

CURRICULUM VITAE

NAME: NIKOS VASILAKIS

Date: October 14, 2012

PRESENT POSITION AND ADDRESS:

Assistant Professor (tenure-track)
Department of Pathology
Member, Center for Biodefense and Emerging Infectious Diseases
Member, Center for Tropical Diseases
Member, Institute for Human Infections and Immunity
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BIOGRAPHICAL:

Place of Birth: Nürnberg, Germany
Citizenship: USA and Hellenic Republic
Address: 3224 Ave Q, Galveston, TX 77550

EDUCATION:

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| 1988 | B.A., Biology Hofstra University Hempstead, NY |
| 1992 | M.A., Biology Hofstra University Hempstead, NY Thesis title: Prions and Induced Neuropathies Advisor: Gary Grimes |
| 2007 | Ph.D., Experimental Pathology (Arbovirology) University of Texas Medical Branch Galveston, TX Thesis title: Sylvatic Dengue – Evolution, Emergence and Impact on Public Health Advisor: Scott C. Weaver |

PROFESSIONAL AND TEACHING EXPERIENCE:

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| 2011 – present | Associate Member Graduate School of Biomedical Sciences Experimental Pathology Graduate Program University of Texas Medical Branch Galveston, TX |
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- 2011 – present Member
Center for Tropical Diseases (CTD)
University of Texas Medical Branch
Galveston, TX
- 2009 – present Assistant Professor
Department of Pathology
2.140 Keiller Bldg
University of Texas Medical Branch
Galveston, TX 77555-0610
- Ecology and evolution of sylvatic dengue viruses in peninsular Malaysia
 - Role of quasispecies in virus transmission dynamics and emergence
 - Proteomics of dengue virus infection and progression to severe disease
 - Discovery and characterization of novel arboviruses
 - Vaccine development
 - ABSL3 and BSL3 access
 - DoJ Clearance
- 2009 – present Member
Center for Biodefense and Emerging Infectious Diseases (CBEID)
University of Texas Medical Branch
Galveston, TX
- 2009 – present Member
Institute for Human Infections and Immunity (IHII)
University of Texas Medical Branch
Galveston, TX
- 2008 – 2009 Post Doctoral Fellow
Center for Vaccine Research
University of Pittsburgh
Pittsburgh, PA
- Design and evaluate candidate dengue vaccines based on SVP platform
 - ABSL3 and BSL3 access
 - DoJ Clearance for Class B and C select agents
- 2002 – 2007 Doctoral Candidate
Department of Experimental Pathology
University of Texas Medical Branch
Galveston, TX
- Member of Dr. S.C. Weaver laboratory
 - Design experiments to test current questions in arbovirology and molecular epidemiology
 - Genetic and molecular determinants of endemic dengue emergence from sylvatic progenitors
 - ABSL3 and BSL3 access
 - DoJ Clearance for Class B select agents (VEEV)
 - My research was funded by a CDC Fellowship Training Grant Program in Vector-Borne Infectious Diseases, T01/CCT622892 (PI: Dr. Stephen Higgs); 09/2003 – 08/2007

- 2000 – 2002 Research Scientist II
 Department of Viral Vaccine Research
 Wyeth Research (currently Pfizer)
 Pearl River, NY
- Smallpox vaccine initiative program team member
 - Development of viral-based gene delivery systems for use as pediatric vaccines against genito-urinary (HSV-2) and respiratory (hPIV3) viruses
 - Technology transfer, process development, conception and evaluation of research strategies and compliance to Quality Assurance for rational vaccine development
 - ABSL3 and BSL3 access
 - GLP and GMP compliance
- 1997 – 1999 Research Scientist I
 Department of Viral Vaccine Research
 Wyeth Research (currently Pfizer)
 Pearl River, NY
- Viral vectors development: alphaviruses, poxviruses and non-segmented negative strand RNA viruses
 - Regulation of viral DNA/RNA gene expression through *cis*- and *trans*- mechanisms
- 1992 – 1996 Associate Research Scientist
 Enzo Diagnostics
 Farmingdale, NY
- Role of antisense nucleic acids (antisense oligonucleotides, long-chain antisense RNAs and/or ribozymes) in regulation of gene expression
 - Development of effective and efficient delivery systems for antisense RNA *in vitro* and *in vivo*
 - Development of *in-situ* hybridization methods for the detection of RNA expression in cells and tissues utilizing hapten-labelled mRNA and oligonucleotide probes
- 1989 – 1990 Teaching Assistant
 Department of Biology
 Hofstra University
 Hempstead, NY
- Employee in genetics laboratory (Dr. Gary Grimes)
 - Prepared and supervised laboratory sessions for students
- 1989 Teaching Assistant
 Department of Biology
 Hofstra University
 Hempstead, NY
- Employee in electron microscopy laboratory (Dr. Gary Grimes)
 - Prepared and supervised laboratory sessions for students

RESEARCH ACTIVITIES:

- Basic research on evolution and pathogenesis of arthropod-borne viruses, virus – mosquito, virus – host interactions and vaccine development

- Role of viral quasispecies in transmission dynamics and emergence
- Use of proteomics to understand the host response and progression to severe disease during dengue virus infection
- Discovery and characterization of novel viruses using Next Generation Sequencing (NSG) platforms

GRANT SUPPORT:

UTMB, Department of Pathology

Start-up funds: \$70,000/yr

Past Support:

HHSN272200800048C – NIAID/CPCIDB (Brasier, PI)

Title: ‘Prognostic Plasma Markers of Progression to Severe Disease in Brazilian Dengue Virus Infection’

Goal: To investigate the nature and breadth of host predictive biologic markers (biomarkers) responsible for progression to severe dengue disease, using human sera obtained retrospectively from a well – characterized dengue patient cohort from Recife, Brazil

Role: collaborating P.I.

Direct costs (2 years): none

10/01/2010 – 09/30/2012

DARPA-DE-AC52-07NA27344 (Naraghi-Arani, P.I.)

Title: ‘Viral Evolution Prediction (ViEPr) System’

Goal: To observe, evaluate and ultimately predict aspects of dengue viral evolution by utilizing two unique and complementary computational modeling tools with a novel microfluidics platform to grow viruses under various conditions

Role: Sub-contract P.I. (40% effort)

Total costs (12 months): \$498,740.00 (including indirect costs @ 53%)

09/01/2011 – 08/31/2012

Funded:

IHII Pilot Grant

Title: ‘The emergence of a new dengue serotype in Southeast Asia’

Goal: To investigate the ecology and potential vectors of a newly emerged sylvatic dengue serotype

Role: P.I. (10% effort)

Total costs: \$50,000.00/yr

09/01/2012 – 08/31/2014

PaxVax Contract

Title: Novel Inactivated Dengue Virus Vaccine

Goal: To create an inactivated dengue vaccine, consisting of a set of heterologous flaviviruses each expressing dengue types 1,2,3 or 4 prM and E proteins and grown in a suitable cell substrate

Role: P.I. (40% effort)

Direct costs (16 months): \$278,141.08 (+ indirect costs @ 30%: \$79,842.00)

04/01/2011 – 1/31/2013

SALUD-2010-01-138511 (Ramos-Castaneda, P.I.)

Title: ‘Infección peridomiciliara come determinante de la transmisión del dengue’

Goal: To elucidate the determinants of peridomestic transmission of dengue virus in the state of Morelos,

Mexico and its impact in human population.

Role: Consultant

01/01/2011 – 12/31/2013

Pilot Research Program of the Tulane National Primate Research Center (Hanley, P.I.)

Title: 'Replication of sylvatic dengue virus in a natural primate host'

Goal: To evaluate the infection dynamics of sylvatic dengue virus replication in the natural primate host.

Role: Consultant

01/01/2011 – 12/31/2012

Pending:

Searle Scholars Program

Title: 'Role of Host Genetics in the Pathogenesis of Dengue'

Role: P.I. (20% effort)

Direct costs: \$300,000.00

Submitted: November 2012

NIH/NIAID

Title: 'Sylvatic dengue virus infection dynamics and transmission in a primate host?'

Role: Co-Investigator (10% effort)

Direct costs: \$75,279 (+ indirect costs @53%: \$39,889)

Submitted: October 2012

NSF/EEID

Title: 'Ecology of a multi-serotype, arthropod-borne virus in intact and fragmented forest in Malaysia'

Role: co-PI (20% effort)

Direct costs: \$1,979,247 (+ indirect costs @53%: \$520,574)

Submitted: December 2012

COMMITTEE RESPONSIBILITIES:

UTMB

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

2003 – 2004 Member, Experimental Pathology Admissions and Recruitment Committee

2003 – 2004 Graduate School of Biomedical Sciences Student Recruitment Committee

DEPARTMENT OF PATHOLOGY

2009 – Department of Pathology Capital Equipment Taskforce Committee

2009 – Department of Pathology High Throughput Sequencing Taskforce Committee

2011 – Department of Pathology Student Advisory and Evaluation Committee (SAEC)

TEACHING/MENTORING RESPONSIBILITIES:

HOFSTRA UNIVERSITY

1989 – 1990 Teaching assistant of genetics and electron microscopy

BOSTON UNIVERSITY SCHOOL of PUBLIC HEALTH

2011 - Guest lecturer, Emerging Infectious Diseases course; 1 – 2 hour class

WYETH RESEARCH (currently Pfizer)

2001 – 2002 Preceptor to Shannan Rossi (intern)

**UTMB
SCHOOL OF MEDICINE**

- 2004 Introduction to Pathology, first year medical curriculum, approximately 16 hours per term classroom teaching, one term annually
- 2010 Alternate Facilitator for Dermatology/Hematology/Musculoskeletal course, part of Problem Based Learning (PBL), second year medical curriculum, 48 hours per term classroom teaching, one term annually
- 2010 – Facilitator for Great Syndromes course, part of PBL, second year medical curriculum, 24 hours per term classroom teaching, one term annually
- 2011 – Facilitator for Pathobiology and Host Defense course, part of PBL, first year medical curriculum, 48 hours per term classroom teaching, one term annually

DEPARTMENT OF PATHOLOGY

- 2012 – Co-director, Introduction to Competitive Grant Writing (PATX6279) course, second year Experimental Pathology curriculum, 15 hours per term classroom teaching, one term annually

GSBS

- 2010 – 2011 Guest lecturer, Foundations of Virology, one 1-hour lecture per term

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

- 2004 – 2006 Preceptor to Nicole Arrigo, Joannie Kenney, Avery Tatters (rotation students and subsequent lab members [N.A. and J.K.]
- 2005 – 2006 Preceptor to Eric B. Fokam (visiting scientist from Cameroon)
- 2005 Preceptor to Eleca Dunham (visiting graduate student from PSU)

GRADUATE STUDENT MENTORING

- 2009 – Mentor to Sandra Mayer, DVM (Chair)

GRADUATE STUDENT QUALIFYING EXAMINATION COMMITTEES:

- 2012 Stephan Willias (Chair)

GRADUATE STUDENT DISSERTATION COMMITTEES:

- 2011 – Ruth Martinez (Instituto Nacional de Salud Pública, Guernavaca, Mexico)

GRADUATE STUDENT LABORATORY ROTATIONS:

- 2011 – Josef Lopez

INTERNATIONAL TRAINING PROVIDED AT UTMB:

- 2012 – Yvonne Amaya-Larios. Instituto Nacional de Salud Pública. Centro de Investigaciones Sobre Enfermedades Infecciosas. Guernavaca, Mexico. Training in virology and Serology (April – June)
- Ruth Martinez Vega. Instituto Nacional de Salud Pública. Centro de Investigaciones Sobre Enfermedades Infecciosas. Guernavaca, Mexico Training in virology and molecular genetics (June – November)

MEMBERSHIP IN SCIENTIFIC SOCIETIES

- 1988 – 2007 American Association for the Advancement of Science
- 1989 – 1992 Beta Beta Beta Biological Honor Society, Alpha Lambda Chapter
- 1999 – American Society for Virology, Full member
- 2003 – American Society of Tropical Medicine and Hygiene
- 2003 – American Committee on Arthropod-borne Viruses (ACAV)
- 2003 – American Committee on Medical Entomology (ACME)

HONORS/AWARDS:

- 2001 Wyeth – Ayerst Research ‘Above and Beyond’ Award
- 2004 Poster Award Recipient
 “Co – expression of HN and F glycoproteins of human parainfluenza virus type 3 (PIV3) in alphavirus replicon is a potent vaccine for PIV3 infection with unique features – implication for new vaccine design”
 Presented at ‘The Changing Landscape of Vaccine Development: Translating Vaccines for Emerging Diseases and Biodefense to the Marketplace’ Symposium, Galveston
- 2006 Who’s Who Among Students in American Universities and Colleges
- 2007 Robert L. Harrison Award for Molecular/Cell Biology Research
- 2007 American Society of Virology Travel Award to attend 26th ASV – Corvallis, OR
- 2007 Dennis Bowman Memorial Scholarship Award
- 2008 American Society of Virology Travel Award to attend XIVth ICV – Istanbul
- 2008 The *Fine Foundation* Scholar
- 2008 American Society of Tropical Medicine and Hygiene, Young Investigator Award
- 2011 American Society of Virology Travel Award to attend XVth ICV – Sapporo

PROFESSIONAL CONTRIBUTIONS:

EDITORIAL REPOSIBILITIES:

- 2012 – Academic Editor, *PLoS ONE*
- Ad hoc* reviewer for:
- 2007 – American Journal of Tropical Medicine and Hygiene
 Archives of Virology
 Infection, Genetics and Evolution
 Vector-Borne and Zoonotic Diseases
 Virus Research
 Biotechnology Advances
- 2008 – Emerging Infectious Diseases
 Journal of General Virology
PLoS Neglected Tropical Diseases
- 2009 – Future Virology
 Future Medicinal Chemistry

- Journal of Virological Methods
PLoS ONE
PLoS Pathogens
- 2010 – Proceedings of the National Academy of Science (*PNAS*)
 Vaccine
 Virology Journal
 The Journal of Infectious Diseases
 Antiviral Research
 Clinical and Vaccine Immunology
- 2011 – Gene Therapy
 BMC Public Health
 Journal of Clinical Immunology
 Science Translational Medicine
 Journal of Virology
 Molecular Biology and Evolution
- 2012 – Acta Tropica
 Journal of Medical Primatology
 Dengue Bulletin
 Journal of Clinical Virology
- 2008 Co – chair of ‘Flavivirus – Dengue I’ session at the 57th Annual Meeting of the American Society for Tropical Medicine and Hygiene, New Orleans, LA
- 2008 Invited Basic Science trainee to the ASTMH Board of Directors meeting – 57th Annual Meeting of the American Society for Tropical Medicine and Hygiene, New Orleans, LA
- 2009 Organizer / co – chair, ‘The Fever from the Forest: Fifty Years of Research on Sylvatic Dengue Virus’ symposium held at the 58th Annual Meeting of the American Society for Tropical Medicine and Hygiene, Washington, DC
- 2012 Co-organizer, ‘FAMERP-UTMB: Emerging infections in the Americas - common interests and collaboration between Brazil and USA’ symposium held at the Sociedade de Medicina e Cirurgia São José do Rio Preto, São José do Rio Preto, Rio Preto, Brazil. March 7-8.

GRANT REVIEWS AND STUDY SESSIONS:

- 2011 *Ad hoc* grant reviewer for the Wellcome Trust.
- 2011 NIH, NIAID IRG/SRG: ZAI1 ESB-M ‘Improved Diagnostics Capabilities for Select Biodefense and Emerging Pathogens’, Review Committee member
- 2012 *Ad hoc* grant reviewer for The National Health and Medical Research Council (NHMRC) of Australia and the Agency for Science Technology and Research of Singapore (A*STAR).

ADDITIONAL INFORMATION:

- 2006 Biology of Disease Vectors Course
 Liverpool School of Tropical Medicine
 University of Liverpool, UK

Topics included the biology of mosquitoes, ticks, other disease-transmitting arthropods, strategies for vector and disease control

Sponsored by the MacArthur Foundation, UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases

BIBLIOGRAPHY:

ARTICLES IN PEER-REVIEWED JOURNALS:

(*) = corresponding author

1. **Vasilakis, N.**; Forrester, N.L.; Palacios, G.; Nasar, F.; Rossi, S.L.; Wood, T.G.; Popov, P.; Haddow, A.D.; Gorchakov, R.; Watts, D.M.; Guzman, H.; Travassos da Rosa, A.P.A.; Weaver, S.C.; Lipkin, I.W.; Tesh, R.B. Negev – a new insect-specific taxon with a dispersed geographic distribution. *J. Virol.* *Accepted for publication*
2. Volkova, E.; Tesh, R.B.; Monath, T.P.; **Vasilakis, N***. Full Genomic Sequence of the Prototype Strain (M64) of Rio Bravo Virus. *J. Virol.* 80:4715; 2012
3. Rossi, S.L.; Nasar, F.; Cardoso, J.; Mayer, S.; Hanley, K.A.; Tesh, R.B.; Weaver, S.C.; **Vasilakis, N.*** Genetic and Phenotypic Characterization of Sylvatic Dengue Type 4 Viruses. *Virology*, 423:58 – 67; 2012 [NIHMSID# 341818]
4. **Vasilakis, N.***; Cardoso, J.; Diallo, M.; Sall, A.A.; Holmes, E.C.; Hanley, K.A.; Weaver, S.C. Sylvatic Dengue Viruses Share the Pathogenic Potential of Urban Dengue Viruses. *J. Virol.* 84:3726-3727; 2010 [PMID: 20212326] [PMCID: PMC2838117]
5. **Vasilakis, N.**; Deardorff, E.R.; Kenney, J.; Rossi, S.L.; Hanley, K.A.; Weaver, S.C. Mosquitoes Put the Brake on Evolution: Experimental Evolution Reveals Slower Mutation Accumulation in Mosquito Cells than Vertebrate Cells. *PLoS Pathogens*, 5(6):e1000467; 2009 [PMID: 19503824] [PMCID: PMC2685980]
6. Tang, X.; Li, G.; **Vasilakis, N.**; Zhang, Y.; Shi, Z.; Zhong, Y.; Wang, L-F.; Zhang, S. Differential Stepwise Evolution of SARS Coronavirus Functional Proteins in Different Host Species. *BMC Evol. Biol.* 9:52; 2009 [PMID: 19261195][PMCID: PMC2676248]
7. **Vasilakis, N.**; Durbin, A.; Travassos da Rosa, A.A.P.; Munoz-Jordan, J.; Tesh, R.B.; Weaver, S.C. Antigenic Relationships between Sylvatic and Endemic Dengue Viruses. *Am. J. Trop. Med. Hyg.* 79:128-132; 2008 [PMID: 18606776]
8. **Vasilakis, N.**; Fokam, E.B.; Hanson, C.T.; Weinberg, E.; Sall, A.A.; Whitehead, S.S.; Hanley, K.A.; Weaver, S.C. Genetic and Phenotypic Characterization of Sylvatic Dengue Virus Type 2 Strains. *Virology* 377:296-307; 2008 [PMID: 18570968]
9. Coffey, L.L.; **Vasilakis, N.**; Brault, A.C.; Powers, A.; Tripet, F.; Weaver, S.C. Arbovirus Evolution *in vivo* is Constrained by Host Alternation. *Proc. Natl. Acad. Sci. USA* 105:6970 – 6975; 2008 [PMID: 18458341][PMCID: PMC2383930]
10. **Vasilakis, N.**; Tesh, R.B.; Weaver, S.C. Sylvatic Dengue Virus Type 2 Activity in Humans, Nigeria, 1966. *Emerg. Infect. Dis.* 14:502 – 504; 2008 [PMID: 18325274][PMCID: PMC2570833]
11. **Vasilakis, N.**; Holmes, E.C.; Fokam, E.B.; Faye, O.; Diallo, M.; Sall, A.A.; Weaver, S.C. Evolutionary Processes among Sylvatic Dengue-2 Viruses. *J. Virol.* 81:9591 – 9595; 2007 [PMID: 17553878][PMCID: 1951459]
12. **Vasilakis, N.**; Shell, E.J.; Fokam, E.F.; Mason, P.W.; Hanley, K.A.; Estes, D.M.; Weaver, S.C. Potential of Ancestral Dengue-2 Viruses to Re-emerge. *Virology* 358:402 – 412; 2007 [PMID: 17014880]
13. **Vasilakis, N.**; Falvey, D.; Gangolli, S.; Coleman, J.; Kowalski, J.; Zamb, T.; Udem, S.A.; Kovacs, G.R. Transfection – independent Production of Alphavirus Replicon Particles Based on Poxvirus Expression Vectors. *Nature Biotechnology* 21:932 – 935; 2003 [PMID: 12845329]

14. Kovacs, G.R.; Parks, C.L.; **Vasilakis, N.**; Udem, S.A. Enhancement of Genetic Rescues of a Mononegavirus Using a Novel Modified Vaccinia Virus Ankara-T7 Polymerase Vector and DNA Replication Inhibitors. *J. Virol. Methods* 111:29 – 36; 2003 [PMID: 12821194]
15. Gangolli, S.G.; **Vasilakis, N.**; Kovacs, G.R.; Zamb, T.J.; Kowalski, J. A Method of Alphavirus Replicon Particle Titration Based on Expression of Functional Replicase/Transcriptase. *J. Virol. Methods* 109:133 – 138; 2003 [PMID: 12711055]
16. Parks, C. L.; Wang, H.-P.; Kovacs, G. R.; **Vasilakis, N.**; Kowalski, J.; Nowak, R. M.; Lerch, R.A.; Walpita, P.; Sidhu, M.S.; Udem, S.A. Expression of a Foreign Gene by Recombinant Canine Distemper Virus Recovered from Cloned DNAs. *Virus Research* 83:131 – 147; 2002 [PMID: 11864746]
17. Kovacs, G.R.; **Vasilakis, N.**; Moss, B. Regulation of Viral Intermediate Gene Expression by the Vaccinia Virus B1 Protein Kinase. *J. Virol.* 75: 4048 – 4055; 2001 [PMID: 11287554] [PMCID: 114150]

REVIEWS AND CONTRIBUTIONS TO BOOKS AND PROCEEDINGS:

(*) = corresponding author; (#) = equal contribution

1. **Vasilakis, N.*** (2008). “The Biology of Blood-Sucking in Insects, 2nd Edition (By Michael Lehane)”. *Vector Borne Zoonotic Dis.* 8:299 – 300
2. **Vasilakis, N.*** and Weaver, S.C. (2008). The History and Evolution of Human Dengue Emergence. In: Maramorosch, K., Murphy, F.A. and Shatkin, A.J., Eds. *Advances in Virus Research*, vol. 72, pp. 1-76; Academic Press, Burlington, USA. ISBN: 978-0-12-374322-0 [PMID: 19081488]
3. Weaver, S.C. and **Vasilakis, N.** (2009) Molecular Evolution of Dengue Viruses: Contributions of Phylogenetics to Understanding the History and Epidemiology of the Preeminent Arboviral Disease. *Infect. Genet. Evol.* 9:523-540; [PMID: 19460319]
4. **Vasilakis, N.***; Hanley, K.A.; Weaver, S.C. (2010). Dengue Virus Emergence from its Sylvatic Cycle. In: "Frontiers in Dengue Virus Research" (Hanley, K.A. and Weaver, S.C., Eds). Caister Academic Press, Norwich, UK. ISBN: 978-1-904455-50-9
5. **Vasilakis, N.***; Cardoso, M.J.; Hanley, K.A.; Holmes, E.C.; Weaver, S.C. (2011). The Fever from the Forest: Prospects for Continued Emergence of Sylvatic Dengue Virus and Impact on Public Health. *Nature Rev. Microbiol.* 9:532-541; [PMID:21666708]
6. Chen, R.; **Vasilakis, N. *** Dengue – Quo Tu et Quo Vadis (2011). *Viruses* 3:1562-1608; [PMCID:187692]
7. Coffey, L.L.#; Forrester, N.L.#; Tsetsarkin, K,#; **Vasilakis, N.#**; Weaver, S.C. (2012). Factors shaping the adaptive landscape for arboviruses: implications for the emergence of disease. *Future Microbiol. Accepted for publication*
8. Hanley, K.A.; Monath, T.P.; Weaver, S.C.; **Vasilakis, N.***. Sylvatic dengue in the Americas? Comparisons to ecology and epidemiology of Yellow Fever virus. *Infect. Genet. Evol. Accepted for publication*

SELECTED ABSTRACTS AND PRESENTATIONS:

1. Nasserli, M.; Patrick, S.; Welsh, P.; **Vasilakis, N.**; and Kreider, J. Tumors Induced by Cottontail Rabbit Papillomavirus Strain b (CRVVb) Regress Spontaneously at a Very High Rate. Poster Presentation at the 17th International Papillomavirus Conference. Charleston, S.C.; January 1999
2. Galarza, J.M.; Latham, T.; **Vasilakis, N.**; Kovacs, G.R.; Roopchand, V.; York, L.; Mishkin, E.; Zamb, T.J.; Palladino, G. Immune Responses to Influenza Recombinant Nucleoprotein Subunit and NP DNA Vaccines. Poster Presentation at the XIth International Congress of Virology.

Sydney, Australia; August 1999

3. Kovacs, G.R.; Falvey, D.; **Vasilakis, N.** Vaccinia Virus Protein Kinase-1 Effects on Intermediate and Late Gene Expression. Poster presentation at the XIth International Congress of Virology. Sydney, Australia; August 1999
4. Long, D.; Kowalski, J.; Natuk, R.; Strasser, J.; Israel, Z.; Pride, M.; Schadeck, E.; Dispoto, S.; She, J.; Piacente, P.; Megati, S.; DaCosta, X.; Abramovitz, A.; Kovacs, G.R.; **Vasilakis, N.**; Bernstein, D.; Mishkin, E.; Eldridge, J.; Udem, S.A.; Zamb, T.J. Immunization of Mice, Guinea Pigs and Nonhuman Primates with Alphavirus Replicons Expressing the Herpes Simplex Virus Type 2 Glycoprotein D. Oral presentation at The Third Annual Conference on Vaccine Research. Washington, D.C., April 30th - May 2nd, 2000
5. Parks, C.L.; Wang, H.-P.; Walpita, P.; Kovacs, G.R.; **Vasilakis, N.**; Kowalski, J.; Novak, R.M.; Lerch, R.A.; Udem, S.A.; Sidhu, M.S. Rescue of Canine Distemper Virus from a cloned cDNA. Oral presentation at the Eleventh International Conference on Negative Strand Viruses. Quebec City, Canada; June 2000
6. Da Costa, X.J.; Natuk, R.; Pride, M.; She, J.; Dispoto, S.; Mishkin, E.; Long, D.; Abramowitz, A.; **Vasilakis, N.**; Kovacs, G.R.; Gangolli, S.; Kowalski, J.; Zamb, T.; Udem, S.A. Alphavirus Based Vectors as an HSV-2 Vaccine Approach. Poster presentation at the 19th ASV Conference, Fort Collins, CO; July 2000
7. Natuk, R.; Pride, M.; Israel, Z.; Kowalski, J.; Long, D.; Abramovitz, A.; Schadek, E.; She, J.; Dispoto, S.; Gangolli, S.; Souza, V.; Piacente, P.; Megati, S.; Kovacs, G.R.; **Vasilakis, N.**; Eldridge, J.; Udem, S.A.; Zamb, T.J.; Mishkin, E. Immunogenicity of Alphavirus Replicon Particles Expressing HSV2 gD in Mice and non-human Primates. Oral presentation at the 25th International Herpesvirus Workshop, Portland, OR; August 2000
8. **Vasilakis, N.**; Falvey, D.; Kowalski, J.; Zamb, T.J.; Udem, S.A.; Kovacs, G.R. Recombinant MVA Helper Viruses for the Production of Alphavirus Replicon Particles. Oral presentation at XIIIth International Poxvirus and Iridovirus Symposium. Montpellier, France; September 2000
9. **Vasilakis, N.**; Falvey, D.; Kowalski, J.; Udem, S.A.; Zamb, T.J.; Kovacs, G.R. Recombinant MVA Helper Viruses for the Production of Alphavirus Replicon Particles. Poster presentation at the 6th International Symposium on Positive Strand RNA Viruses Paris, France; May – June 2001
10. **Vasilakis, N.**; Parks, C.; Kovacs, G.R.; Udem, S.A. Enhancement of Genetic Rescues of a Mononegavirus Using a Novel Modified Vaccinia Virus Ankara-T7 RNA Polymerase Vector and DNA Replication Inhibitors. Poster presentation at the 20th ASV Conference, Madison, WI; July 2001
11. Natuk, R.J.; Pride, M.; Cooper, D.; Guo, M.; Muccino, D.; She, J.; Souza, V.; Kowalski, J.; Gangolli, S.; Shroff, K.; Bhargava, S.; Kourie, K.; Long, D.; Kovacs, G.R.; **Vasilakis, N.**; Zamb, T.J.; Udem, S.A.; Eldridge, J.; Ciccarelli, R.; Mishkin, E.M. Immunogenicity and Efficacy of Venezuelan Equine Encephalitis Replicon Particle (VRP) Vectors Expressing HSV2gD or HSV2gH/L. Oral Presentation at the 26th International Herpes Workshop, Regensburg, Germany; July – August 2001
12. Mo, A.X.Y.; **Vasilakis, N.**; Cupo, A.; Shi, J.; Rossi, S.L.; Bhargava, S.; Zamb, T.J.; Kovacs, G.R. Venezuelan Equine Encephalitis Virus (VEEV) Replicons that Express Parainfluenza Virus Type 3 HN and F are a Potential Subunit Vaccine: Hamster Immunogenicity and Virus Challenge Studies. Poster presentation at the XIIth International Congress of Virology. Paris, France; July – August 2002
13. Mo, A.X.Y.; **Vasilakis, N.**; Cupo, A.; Shi, S.; Rossi, S.L.; Zamb, T.J.; Kovacs, G.R. Genomic Screening of Parainfluenza Virus Type 3 (PIV-3) Alphavirus Vector-Based Gene Products as Vaccine Candidates for their Contribution to Protective Immunity against PIV-3 Infection. Oral

Presentation at the 21st ASV Conference, Lexington, KY; July 2002

14. Gangolli, S.; **Vasilakis, N.**; Kovacs, G.R.; Zamb, T.J.; Kowalski, J. A Method of Alphavirus Particle Titration Based on Expression of Functional Non-Structural Protein. Poster Presentation at the 21st ASV Conference, Lexington, KY; July 2002
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1. 4th Ecology & Evolution of Infectious Disease Conference. State College, PA. May 18, 2006. The Potential of Ancestral Dengue-2 Viruses to Re-Emerge. Host: Edward Holmes, PhD
2. Emergent BioSolutions. Gaithersburg, MD. January 13, 2009. Challenges in Dengue Virus Vaccine Development. Host: Mario Skiadopoulos, PhD
3. Duke/NUS Graduate Medical School, Singapore. March 27, 2009. The Fever from the Forest: The Evolution and Emergence of Sylvatic Dengue and its Impact on Public Health. Host: Duane Gubler, PhD
4. University of Georgia College of Veterinary Medicine, Athens, GA. September 28, 2009. Out of the Forest and into the Urban Jungle – Emergence and Evolution of Dengue Virus. Host: Frederick Quinn, PhD
5. American Society of Tropical Medicine and Hygiene symposium, Washington, DC. November 22, 2009. Insights from the Bench: Experimental Studies of Sylvatic Dengue Virus. Host: Kathryn A. Hanley, PhD
6. University of Florida, Gainesville, FL. July 14, 2010. Experimental and Retrospective Views on Emerging Arboviral Zoonoses. Host: David Bloom, PhD
7. University of Alberta, Edmonton, Canada. August 4, 2010. The Great Hunt: Searching for Animal Models for Dengue Pathogenesis and Emergence. Host: David Evans, PhD
8. A Re-Emerging Challenge: New Opportunities for Dengue Research Collaboration. Conference sponsored by the National Institute of Allergy and Infectious Diseases (NIAID). San Juan, Puerto Rico, February 15-18, 2011. Prognostic Plasma Markers of Progression to Severe Disease in Brazilian Dengue Virus Infection.
9. Boston University, Boston, MA. May 11, 2011. The Fever from the Forest: Prospects for Continued Emergence of Sylvatic Dengue Virus and Impact on Public Health. Host: Caroline Genco, PhD

10. IV International Symposium of Tropical Arboviruses and Viral Hemorrhagic Fevers. Instituto Evandro Chagas, Belem, Brazil, May 22 – 26, 2011. Update on Sylvatic Dengue Viruses in Africa and Asia. Host: Pedro Vasconcelos, MD/PhD.
11. Instituto Nacional de Salud Pública. Centro de Investigaciones Sobre Enfermedades Infecciosas. Guernavaca, Mexico, July 26, 2011. Sylvatic Dengue – What next? Host: Jose Ramos-Castaneda, PhD
12. DARPA Prophecy Kick-off. Santa Rosa, CA, October 13, 2011. Virus Evolution Prediction (ViEPr) System. Host: Michael Callahan, MD.
13. Brazil Institute of the Woodrow Wilson International Center for Scholars. Conference celebrating the 50th anniversary of Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP). Washington, DC, October 25, 2011. Dengue – a virus without borders. Host: Daniel Janies, PhD
14. Boston University School of Public Health. Guest lecturer for the Emerging Infectious Diseases class. November 11, 2011. The Fever from the Forest: Prospects for Continued Emergence of Sylvatic Dengue Virus and Impact on Public Health. Host: Jean Van Seventer, V.M.D.
15. Lawrence Livermore National Laboratory, Livermore, CA. January 19, 2012. Arbovirus emergence – experimental and epidemiological observations. Host: Pejman Naraghi-Arani, PhD
16. Sociedade de Medicina e Cirurgia São José do Rio Preto, São José do Rio Preto, Brazil. March 7, 2012. Continued dengue re-emergence – implications for prevention and control. Host: Mauricio Nogueira, MD/PhD
17. Institut de Recherche pour le Développement (IRD). Plenary Speaker, Workshop genetics and molecular epidemiology of infectious diseases in Latin America. La Paz, Bolivia, April 25-27, 2012. Sylvatic dengue in the Americas? Comparisons to ecology and epidemiology of Yellow Fever virus. Host: Michel Tibayrenc, PhD
18. American Society of Tropical Medicine and Hygiene symposium: ‘Mosquito-Specific Viruses: What is Their Function and Potential Effect on Arbovirus Transmission?’, Atlanta, GA. November 22, 2012. Other novel mosquito-specific viruses. Host: Robert B. Tesh, MD
19. XXIII Congresso Brasileiro de Virologia. Foz do Iguacu, Parana, Brasil, September 30 – October 3, 2012. Dengue – Quo Tu et Quo Vadis

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(*) = corresponding author

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