



COLLEGIUM RAMAZZINI



TOWN OF CARPI

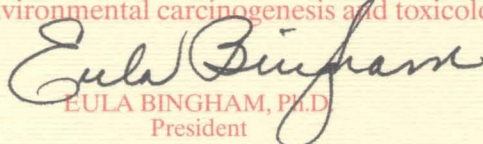
The Collegium Ramazzini and the Town of Carpi are proud to recognize

Doctor  
**J. CARL BARRETT**

as *Ramazzini Award* recipient and *Ramazzini Lecturer* for 1995 for his distinguished scientific contributions to the understanding of the causes and mechanisms of cancer. Over the course of his career, Dr. Barrett has made many notable research contributions that include new insights into the multiple steps of the cancer process, the mechanisms of environmental carcinogens such as asbestos and hormones, the relationship between cellular aging and cancer, and the identification of genes involved in human cancers. Within the last year, Dr. Barrett's laboratory has made two extremely important discoveries. Dr. Barrett and colleagues cloned a new metastasis suppressor gene that suppresses the spread of prostate cancer. This work provides new insights into the mechanisms of metastasis, which usually is the cause of cancer deaths. This discovery may eventually lead to new diagnostic methods for identifying life threatening prostate cancers and novel therapies for this cancer. In 1994 scientists in Dr. Barrett's Laboratory of Molecular Carcinogenesis were members of the team that isolated a breast cancer susceptibility gene, BRCA1. This discovery could lead to effective preventive strategies for women at high risk for breast cancer. In addition, Dr. Barrett is continuing his studies on the mapping and cloning of other novel genes involved in cellular aging and cancer. Dr. Barrett has proposed a new model for cellular senescence based on the finding of multiple pathways regulating this process.

Dr. Barrett graduated from the Johns Hopkins University in 1974 with a Ph.D. degree in biophysical chemistry and acquired his specialty in the fields of genetics, molecular biology, and cell biology. Following a three-year postdoctoral fellowship at Johns Hopkins, he joined the National Institute of Environmental Health Sciences (NIEHS) in 1977. Dr. Barrett has authored or co-authored 270 scientific publications and is an adjunct professor at the University of North Carolina at Chapel Hill in the departments of pathology, epidemiology, toxicology, and genetics and molecular biology. He is also an adjunct senior fellow in the Center for the Study of Aging and Human Development at Duke University Medical Center.

Dr. Barrett is the Scientific Director of the Division of Intramural Research of the NIEHS. While maintaining a very active research program, Dr. Barrett has played a major role in studies of mechanisms of chemical carcinogenesis and in developing new strategies for chemical testing as part of the National Toxicology Program. Dr. Barrett has played a key role in the integration of basic and applied science and has provided leadership resulting in scientific excellence in both areas at the NIEHS. Dr. Barrett is being recognized for both his outstanding scientific accomplishments and his important contributions to the integration of basic and applied research in environmental carcinogenesis and toxicology.

  
EULA BINGHAM, Ph.D.  
President

Washington, DC, November 2nd, 1995

  
CESARE MALTONI, M.D.  
Secretary General

DEMOS MALAVASI  
Mayor of Carpi

