

**Emanuel Rubin, MD**

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**Education:**

1946-1950 B.S. Villanova University, Villanova, PA  
1950-1954 M.D. Harvard Medical School, Cambridge, MA  
1954-1955 Internship, Boston City Hospital, Boston, MA  
1957-1958 Residency, Children's Hospital of Philadelphia, Philadelphia, PA  
1958-1960 Dazian Research Fellow in Pathology, Mount Sinai Hospital, New York, NY  
1960-1962 Advanced Clinical Fellow, American Cancer Society, Mount Sinai Hospital, New York, NY

**Licensure:** NY and Pennsylvania

**Military Service:** US Navy, Lieutenant 1955-1957

**Committees and Professional Experience:**

1972-1976 Irene Heinz and John Laporte Given Professor of Pathology and Chairman of Pathology  
1977-1986 Professor and Chairman, Department of Pathology and Laboratory Medicine, Hahnemann University School of Medicine, and Director of Laboratories, Hahnemann University Hospital, Philadelphia, PA  
1986- Gonzalo E. Aponte Professor of Pathology, Chairman of the Department of Pathology, Anatomy and Cell Biology, Jefferson Medical College of Thomas Jefferson University and Physician-in-Chief Pathology, Thomas Jefferson University Hospital

**Honor and Awards:**

1990 Maude Abbott Lecture-US Canadian Academy of Pathology  
1994 Doctor Honoris Causa, University of Barcelona  
1995 The F.K. Mastofi Distinguished Service Award of US-Canadian Academy of Pathology  
1996 Donald Svoboda Memorial Lecture, University of Kansas Medical School  
1996-2006 NIH MERIT Award

**Societies:**

American Association of Pathologists  
 U.S.-Canadian Academy of Pathology  
 College of American Pathologists  
 American Society for Biochemistry and Molecular Biology  
 American College of Physicians  
 American Gastroenterological Association  
 American Association for the Study of Liver Diseases  
 International Association for the Study of the Liver  
 Research Society on Alcoholism  
 International Society for Biomedical Research on Alcoholism  
 Association of Pathology Chairmen (Vice-President 1988-90)

**Editorial Boards:**

<u>EDITOR-IN-CHIEF</u>	Laboratory Investigation	1982-1995
<u>FIELD EDITOR (PATHOLOGY)</u>	Quarterly Journal of Studies in Alcohol Federation Proceedings FASEB Journal	
<u>ASSISTANT EDITOR</u>	Addiction Biology	
<u>EDITORIAL BOARDS</u>	Laboratory Investigation Human Pathology Gastroenterology American Journal of Alcohol and Drug Abuse Substance and Alcohol Abuse Medicine and Chirurgie Digestives Alcohol and Alcoholism Alcohol Health and Research World Addiction Biology	
	Reviewing Editor - Alcoholism: Clinical and Experimental Research	

**Publications (Selected):**

Dr Rubin has authored more than 280 articles.

1. Hutterer, F., Rubin, E., Singer, E.J. and Popper, H.: Quantitative relation of cell proliferation and fibrogenesis in the liver. *Cancer Res.* 21: 205-215, 1961.
2. Rubin, E., Camara, J., Grayzel, D.M. and Zak, F.G.: Radiation-induced cardiac fibrosis. *Am. J. Med.* 34: 71-75, 1963.
3. Rubin, E., Masuko, K., Goldfarb, S. and Zak, F.G.: The role of cell proliferation in hepatic carcinogenesis. *Proc. Soc. Exp. Biol. Med.* 115: 381-384, 1964.
4. Rubin, E.: Autoradiographic characterization of sulfated acid mucopolysaccharides in experimental cirrhosis. *J. Histochem. Cytochem.* 14: 688-689, 1966.

5. Rubin, E. and Hutterer, F.: Studies of hepatic collagen and ground substance during recovery from chronic liver injury. In: Liver Research, Vandenbroucke, J., DeGrotte, J. and Standaert, L.O., Ed., Antwerp, St. Catherine Press, Ltd., 1967, pp. 372-375.
6. Cederbaum, A.I. and Rubin, E.: The oxidation of acetaldehyde by isolated mitochondria from various organs of the rat and hepatocellular carcinoma. *Arch. Biochem. Biophys.* 179: 46-66, 1977.
7. Thayer, W.S., Ohnishi, T. and Rubin, E.: Characterization of iron-sulfur clusters in rat liver submitochondrial particles by electron paramagnetic resonance spectroscopy. Alterations produced by chronic ethanol consumption. *Biochem. Biophys. Acta* 591: 22-36, 1980.
8. Rubin, E.: Viral hepatitis: A symposium. *Human Pathol.* 12: 1060-1122, 1981.
9. Schanne, F.Z.X., Zucker, A.H., Farber, J.L. and Rubin, E.: A new in vitro model of alcohol-dependent liver cell necrosis. *Science* 212: 338-340, 1981.
10. Taraschi, T.F., Ellingson, J.S., Wu, A., Zimmerman, R. and Rubin, E.: Membrane tolerance to ethanol is rapidly lost after withdrawal: A new model for studies of membrane adaptation. *Proc. Nat. Acad. Sci. (USA)* 83: 3669-3673, 1986.
11. Dorio, R.J., Hoek, J.B., Forman, H.J. and Rubin, E.: The effect of ethanol on superoxide production in alveolar macrophages. In Alcohol and the Cell, Rubin, E., Ed., *Ann. NY Acad. Sci.* 492: 324-326, 1987.
12. Dorio, R. J., Hoek, J. B., Rubin, E. and Forman, H. J.: Ethanol modulation of rat alveolar macrophage superoxide production. *Biochem. Pharmacol.* 37: 3528-3531, 1988.
13. Janes, N., Hsu, J.W., Rubin, E. and Taraschi, T.F.: Nature of alcohol and anesthetic action on cooperative membrane equilibria. *Biochemistry* 31:9467-9472, 1992.
14. Wang, D.-C., Taraschi, T.F., Rubin, E. and Janes, N.: Configurational entropy is the driving force of ethanol action on membrane architecture. *Biochim. Biophys. Acta* 1145: 141-148, 1993.
15. Slater, S.J., Cox, K.J., Lombardi, J.V., Ho, C., Kelly, M.B., Rubin, E., and Stubbs, C.D.: Inhibition of protein kinase C by alcohols and anesthetics. *Nature* 364: 82-84, 1993.
16. Urbano-Márquez, A., Estruch, R., Fernández-Solá, J., Nicolás, J.M., Paré J.C. and Rubin, E. The greater risk of alcoholic cardiomyopathy and myopathy in women compared to men. *J. Amer. Med. Assoc.* 274:149-154, 1995.
17. Rubin, E.: Alcohol Abuse. In: Pathology of Environmental and Occupational Disease. J.E. Craighead, Ed., Mosby Year Book, 1995.
18. PATHOLOGY, Third Edition, Rubin, E. and Farber, J.L., Eds., Lippincott-Raven Co., Philadelphia, Pa., 1998.
19. Mutti, L., Giuseppe, C., Giordano, A., Rubin, E. Carcinogenic Effect of Simian Virus 40 and Asbestos Fibers on Rb Family Proteins and Cell Cycle Machinery of malignant Mesothelioma Cells. Sourcebook on Asbestos Disease, In press.