

## C. J. PETERS, M.D.

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### Title:

John Sealy Distinguished University Chair in Tropical and Emerging Virology,  
University of Texas Medical Branch, Galveston, TX.

### Project Role:

Principal Investigator: Rift Valley fever (RVF) module

### Project Responsibilities:

Plan and coordinate the program and experiments, provide a repository of knowledge on virus and field epidemiology.

### Relevant Expertise:

Dr. Peters has worked on the investigation and/or control of RVF epidemics in Egypt (1977), Mauritania (1987), and Kenya (1997, 2007), as well as on the development of a live-attenuated vaccine. He has approximately 70 (of a total of 350) scientific publications on RVF. In addition, Dr. Peters, a medical doctor, has served as a post-doctoral fellow and staff scientist at the Middle America Research Unit (an NIAID intramural laboratory in Panama); as well as a post-doctoral fellow at the Scripps Clinic Research Foundation. He has 13 years of experience in high-hazard virus research and vaccine development in the U.S. Army, as well as 10 years of experience as the head of the Special Pathogens Branch at the CDC. For the past 8 years, he has conducted research on RVF and SARS at the University of Texas Medical Branch, Galveston.

### Education and Training:

Rice University	B.A.	1962	Chemistry
Johns Hopkins School of Medicine	M.D.	1966	

### Professional Appointments:

2001-Present Professor of Pathology and of Microbiology / Immunology,  
University of Texas Medical Branch, Galveston, TX

2003-Present Adjunct Professor, Veterinary Pathobiology Texas A&M University

### Honors:

1994	Secretary's Award, Health and Human Services (Hantavirus Investigation)
1994	Enders Lecture, Infectious Disease Society of America
1996	Secretary's Award, Health and Human Services (Ebola Investigation)
2000	Secretary's Award, Health and Human Services (Nipah Investigation)
2006	Clinical Virology Award, Pan American Society for Clinical Virology

### Relevant Publications:

1. Won, S., T. Ikegami, **C.J. Peters**, and S. Makino. 2007. NSm protein of Rift Valley fever virus suppresses virus-induced apoptosis. *J Virol* 81(24):13335-13345.
2. Ikegami, T., S. Won, **C.J. Peters**, and S. Makino. Characterization of Rift Valley fever virus transcriptional terminations. 2007. *J Virol* 81(16):8421-8438.
3. Perrone, L.A., K. Narayanan, M. Worthy, and **C.J. Peters**. 2007. The S segment of Punta Toro virus (Bunyaviridae, Phlebovirus) is a major determinant of lethality in the Syrian hamster and codes for a type 1 interferon antagonist. *J Virol* 81:884-892.

4. LaBeaud, A.D., Y. Ochiai, **C.J. Peters**, E.M. Muchiri, and C.H. King. 2007. Spectrum of Rift Valley fever virus transmission in Kenya: Insights from three distinct regions. *Am J Trop Med Hyg* 76(5):795-800
5. Ikegami, T. S. Won, **C.J. Peters**, and S. Makino. 2006. Rescue of infectious Rift Valley fever virus entirely from cDNA, analysis of virus lacking the NSs gene, and expression of a foreign gene. *J Virol* 80:2933-2940.

**Research Support:**

**Title: Emerging Viral Disease Unit**

Contract No.: NIH-NIAID-DMID-02-24                      PI: Tesh                      09/28/02-09/27/09

Agency: NIH

Amount: \$2,339,212

Summary: The overall purpose of this contract proposal is to establish two broadly based, interactive, multi-disciplinary research teams at the University of Texas Medical Branch and at Colorado State University that are capable of addressing scientific questions related to the emergence of a wide variety of arthropod-borne and zoonotic viral pathogens.

**Title: Viral Respiratory Pathogens Research Unit (VRPRU-SARS)**

Contract No.: NO1- AI-30039                      PI: Couch                      07/01/04-06/30/08

Agency: NIH/NIAID

Amount: \$200,329 (subcontract)

Summary: The purpose of this project is to conduct collaborative research on SARS and SARS coronavirus in small animals.

**Title: National Center for Foreign Animal and Zoonotic Disease Defense**

Contract No.: 2007-ST-061-000002                      PI: Clarke                      10/01/07-09/30/08

Agency: DHS

Amount: \$181,200 (subcontract)

Summary: The purpose of this subcontract is to prepare Rift Valley fever vaccines that are rapidly immunogenic and that can be produced rapidly.

**Title: Rift Valley Fever Virus MP-12 Vaccine Completion**

Contract No.: 1UC1 AI062636-01                      PI: Peters                      09/15/04-12/31/08

Agency: NIH/NIAID

Amount: \$5,231,626 (total)

Summary: The purpose of this project is to develop a new vaccine against the Rift Valley fever virus.