Leopoldina
Nationale Akademie
der Wissenschaften

Curriculum Vitae Professor Dr Ralph Hruban

Image: Ethan Kaminsky

Name: **Ralph Hruban**
Born: **28 July 1959**

Research Priorities: Pancreatic cancer, role of molecular mechanisms in causing pancreatic cancer, intraductal papillary mucinous neoplasia (IPMN), pancreatic intraepithelial neoplasia (PanIN)

Ralph Hruban is a pathologist and cancer researcher. His main focus is on the pathology and genetic drivers of pancreatic cancer. He investigates precancerous stages and their disease-causing effects. He also studies familial pancreatic cancer, and he has developed on-line teaching materials and apps relating to the topic.

Academic and Professional Career

	Director, Sol Goldman Pancreatic Cancer Research Center, Johns Hopkins Hospital, Baltimore, USA
	Director, Department of Pathology, Johns Hopkins University School of Medicine, Baltimore, USA
	Baxley Professor and Director of the Department of Pathology, Johns Hopkins University School of Medicine, Baltimore, USA
1994	Co-Founder, National Familial Pancreas Tumor Registry, Johns Hopkins Hospital, Baltimore, USA
since 1999	Professor of Pathology and Oncology, Johns Hopkins University School of Medicine, Baltimore, USA
1990	Specialist for anatomical Pathology
1989 - 1990	Chief Resident in Pathology, Johns Hopkins Hospital, Baltimore, USA
1988 - 1989	Fellow, Memorial Sloan Kettering Cancer Center, New York City, USA
1986 - 1988	Resident in Anatomical Pathology, Johns Hopkins Hospital, Baltimore, USA

1985	MD, Johns Hopkins University School of Medicine, Baltimore, USA

Functions in Scientific Societies and Committees

2013 - 2015	President, Johns Hopkins Medical and Surgical Association, Baltimore, USA
1999 - 2011	Member, Scientific Advisory Board, Pancreatic Cancer Action Network (PanCAN), Manhattan Beach, USA
	Member, Board of Directors, Joseph C. Monastra Foundation, Baltimore, USA
	Member, Scientific Advisory Board, Michael Rolfe Pancreatic Cancer Foundation, Chicago, USA
	Member, Scientific Advisory Board, Cancer Patients Alliance, Pacific Grove, USA

Honours and Awarded Memberships

2020, 2017, 2013	Team Science Award, American Association for Cancer Research (AACR), USA
2016	Fred W. Stewart Award, Memorial Sloan Kettering Cancer Center, New York City, USA
2014	Outstanding Achievement in Educational Innovation, Institute for Excellence in Education (IEE), Johns Hopkins Medicine, Baltimore, USA
since 2013	Member, German National Academy of Sciences Leopoldina, Germany
2013	Distinguished Alumnus Award, Johns Hopkins University Alumni Association, Baltimore, USA
2013	Ruth Leff Siegel Award, Columbia University, New York City, USA
2012	Medical Education Award, BioCommunications Association, Attleboro, USA
2012	Ruth C. Brufsky Award of Excellence in Clinical Research for Pancreatic Cancer, University of Pittsburgh, Pittsburgh, USA
2012	Frank Netter Award for Special Contributions to Medical Education, Vesalius Trust for Visual Communication in the Health Sciences, Placitas, USA
2011	Ranice W. Crosby Distinguished Achievement Award, Department of Art as Applied to Medicine, Johns Hopkins University School of Medicine, Baltimore, USA
2006	Medical Visionary Award, Pancreatic Cancer Action Network PanCAN, Manhattan Beach, USA
2002	Arthur Purdy Stout Prize, Arthur Purdy Stout Society of Surgical Pathologists, USA
2001	Ramzi Cotran Award, United States and Canadian Academy of Pathology, USA and Canada

Research Priorities

Ralph Hruban is a pathologist and cancer researcher. His main focus is on the causes of pancreatic cancer. He investigates precancerous stages and their genetics. He also studies the genetic basis for the aggregation of pancreatic cancer in families, and he has developed on-line teaching materials and apps relating to the topic.

Pancreatic cancer is caused by inherited and acquired mutations in specific genes. Ralph Hruban wants to define the specific genes involved, and to understand the curable precursor lesions that give rise to aggressive pancreatic cancer. To this end, he combines his training in pathology with genetic analyses to investigate the lesions, which are considered preliminary stages on the way to invasive pancreatic cancer. Intraductal papillary mucinous neoplasia (IPMN) and pancreatic intraepithelial neoplasia (PanIN) are key to this research. A better understanding of these precursor lesions could pave the way for the early detection of pancreatic neoplasia. In a study of pancreatic neuroendocrine tumours (PanNET) he was able to demonstrate that mutations in three genes (MEN-1, DAXX, ATRX) drive these tumors. The precise analysis of these mutations creates the foundations for new therapeutic approaches.

He is also dedicated to educating the lay public about science, and he has developed educational web pages and published the book “A scientific revolution: Ten men and women who reinvented American medicine” (co-authored by Will Linder).