



IN MEMORY OF DR ARTHUR W. ROWE



On April 1, 2025, at the age of 93, the outstanding cryobiologist and member of the Editorial Board of our journal, Dr Arthur Wilson Rowe, passed away.

Arthur W. Rowe was born on September 14, 1931, in Newark, USA. He obtained his bachelor's degree in Biology and Chemistry at Duke University and his PhD in Biochemistry at Rutgers University.

Dr Arthur Rowe was a Professor of Forensic Medicine at the New York University Medical Center, Investigator and Director of Cryobiology at the New York Blood Center, and adjunct Professor of Biology at the State University of New York, Binghamton. He has lectured extensively around the world and published over 200 papers in medical and biological journals.

Prof. Rowe pioneered methods for freezing blood and cell components. His foremost research interests were in cryopreservation of formed elements of blood, primarily red cells, leukocytes, and platelets. He had been involved in research on hematopoietic stem cells derived from cord blood, peripheral blood progenitor cells, and mesenchymal cells isolated from adipose tissue. His groundbreaking work in the cryopreservation of red blood cells laid the foundation for this subject of cryobiology.

While working for the American Red Cross and later at the National Institutes of Health and Walter Reed Army

Institute of Research, he led critical research that transformed how blood products are preserved, transported, and used to save countless lives in both civilian and military settings. His approach was especially used for rare blood types, autologous blood, and blood for transfusion in cases of antibody-related problems. The method he founded has continued to be used for blood storage for over 60 years.

Dr Arthur Rowe was one of the founders of the Society for Cryobiology and the journal *Cryobiology*. He served as treasurer, governor, Vice President, and President (1983–1985) of the Society for Cryobiology. In 2005, his colleagues elected Dr Arthur W. Rowe a Fellow of the Society for Cryobiology and awarded him the prestigious Basil J. Luyet Medal for outstanding contributions to the science and practice of cryobiology.

Also in 2018, the Society for Cryobiology established the annual award «Arthur W. Rowe Award for the best publication in the journal *Cryobiology*». After all, a significant part of his scientific life was associated with this journal. From 1964 to 1969, Dr Arthur Rowe was the abstract editor, then the Associate Editor (from 1969 to 1972), and from 1971 to 1995, he had been the Editor-in-Chief of the *Cryobiology* journal for 24 years.

It is worth noting that Dr Arthur Rowe was well acquainted with the activity of our Institute staff and strongly supported Ukrainian cryobiologists at the international level. In 1992, he visited Kharkiv to participate in the International Conference in Cryobiology and became acquainted with the Institute for Problems of Cryobiology and Cryomedicine of the National Academy of Sciences of Ukraine. In 1992, Dr Arthur Rowe agreed to join the Editorial Board of our journal, that time named as *Problems of Cryobiology*.

The staff of the Institute for Problems of Cryobiology and Cryomedicine of the National Academy of Sciences of Ukraine and the Editorial Board of the *Problems of Cryobiology and Cryomedicine* journal are deeply grieving the severe loss and expressing our sincere condolences to the family and beloved ones of Dr Arthur W. Rowe.

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