

Chapter 1 : Formats and Editions of Annual review of immunology [calendrierdelascience.com]

William E. Paul, Editor of the Annual Review of Immunology, discusses his work in immunology, including how the works of Michael Heidelberger sparked his initial interest in the field, as well as his tenure at the NIH.

For personal use only. Crick F, Watson J. A structure for deoxyribose nucleic acid. Lapresle C, Durieux J. Protein chromatography on ion exchange cellulose. Chromatography of serum proteins in normal and pathologic sera. Proteins, Amino Acids and Peptides. An Account of Research in its Laboratories and Clinics. Some immunochemical differences between associated and dissociated hemocyanin. The properties of thyroglobulin. The immunologic activity of thyroglobulin fragments. Physical chemical studies of soluble antigenantibody complexes. The valence of precipitating rabbit antibody. The fluid mosaic model of the structure of cell membranes. Affinity labeling—a general method for labeling the active sites of antibody and enzyme molecules. Affinity labeling of the active sites of antibodies to the 2,4-dinitrophenyl hapten. Miller F, Metzger H. Characterization of a human macroglobulin. The molecular weight of its subunit. Ashman RF, Metzger H. Waiting for the end. Cold Spring Harbor Symp. The Specificity of Serological Reactions. The antigen receptor problem. The effect of antigen binding on the properties of antibody. The hydrolysis of rabbit gamma -globulin and antibodies with crystalline papain. A search for conformational change on ligand binding in a human M macroglobulin. Circular dichroism and hydrogen exchange. Isolation and characterization of C1q, a subcomponent of the first component of complement, from human and rabbit sera. In vitro studies of human reagenic allergy. Ishizaka K, Ishizaka T. IgE and reagenic hypersensitivity. Basophilic leukaemia in the albino rat and a demonstration of the basopoietin. Transplantable immunoglobulin-secreting tumours in rats. Sixty-three IgE-secreting immunocytoma tumours. Isolation of IgE from reagenic rat serum. The interaction of IgE with rat basophilic leukemia cells. Evidence for specific binding of IgE. Polypeptide chain structure of rabbit immunoglobulins.

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Abstract. Each of us is a story. Mine is a story of doing science for 60 years, and I am honored to be asked to tell it. Even though this autobiography was written for the Annual Review of Immunology, I have chosen to describe my whole career in science because the.

For personal use only. When I was asked by Leon Rosenberg M. Imagine my surprise when I found Vincent Marchesi, the Chairman of Pathology, sitting in his office with him! I thought this was going to be a chat with the Dean, but it turned into a diatribe by him against me and my behavior, and a set of demands that would have ended Immunology as an independent subject at Yale Medical School, and within the University as well. After this, Vin asked me to have a cup of coffee with him in the medical school cafeteria, where he laid it on even thicker than Lee Rosenberg had. I was further stunned. I felt as if I had just been put through a car wash without a car to protect me from all the blistering that I had undergone. I did so, and they reacted with horror at the idea of our group becoming part of Pathology with no independence at all. When I went back to Lee Rosenberg, I told him that there was no enthusiasm for his idea about the immunology program, which at that time consisted of several investigators, as well as joint appointees Nancy Ruddle, Ph. We all felt that we could not work with the Pathology Department any longer, and we wanted our own department. It is a tribute to his intellect, which is formidable, that he came to the latter conclusion. He was driven to this by an HHMI site visit shortly thereafter which consisted of people that he had to respect: Most of them were already in the National Academy of Sciences. This site visit told him he was off the mark in melding immunology into pathology, and to give him his due, he listened. I know because he called me the next day at my home it must have been a Saturday, and he screamed at me for the better part of an hour, accusing me of setting him up with my friends. Nothing could be farther from the truth. I had carefully hidden my difficulties with Dean Rosenberg from my friends on the site visit team. They were stunned by his complaints that I was being resistant to his wishes. In any case, he calmed down and invited me to have lunch with him a few weeks later, at which he proposed the formation of a Section of Molecular Immunobiology, which I said was fine. He also said that he had appointed a close friend to head the search for a new chair whom he said was the best immunologist he knew. This turned out to be wide of the mark, but the basic idea seemed to me a lot better than the alternative, as long as the Immunobiology was an equal partner with the Molecular. We shook hands over that and ended our lunch. It later proved necessary to have lunch with him again, this time with all of my colleagues backing me up, to complain that his friend was not running a satisfactory search for a chair of our new section. He was, in fact, looking in the wrong places, and even scheduling seminars in rooms in which classes were taking place. In fact, we were able to point this out to Dean Rosenberg right after lunch, when a candidate for the job 5 Feb

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