

CURRICULUM VITAE

I. PERSONAL

Name: Ricardo Izurieta, MD, DTM&H, MPH, DrPH
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II. EDUCATION

Degrees

Doctor in Public Health August 2000
Department of Epidemiology/IH
School of Public Health
University of Alabama at Birmingham
USA

Post-Doctoral Diploma in Tropical and April 1998
Infectious Diseases
Gorgas Memorial Institute of Tropical and
Preventive Medicine, USA

Master in Public Health March 1995
Department of Epidemiology/IH
School of Public Health
University of Alabama at Birmingham
USA

Postgrade in Health Research and March 1992
Administration
School of Public Health
Universidad Central del Ecuador
Ecuador

Medicine Doctor
School of Medicine
Universidad Central del Ecuador
Ecuador

August 1986

Short term courses

Vaccinology
School of Public Health
University of Alabama at Birmingham
USA

Sep-Dec 1998

Diagnostic Tests for V cholerae
The University of Maryland
Maryland Biotechnology Institute
Baltimore, College Park , Maryland
USA

April-May 1996

Leadership and Business Training
for Health Care Professionals
Business Enterprise Development Center
Walsh College
Detroit, Michigan
USA

December 1993

Invitational lectures-scientific

International Congress on Infectious Diseases. "Helicobacter Pylori and Gastric Cancer". June 25-29, 2007 Quito-Ecuador .

II International Conference on Ecological Sanitation. " Longitudinal Study of Double Vault Urine Diverting Toilets and Solar Toilets in El Salvador". Lubeck, Germany. April 11-17, 2003

II International Conference on Ecological Sanitation. " Microbiological Studies of Ecological Sanitation in El Salvador". Nanning, China. November 2001

V National Congress of Infectious Diseases. "Persistence of Ascaris lumbricoides in the Environment" . Guatemala, Guatemala November 17 2001.

IV National Congress of Sanitary and Environmental Engineering. "Environmental Microbiology" . Inter American Society of Sanitary and Environmental Engineering. San Salvador, El Salvador October 2-7 2000

9th International Congress of Infectious Diseases. "Anamnestic Immune Response to Dengue and decreased Severity of Yellow Fever Cases" International Society of Infectious Diseases, Buenos Aires, Argentina. April 10-13, 2000

9th International Congress of Infectious Diseases. "Yellow Fever and Rain Forest Clearing in the Ecuadorian Amazon" International Society of Infectious Diseases, Buenos Aires, Argentina. April 10-13, 2000

9th International Congress of Infectious Diseases. "Hunting in the Rainforest and Mayaro Infection: A model of Transmission for an Emerging Alphavirus in Ecuador" International Society of Infectious Diseases, Buenos Aires, Argentina. April 10-13, 2000

II Annual Meeting of the Gulf Coast Tropical Medicine Association. "Hemorrhagic viruses of the Amazonian rainforest of Ecuador". University of Texas Medical Branch at Galveston. June 25-27, 1999

XII Medical Meeting and II International Congress on Family Medicine. "Dengue: the disease and the new experimental vaccines". Organized by Hospital Vozandes and the National Society of Family Medicine. Quito, Ecuador. August 24-28, 1998

First National Course of Advances in Medicine and Dentistry. "Malaria: its management and prevention". Organized by the National Society of Rural Health Professionals. Quito, Ecuador. July 20-24, 1998

National Second Scientific Meetings. "Sexually Transmitted Diseases". Organized by the Society of Physicians and Dentists of Quito. Quito, Ecuador. June 21-24, 1998

National Course on Clinic and Surgery. "Malaria: Its prevention". Organized by the School of Medicine of Universidad Central of Ecuador. Quito, Ecuador. June 22-26, 1998

The New Challenges of the Microbes. "Yellow Fever in the Amazonian Rainforest" Organized by Harvard University (USA) and The Ecuadorian Corporation for Biotechnology. Quito, Ecuador. November 18-20, 1997

The New Challenges of the Microbes. "Emerging and Reemerging Diseases: a view of Ecuador". Organized by Harvard University (USA) and The Ecuadorian Corporation for Biotechnology. Quito, Ecuador. November 18-20, 1997

IX National Congress of Pathology, Ecuador. "Yellow fever in Ecuador". International Course on Tropical Diseases. Organized by the Ecuadorian Society of Pathology and the Ecuadorian College of Physicians. Quito, Ecuador. November 3-7, 1997

Special Topics in International Health, "The Control of Cholera in Ecuador". The School of Public Health, the University of Alabama at Birmingham. Alabama, USA. November 20 1995

National Course on Cholera, "Actions to prevent cholera". Ecuadorian Association of Medical Schools. Quito, Ecuador. May 28, 1991.

Basic Immunology Course. "Epidemiology of Leishmania species in Ecuador" Unit of Immunology, Central University of Ecuador. Quito-Ecuador. April 9-11, 1990

"Tropical Diseases". Unit of Immunology, Central University of Ecuador. Quito, Ecuador. July 9-11, 1990

Course on Diagnosis, Treatment and Epidemiological Control of Leishmaniasis. Central University of Ecuador. Quito, Ecuador. October 23-25, 1989

Course of Medical Update, Eugenio Chusig. Ministry of Public Health of Ecuador, National Association of Rural Physicians. Quito, Ecuador. June 8-12, 1987

XIV Latin American Conference of Schools of Medicine. "The Universities and their strategy to achieve Health for the World 2000 ". Quito, Ecuador. October 8 1987

COURSES AND ROUNDTABLES

18th Annual Update on STD/HIV/AIDS . University of Alabama School of Medicine, Division of Continuing Medical Education . Birmingham, Alabama November 7, 2002.

Recent Advances in HIV and AIDS: Pathogenesis and Experimental Therapeutics, University of Alabama at Birmingham, Division of Continuing Medical Education, Birmingham, AL, November, 1999

Optimal Management of HOV Disease, University of Alabama at Birmingham, Division of Continuing Medical Education, Birmingham, AL, February, 1999

Total Quality Movement. School of Business, University of Alabama at Birmingham, USA. January, 1996.

World Food Day Teleconference, "Sharing Water: Farms, Cities and Ecosystems". The Catholic University of America, Washington DC, USA. October 14, 1994.

Strategic Management of Public Health Organizations. School of Public Health, University of Alabama at Birmingham, USA, August 9-11, 1994

Financial Management of Public Health Organizations. School of Public Health, University of Alabama at Birmingham, U.S.A. October 18-20, 1994

International Seminar "Mental Health and Development". Pan American Health Organization and The Ministry of Public Health of Ecuador, Quito, Ecuador. May 4-8 1992.

First Congress of Public Health of the Andean Region. Andean University Simon Bolivar, Central University of Ecuador and The Ecuadorian Society of Public Health, Quito, Ecuador. January 21-25, 1991

Course on Health Management. Andean University Simon Bolivar , Central University of Ecuador, and The Ecuadorian Society of Public Health. Quito, Ecuador. January 21-25, 1991

Course "Vitamin A deficiency in Ecuador". International Science and Technology Institute (USA) and Universidad San Francisco de Quito, Quito, Ecuador. December 20, 1990

Seminar "Nutrition and Development in the Andes". International Center for the Children , Paris, France and The School of Medicine, Central University of Ecuador. Quito, Ecuador. April 26-28, 1989

Course Medical Advances in Cuba. Research Institute of the Havana, Cuba and The School of Medicine, Central University of Ecuador. Quito, Ecuador . March 10, 1989

Postdoctoral course "Medical Genetics II". Postdoctoral School of Medicine , Central University of Ecuador. Quito, Ecuador. October 26, 1988

Postdoctoral course "Laboratory Techniques and Methods in Immunology", Postdoctoral School of Medicine Central University of Ecuador, Quito, Ecuador. September 16, 1988

Postdoctoral course "Medical Genetics I". Postdoctoral School of Medicine , Central University of Ecuador. Quito, Ecuador. October 25-28, 1988

II Course Postdoctoral on Gyn/Obs Update Central University of Ecuador Ecuadorian College of Physicians, Quito, Ecuador. April 18-25, 1988

Course on Teaching Techniques. Ecuadorian Association of Medical Schools, Central University of Ecuador. Quito, Ecuador. March 14-18 1988

I Basic Course on Medical Emergencies. Postdoctoral School of Medicine Central University of Ecuador. Quito, Ecuador. July 4-15 1988

II International Course on Tropical Medicine and Parasitology. Ministry of Public Health of Ecuador and Central University of Ecuador. Quito, Ecuador. July 25-28, 1988

I Postdoctoral Course of Gyn/Obs. Central University of Ecuador and The Ecuadorian College of Physicians. Quito, Ecuador. September 14- October 24, 1987

II Course on Primary Health Services in the Rural Area. Ministry of Public, Health and School of Medicine, Central University of Ecuador, and The Ecuadorian College of Physicians. Quito, Ecuador. August 24-27, 1987

I Congress on Medical Research, University of Cuenca, Ecuador. Cuenca, Ecuador. December 7-12, 1987

V Ibero American Congress on Primary and Rural Health Services. Ministry of Public Health, The Ibero American Society of Rural Health and the Pan American Health Organization. Quito, Ecuador. November 17-22, 1986

International course "Growth, Nutrition, and Development". International Center for the Children, Paris, France and The School of Medicine, Central University of Ecuador. Quito, Ecuador. February 19-26, 1986

International Course "Luis A Leon" on Tropical and Infectious Diseases. Ecuadorian Association of Medical Schools. Quito, Ecuador. May 15-21, 1986

Course "Advances in Primary Health Care". Central University of Ecuador, National Association of Rural Physicians, Quito, Ecuador. August 25-29, 1986

III. SUMMARY OF PROFESSIONAL SKILLS & EXPERTISE

Advanced techniques of epidemiological analysis: Survival Analysis, Conditional Logistic Regression, No Conditional Logistic Regression, Multiple Regression, Log-linear Regression, Univariate Analysis, Power Analysis, Confounding Analysis, Colinearity Analysis, Interaction Analysis, Modulators Analysis,

Decision Analysis.

Expertise in management of vaccines for travelers. Management of chemioprophylaxis in travel medicine. Management of vaccine centers.

Expertise in management of tropical and infectious diseases. Laboratory skills in diagnosis of malaria, leishmaniasis, oncocercosis, filariasis, and other human parasites. Basic knowledge in bacteriology laboratory. Expertise in control of nosocomial infections.

Skills in Management of Complex Health Organizations, Strategic Management, Cost Analysis, Managerial Finance, Health Economics, Health Care Marketing, Social Marketing and Program Evaluation.

Software experience and skills include: word processing, graphics, databases, statistical (SAS, SPSS, SUDAAN, QPRO, EPI-INFO, PARADOX, LOTUS, WP, POWER-POINT, HARVARD GRAPHICS)

IV SUMMARY OF RELEVANT WORK EXPERIENCE

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

Researcher
Fresh Water Project
Centers for Disease Control and Prevention/
Rollins School of Public Health
Emory University
Atlanta, Georgia
2003-2005

Consultant
Swedish Institute for Infectious Disease Control
Stockholm Environment Institute
Sweden
2004-Present

<p>Research Associate and Manager Microbiology Safety Project Rollins School of Public Health Emory University Atlanta, Georgia</p>	<p>2000- 2002</p>
<p>Honorary Professor Biomedicine Center Central University of Ecuador Quito, Ecuador</p>	<p>2000-Present</p>
<p>Research Coordinator Department of Epidemiology University of Alabama at Birmingham USA</p>	<p>1999- 2000</p>
<p>Principal Researcher Project "Management of Cholera" Pan American Health Organization Grant AM-MCP-RPS-011</p>	<p>1997-1999</p>
<p>Chairman of the Vaccine and Tropical Medicine Center Main Military Hospital HG-1 Ministry of Defense of Ecuador</p>	<p>1997-1998</p>
<p>Chairman of the Unit of Epidemiology and Hygiene Main Military Hospital HG-1 Ministry of Defense of Ecuador</p>	<p>1997-1998</p>
<p>Epidemiology Adviser Commanding of Defense Ministry of Defense of Ecuador</p>	<p>1997-1998</p>
<p>Epidemiology Professor Postdoctoral Specialization in Epidemiology School of Medicine Catholic University of Ecuador</p>	<p>1997-1998</p>
<p>Researcher and Professor Postdoctoral Medical School Central University of Ecuador</p>	<p>1997-1998</p>

Coordinator of the Cholera Control Program 1992-1993
National Direction of Epidemiology
Ministry of Public Health Ecuador

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

Associate Secretary 1992
Ecuadorian Association of Medical Schools
Ecuador

FELLOWSHIPS AND AWARDS

Gorgas Memorial Institute of Tropical and Preventive Medicine Fellowship. USA, February 1998.

World Health Organization/ Pan American Health Organization (WHO/PAHO). Research Training Grant. From 1995 to 1996

United States Agency for International Development, Thomas Jefferson Fellowship (USAID). From 1993 to 1995

Ministry of Public Health of Ecuador (MSP-Ecuador). Post-Doctoral Fellow in Public Health. From 1990 to 1992, Universidad Central, Ecuador

PROFESSIONAL ASSOCIATION MEMBERSHIP

International Society for Infectious Diseases
American Public Health Association (USA)
National Council for International Health (USA)
National Association of Epidemiologists of Ecuador (Ecuador)
Collage of Physicians of Ecuador (Ecuador)

HONOR SOCIETIES

Phi Beta Delta Honor Society f (USA)
Honorarium Professor of Central University of Ecuador

CONSULTANCIES

Pan American Health Organization "Health Research in Postdoctoral Programs in the Americas" Pan American Health Organization Head Quarters, Washington DC, USA, 1999

Project "The effect of Zinc supplementation on Malaria in Ecuadorian Children" Harvard University (USA) and The Ecuadorian Corporation for Biotechnology of Ecuador . 1998-Present

Applied Diarrhea Disease Research Project: "Risk of diarrhea disease in Ecuadorian day-care centers". Harvard University (USA) and The Ecuadorian Corporation for Biotechnology of Ecuador, 1992-1993

Leishmania Vaccine Project, USAID Grant ESR 518-0058. Ecuador, 1987-1992

Inter American Development Bank-Ecuadorian Science Foundation Project for the development of cholera monoclonal antibodies . Ecuador. 1991

RECENT GRANTS

Sanitation Practices/Behaviors Associated with ECOSAN Latrines in El Salvador

Principal Investigator

Date of the award: 02/09/07

Amount: \$ 8,000

Integrating global capabilities into STEM education: Critical technologies and strategies for meeting the UN's Millennium Development Goals on water and sanitation

Principal Investigator

Date of the award: 08/07

Amount: \$ 450,000

The Crisis of Medical Worker Brain Drain: A Comparative Case Study of Medical Labor Migration from Ecuador, Jamaica, and the Philippines

Principal Investigator

Date of the award: 07/07

Amount: \$ 75,000

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

Co-Investigator

Date of the award: 08/07

Amount: \$ 1,462,000

APPOINTMENTS

Latin American Liaison Gorgas Memorial Institute of Tropical & Preventive Medicine Birmingham, Alabama	2007-Present
Vice-President Gorgas Memorial Institute of Tropical & Preventive Medicine Birmingham, Alabama	2003-2007
Director Donald Price Center University of South Florida	2005-Present
Member of the National Committee to Control Emerging and Reemerging Diseases Ecuador	1997-1998
Member of the National Committee Against Yellow Fever Ecuador	1997-1998
Senator Student Government Association (SGA) School of Public Health University of Alabama at Birmingham USA	1993-1994
Member of the National Council of Health (CNS) Ecuador	1991
Secretary Asociacion Nacional de Post Doctoral Medical Residents (ANRUP) Ecuador	1990
Member of the Committee for Ethics in Research Medical Sciences, Central University of Ecuador Ecuador	1989

Vice President Rural Physician Association of Ecuador Medicos Rurales P (ANAMER) Ecuador	1987
Member of the University Board of Trustees Universidad Central del Ecuador Ecuador	1986-1988

V. RECENT PUBLICATIONS

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” In press August 2007

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.

Moe C & **Izurieta R**: “Longitudinal study of double vault urine diverting toilets and solar toilets in El Salvador” Proceedings of the 2nd International Symposium on Ecological Sanitation 7-11 April 2003, Lubeck Germany

Izurieta R Moe C &: “The impact of ecological sanitation on parasitic infections in rural El Salvador” Proceedings of the 2nd Internacional Symposium on Ecological Sanitation 7-11 April 2003, Lubeck Germany

Izurieta R, Macaluso M, Watts D, Tesh R, Guerra B, Vermund S: “Anamnestic Immune Response to Dengue and decreased Severity of Yellow Fever Cases”. Submitted for publication, 2003

Izurieta R, Macaluso M, Watts D, Tesh R, Maetz HM, Guerra B, Vermund S: “Yellow Fever and Rain Forest Clearing in the Ecuadorian Amazon”. Submitted for publication, 2003

Izurieta R, Macaluso M, Watts D, Tesh R, Mason W, Guerra B, Vermund S: “Hunting in the Rainforest and Mayaro Infection: A model of Transmission for an Emerging Alphavirus in Ecuador”. American Journal of Epidemiology 151 (11) June 2000

Macaluso M, **Izurieta R**, Brill I, Klerman L : “Reproductive Intentions and Use of Barrier Contraception for STD prevention”. Submitted to Contraception, March 2003

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

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

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

Izurieta R, Medina M: "Cholera: Report del brote de Salcedo". In Cholera 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.

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.

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.

Armijos RX, Racines J, **Izurieta R**: “Evaluation de la sensibilidad de cinco metodos diagnosticos de la leishmaniasis cutanea”. Medical Faculty Journal, Central University of Ecuador, Vol 16 (3-4), 1991

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.

VI. REFERENCES

Dr Maurizio Macaluso MD DrPH
Centers for Disease Control and Prevention
2614 Fairoaks Rd.
Decatur, GA 30033
Phone: (707)488-6379
E-mail: mum0@cdc.gov

Dr. Walter Mason
Professor Emeritus
Department of Epidemiology /IH
School of Public Health
Ryals Public Health Building
1530 3rd Ave S
Birmingham, AL 35294-0022
Phone: (205) 975-7699

Dr. Sten Vermund, MD. PhD
Professor and Director
Institute of Global Health
School of Medicine
319 Light Hall, 2215 Garland Ave
Nashville, TN 37232-0242
Phone: (615) 322-9373
Email: sten.vermund@vanderbilt.edu