



COLLEGIUM RAMAZZINI



TOWN OF CARPI

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

Doctor

## HERBERT L. NEEDLEMAN

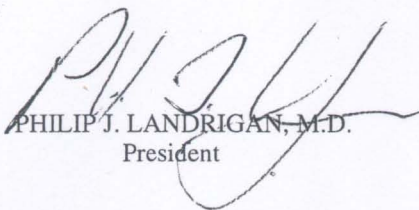
as *Ramazzini Award* recipient and *Ramazzini Lecturer* for 2004.

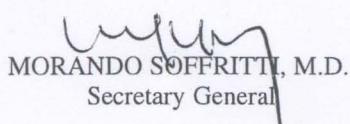
The Ramazzini Award for 2004 is presented to Herbert L. Needleman, M.D., of the School of Medicine of the University of Pittsburgh, USA, in recognition of his life-long work in elucidating the toxicity of lead, in reducing the use of lead in modern society and in reducing by more than 90% the prevalence of lead poisoning in the world's children.

Dr. Needleman is a scientist and advocate. His essential scientific contribution was the discovery that lead produces a range of toxic effects in children at every level of exposure. Through an elegant series of epidemiologic studies, Dr. Needleman found that, even in the absence of clinical symptoms, lead can cause irreversible damage to the brain and nervous system of children, with resulting lifelong loss of intelligence, alteration of behaviour and impairment of health. Dr. Needleman's contribution to health advocacy lies in his extraordinarily effective translation of his research to public policy. He has worked endlessly to protect children against lead poisoning, and for this work he was subjected to vicious and prolonged attacks by the international lead industry. He courageously surmounted those false and malicious vilifications. He and his work were sustained, vindicated and abundantly replicated. His research has now provided the essential foundation for public policy against lead in more than eighty nations.

The Collegium recognizes Dr. Herbert Needleman as a hero of the environmental movement and as an advocate for the health of children worldwide.

Carpi, October 30, 2004

  
PHILIP J. LANDRIGAN, M.D.  
President

  
MORANDO SOFFRITTI, M.D.  
Secretary General

ENRICO CAMPEDELLI  
Mayor of Carpi

