

ALLERGY, JOKE

ALLERGY RESEARCH FAILED FROM THE BEGINNING

4.04.2021

I have been asked why allergy research is so much dominated by quack research with an obsession to strange research areas like risk by use of [toilet paper](#) or protection by [cow shit](#).

I don't know the answer. Maybe every "researcher" can immediately get a paper published?

The field has been spoiled since I worked in this area - here is a never retracted [paper on the effect of molecules in water](#) below the Avogadro limit...

816 SCIENTIFIC PAPER NATURE VOL. 333 30 JUNE 1988

Human basophil degranulation triggered by very dilute antiserum against IgE

E. Davenas, F. Beauvais, J. Amara*, M. Oberbaum*, B. Robinzon†, A. Miadonna‡, A. Tedeschi‡, B. Pomeranz§, P. Fortner§, P. Belon, J. Sainte-Laudy, B. Poitevin & J. Benveniste*

INSERM U 200, Université Paris-Sud, 35 rue des Carmes, 92140 Clamart, France

* Ruth Bina Ari Institute of Clinical Immunopathology, Kaplan Hospital, Rehovot 76100, Israel

† Department of Animal Sciences, Faculty of Agriculture, P.O. Box 12, The Hebrew University of Jerusalem, Rehovot 76100, Israel

‡ Department of Internal Medicine, Infectious Diseases and Immunopathology, University of Milano, Ospedale Maggiore Policlinico, Milano, Italy

§ Department of Zoology and Physiology, Ramsay Wright Zoological Laboratories, University of Toronto, 25 Harbord Street, Toronto, Ontario M5S 1A1, Canada

¶ To whom correspondence should be addressed.

When human polymorphonuclear basophils, a type of white blood cell with antibodies of the immunoglobulin E (IgE) type on its surface, are exposed to anti-IgE antibodies, they release histamine from their intracellular granules and change their staining properties. The latter can be demonstrated at dilutions of anti-IgE that range from 1×10^{-9} to 1×10^{-10} ; over that range, there are successive peaks of degranulation from 40 to 60% of the basophils, despite the calculated absence of any anti-IgE molecules at the highest dilutions. Since dilutions need to be accompanied by vigorous shaking for the effects to be observed, transmission of the biological information could be related to the molecular organization of water.