

The Author

Dr. Collins received his Baccalaureate Degree in Chemistry from Wayne University and his Doctorate in Organic and Physical Chemistry from the University of Wisconsin. After employment at General Motors Research, Central Research at E. I. DuPont and Sterling Winthrop Research Institute, he accepted a position at Illinois Wesleyan University as Associate Professor and Chairman of the Chemistry Department. In 1967, he returned to Sterling Winthrop to direct Medicinal Chemistry Research and then Technical Affairs for Sterling Drug Corporation until 1987 when he retired to devote full time to his driving interest in the role of water in living cells.

He has a number of publications and patents to his credit and has had a synthetic organic reagent which he developed at Illinois Wesleyan University "The Collins Reagent" named after him. It was while he was employed at Sterling Winthrop Research Institute the first time that he found, in an extensive molecular model building program, that the lengths of regulator and drug molecules corresponded to relatively distinct dimensional groups and then, at Illinois Wesleyan University, that the dimensions corresponded to linear hydrogen-bonded elements of water molecules. To explain these observations, he developed the concepts of Transient Linear Hydration and Cubic Hydration Patterning and used them to develop membranal receptor models and new drugs at Sterling Winthrop Research Institute. Since he was unable to get articles accepted for publication in reputable journals, he published the proposals in the three books listed below and in three web sites: www.linearwater.com, www.proteinhydration.com and www.molecularcreation.com.

Questions and comments can be addressed to the author at molepres2000@aol.com.

First edition: "***The Matrix of Life***"
published in 1991. ISBN 0-9629719-0-1
Library of Congress Catalog Card
Number 91-90379

Second edition: "***Water: The Vital Force of Life***"
published in 2000. ISBN 0-9629719-2-8
Library of Congress Catalog Card
Number 00-90325

"***Biomolecular Evolution from Water to the Molecules of Life***" published in 2013.
ISBN 978-1-6192742-1-1

Custom Physical model-building was performed with Framework Molecular Model Parts[®] (Prentice Hall, Englewood Cliffs, NJ 07632). Computerized model building and energy calculations were performed on Apple[®], Macintosh[®] and Dell[®] computers using an Adobe[®] Illustrator[®] program and several available programs to perform energy calculations.