

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.

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.

Education/Learning, Research

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

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

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

North Carolina State University

Ph.D. Microbiology

North Carolina State University

B.S. Zoology

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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