

Ralph Baric, Ph.D.

Professor, Department of Epidemiology at UNC-Chapel Hill

Chapel Hill, NC, US

Dr. Ralph Baric performs research using coronaviruses as models to study the genetics of RNA viruses.

Description

After Ralph Baric attended N.C. State University on a swimming scholarship, he stuck around to complete a PhD in microbiology in 1983, the year the human immunodeficiency virus (HIV) was isolated. He is known for his research on the replication and pathogenesis of coronaviruses, which include SARS, and more recently of noroviruses such as the Norwalk virus. His work has crossed the boundaries of microbiology, virology, immunology and epidemiology, looking especially at the population genetics of viruses to find the molecular building blocks for more effective vaccines.

Industry Expertise

Education/Learning, Research

Topics

Microbiology, Virology, Immunology, Epidemiology, Coronaviruses, Sars, MERS

Affiliations

American Society for Microbiology : Member, American Society for Virology : Member, American Association for the Advancement of Science : Member

Past Talks

Development of TGEV Replicon Particles

American Society for Virology Annual Meeting, July 2002

McRoy, W and Baric, RS. Molecular Mechanisms of MHV Cross Species Transmission

American Society for Virology Annual Meeting, July 2002

Mechanisms of MHV Cross species Transmission

Southeastern Virology Meeting, 2002

NLV Vaccines

Southeastern Virology Meeting, April 2002

Systemic, mucosal and heterotypic protection against Norwalk like viruses using Venezuelan equine encephalitis virus replicons
International Symposium on Positive Strand RNA Viruses, 2001

Education

North Carolina State University
Ph.D. Microbiology

North Carolina State University
B.S. Zoology

Accomplishments

Gillings Innovation Laboratory
2008-2010

Finalist, World Technology Award
2004

Established Investigator
1989-1994

American Heart Association

Harvey Weaver Scholar
1984-86

National Multiple Sclerosis Society Fellowship

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