HABITAT STRUCTURE ON VACCINATION EFFECTIVENESS OF RACCOON RABIES

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BENEFIT-COST ANALYSIS OF RACCOON ORAL RABIES VACCINATION IN THE UNITED STATES

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RECOMBINANT RABIES VIRUS ERAG3P/2GNRH AS AN IMMUNOCONTRACEPTIVE IN EITHER ATTENUATED OR INACTIVATED FORMULATIONS

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A MULTIVARIATE ASSESSMENT OF ORAL VACCINATION CAMPAIGNS WITH ONRAB® BAITS FOR THE CONTROL OF RABIES IN RACCOONS AND STRIPED SKUNKS IN SOUTHERN QUÉBEC, CANADA

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Julien Mainguy is a wildlife biologist who did a M.Sc. project at Laval University on greater snow geese in Nunavut and a Ph.D. project on the reproduction and genetic variability of mountain goats in Alberta. He is now working for the Ministère des Ressources naturelles et de la Faune du Québec on the ecology of the main reservoir species of the raccoon variant of rabies to improve control activities against this disease. He also works on white-nose syndrome in bats, as part of the Service de la biodiversité et des maladies de la faune.

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IDENTIFICATION OF ADVERSE EFFECTS IN CAPTIVE FEMALE DOGS IN MÉXICO FROM SIMULTANEOUSLY INTRAMUSCULAR ADMINISTERED INJECTIONS OF GONACON AND RABIES VACCINE

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Fenando Vargas-Pino graduated in Veterinary Medicine from the National Autonomous University of Mexico with a Masters in Public Health. Since 1970, he has worked in the National Program of Rabies and Zoonosis Control of the Mexican Ministry of Health. He developed the strategies for rabies management that are conducted in Mexico, including the implementation of the national weeks of dog rabies vaccination, the use of culture cell vaccines and IRG for human PEP, the models for health service states evaluation, and the implementation of strategies for the dog overpopulation control. He was member of the National Directors of Rabies Programs group that signed the agreement for dog rabies elimination in the cities of the Americas, coordinated by PAHO/WHO in 1983. He is the only active Director who continues working in that area, expanding the program to the whole country and establishing the basis for the rabies free area local declarations.

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METODOLOGÍAS PARTICIPATIVAS EN LA PREVENCIÓN DE MORDEDURAS POR MURCIÉLAGOS EN ESCOLARES AGURUUNAS

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AREB: 7 YEARS OF COLLABORATIVE WORK TO IMPROVE RABIES AWARENESS, PREVENTION AND CONTROL IN ASIA

M.K. Sudarshan

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IMPLEMENTING GLOBAL RABIES PREVENTION THROUGH INNOVATIVE PROGRAMS
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Louise Taylor has a background in biological and infectious disease research in Edinburgh, UK. She has been involved with the Global Alliance for Rabies Control’s work since 2006, editing the GARC newsletter, updating the website and answering questions from Alliance members and donors. She has also participated in recent Partners for Rabies Control meetings.

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THE VERMONT RABIES HOTLINE: A COOPERATIVE PROGRAM TO ADDRESS RABIES CONCERNS SPANNING TWO DECADES
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AFROLEB: 3 YEARS OF COLLABORATIVE WORK TO IMPROVE RABIES AWARENESS, PREVENTION AND CONTROL IN FRANCOPHONE AFRICA
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