

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel in the order listed for Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION/TITLE	
Ricardo, Izurieta		Associate Professor	
Rizurieta			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Universidad Central del Ecuador Ecuador	MD	1979-1986	General Medicine
Universidad Central del Ecuador Ecuador		1989-1992	Post-grad in Health Research and Administration
Department of Epidemiology/IH School of Public Health University of Alabama at Birmingham USA	MPH	1993-1995	Epidemiology & International Health
The University of Maryland Maryland Biotechnology Institute Baltimore, College Park, Maryland USA		1995	Diagnostic Tests for V. cholerae
Gorgas Memorial Institute of Tropical and Preventive Medicine, USA/Cayetano Heredia University, Lima, Peru	DTM&H	1998	Diploma Tropical Medicine & Hygiene
Department of Epidemiology/IH School of Public Health University of Alabama at Birmingham USA	Doctor in Public Health	1995-2000	Epidemiology & International Health

**NOTE: The Biographical Sketch may not exceed four pages. Items A and B may not exceed two of the four-page limit.**

**A. Personal Statement**

Dr. Izurieta received his MD from Central University of Ecuador and his DrPH from University of Alabama at Birmingham. In 1991, he faced the cholera epidemic that spread through Latin American countries as National Director of the Cholera Control Program at the Ministry of Public Health of Ecuador. During the cholera epidemic Dr Izurieta's trilingual skills Spanish/Quechua/English were critical for the public health interventions among the Quechua communities of the Andes. In 1997, he was appointed Chief of the Department of Epidemiology and Director of The Vaccine Center of the Armed Forces of Ecuador. During his studies, he has been a USAID Thomas Jefferson Fellow, a PAHO Research Fellow, a Gorgas Memorial Institute Fellow, and a FUNDACYT Fellow. In 2003, Dr. Izurieta was elected Vice President of the Gorgas Memorial Institute of Tropical and Preventive Medicine and he is currently Member of its Board of Directors and Latin American Liaison. During his work controlling tropical infectious diseases in the Amazonian rainforest, he has interacted with the ethnic groups Shuar, Shiwiar, Huaorani, and Quechua Amazonico.

## B. Positions and Honors.

### Positions and Employment

2000-Present Professor, Biomedicine Center, Central University of Ecuador, Quito, Ecuador

2012-Present Associate Professor, Department of Global Health, College of Public Health, University of South Florida

2003-2012 Assistant Professor, Department of Global Health, College of Public Health, University of South Florida

2005-Present Director Donald Price Center for Parasitology Education and Training

2003-2005 Co-Principal Investigator, Gastroenteric diseases and water Project, Centers for Disease Control and Prevention/Rollins School of Public Health, Emory University Atlanta, Georgia

2000-2002 Research Associate and Manager, Microbiology Safety Project, Rollins School of Public Health, Emory University Atlanta, Georgia

1999 Pan American Health Organization Consultant for Post-Doctoral Medical Research in the Americas

1999-2000 Research Coordinator, Female and Male Condon Effectiveness in HIV Transmission Project Department of Epidemiology, University of Alabama at Birmingham USA

2000-2002 Consultant, San Francisco HIV/AIDS Project in Zambia and Rwanda, Department of Epidemiology, University of Alabama at Birmingham USA

1997-1998 Epidemiology Professor, Postdoctoral Specialization in Clinical Epidemiology, School of Medicine, Catholic University of Ecuador

1997-1998 Researcher and Professor, Post-Doctoral Bio-Medicine Institute, Medical School, Central University of Ecuador

1991-1993 Health Officer of the Division of Infectious Disease Control, National Direction of Epidemiology, Ministry of Public Health Ecuador

1991-1993 Officer of the Cholera Control Program, National Direction of Epidemiology, Ministry of Public Health Ecuador Ecuador

1987-1993 Field Coordinator and Consultant, Leishmania Vaccine Project, USAID Grant ESR 518-0058

### Other Experience and Professional Memberships

2007-Present Member of the Florida Center for AIDS Research F-CFAR

2007-Present Member of the Board of Directors and Latin American Liaison, Gorgas Memorial Institute

2003-2007 Vice-President, Gorgas Memorial Institute of Tropical and Preventive Medicine

1997-1998 Chairman of the Vaccine and Tropical Medicine Center, Main Military Hospital HG-1, Ministry of Defense of Ecuador

1997-1998 Member of the National Committee to Control Emerging and Reemerging Diseases, Ecuador

1992 Associate Secretary, Ecuadorian Association of Medical Schools, Ecuador

1991 Member of the National Council of Health (CNS), Ecuador

1989 Member of the Committee for Ethics in Research, School of Medical Sciences, Central University of Ecuador Ecuador

## B. Selected peer-reviewed publications.

### Most relevant to the current application

1. Prieto DM, Das TK, Savachkin AA, Uribe A, **Izurieta R**, Malavade S.: A systematic review to identify areas of enhancements of pandemic simulation models for operational use at provincial and local levels. *BMC Public Health*. 2012 Mar 30;12 (1):251.
2. **Izurieta RO**, Macaluso M, Watts DM, Tesh RB, Guerra B, Cruz LM, Galwankar S, Vermund SH. Hunting in the Rainforest and Mayaro Virus Infection: An emerging Alphavirus in Ecuador. *J Glob Infect Dis*. 2011 Oct;3(4):317-23.
3. Malavade SS, Narvaez A, Mitra A, Ochoa T, Naik E, Sharma M, Galwankar S, Breglia MD, **Izurieta R**: "Cholera in Ecuador: Current Relevance of Past Lessons Learnt". *JGID* (3) 2:189-194 (In Press), 2011
4. Tadahiro Sasaki, **Ricardo Izurieta**, Boo Kwa, Edmundo Estevez, Azael Saldana, Jose Calzada, Maki Utsumi, Saori Fujimoto, Iraru Hirai, Yoshimasa Yamamoto: "A pilot study of epidemiological analysis of *Helicobacter pylori* genotype and parasites in stool samples obtained from asymptomatic people in tropical countries" *LabMed* 40:412-414, 2009
5. Ghiya R., Naik E., Casanas B., **Izurieta R.**, Marfatia Y. "Clinico-epidemiological profile of HIV/TB coinfecting patients in Vadodara, Gujarat". *Indian J Sex Transm Dis & AIDS* Vol. 30, No. 1, 2009
6. **Izurieta R**, Macaluso M, Watts D, Tesh R, Guerra B, Cruz L., Galwankar S., Vermund S: "Anamnestic Immune Response to Dengue and decreased Severity of Yellow Fever Cases". *Journal of Global Infectious Diseases* 1 Vol. No 1, 2009.
7. **Izurieta R**, Macaluso M, Watts D, Tesh R, Guerra B, Cruz L., Galwankar S., Vermund S: "Yellow Fever and Rain Forest Clearing in the Ecuadorian Amazon". *Journal of Global Infectious Diseases* 2 Vol. No 1, 2009.
8. Corrales-Cohen L, **Izurieta R**, Moe C: "Association between Intestinal Parasitic Infections and Type of Sanitation System in

Rural El Salvador” Tropical Medicine and International Health, December 2006.

9. Sempertegui F, Estrella B, **Izurieta R**: “The beneficial effect of weekly low-dose vitamin A supplementation on acute respiratory infection and diarrhea in Ecuadorian children”. Pediatrics Vol 104 No 1, July, 1999.

10. Armijos R, Weigel M, **Izurieta R**, Racines R, Zurita C, Herrera W, Vega M: “The epidemiology of cutaneous leishmaniasis in subtropical Ecuador” Tropical Medicine and International Health Vol 2 No 2 pp 140-152, February, 1997

11. Sempertegui F, Estrella B, Egas J, Carrion P, Yerovi L. Diaz S, Lascano M, Aranha R, Ortiz W, Zabala A, **Izurieta R**, Griffiths JK: “Risk of diarrheal disease in Ecuadorian day-care centers”. Pediatric Infectious Diseases Journal, Nro 14, 1995

12. **Izurieta R**, Medina M: "Colera: Reporte del brote de Salcedo". In Colera in the Ecuadorian Highlands, Narvaez A, Valcarcel M, and Betancourt Z. Edited by the Ministry of Public Health of Ecuador and the Pan American Health Organization, 1995.

13. Weigel MM, Armijos RX, Racines J, Zurita C, **Izurieta R**, Herrea E, Hinojosa E: "Cutaneous Leishmaniasis in Subtropical Ecuador: Popular Perceptions, Knowledge, and Treatment". Bulletin of Pan American Health Organization 28(2), 1994.

14. Weigel MM, Armijos RX, Monaco M, **Izurieta R**, Racines J, Zurita C, Jaramillo G: "Nutritional and Health Status of Rural Women Colonists in the Subtropical Lowlands of Northwest Ecuador". Ecology of Food and Nutrition, Vol 29, 1992.

15. **Izurieta R**, Ochoa T, Narvaez A, Sempertegui R: "Investigacion del Brote de Colera en el Recinto La Maria, Provincia del Oro" `Epidemiology Bulletin, Ministry of Public Health of Ecuador. Vol 31 September, 1991.

### **C. Research Support.**

#### **Ongoing Research Support**

1D43TW006793-01A2 2007-Present

NIH Fogarty Grant

Co-Investigator and Mentor

“USF-INDIA Program in Adolescent HIV/AIDS Research Training (PAHRT)”

2009-Present

Principal Investigator and Director

“Internship in Tropical Diseases and Global Health”

Hispanic Serving Health Profession Schools

2007-Present

State of Florida Grant

Co-Principal Investigator

“Millennium Development Goals Critical Technologies”

Principal Investigator

2006-Present

“Epidemiological Study of Contributing Factors in the Development of Gastric Cancer initiated by Helicobacter pylori infection”

Ministry of Public Health of Japan/Osaka

University/University of South Florida/Central University of Ecuador

Award # 5-26570-G-1 2002-2005

2003-2005

EPA-CDC Financed. Subcontract Emory University

Co-Principal Investigator “A Prospective Study of Gastrointestinal

Health Effects and Consumption of Conventionally Treated Groundwater”

#### **Completed Research Support**

Grant 6401100101

2003-2005

Financed by the Global Center for Disaster Management & Humanitarian Action.

Co-Principal Investigator

“Assesment of Intestinal parasitic Infections in Civilian and Military Relief Workers”.

UNICEF el Salvador, Ministry of Health of El Salvador, El Salvador. “Performance of the Solar latrine prototype IV in el Salvador”	2000-2003
Grant AM-MCP-RPS-011 Pan American Health Organization. Principal Investigator “Management of Cholera”	1995-2000
Grant ESR 518-0058 USAID Co-Principal Investigator Leishmania Vaccine Project, Ecuador	1987-1992