







The Cause of Autoimmune and Allergic Diseases

by

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4/F, Academic 1

City University of Hong Kong

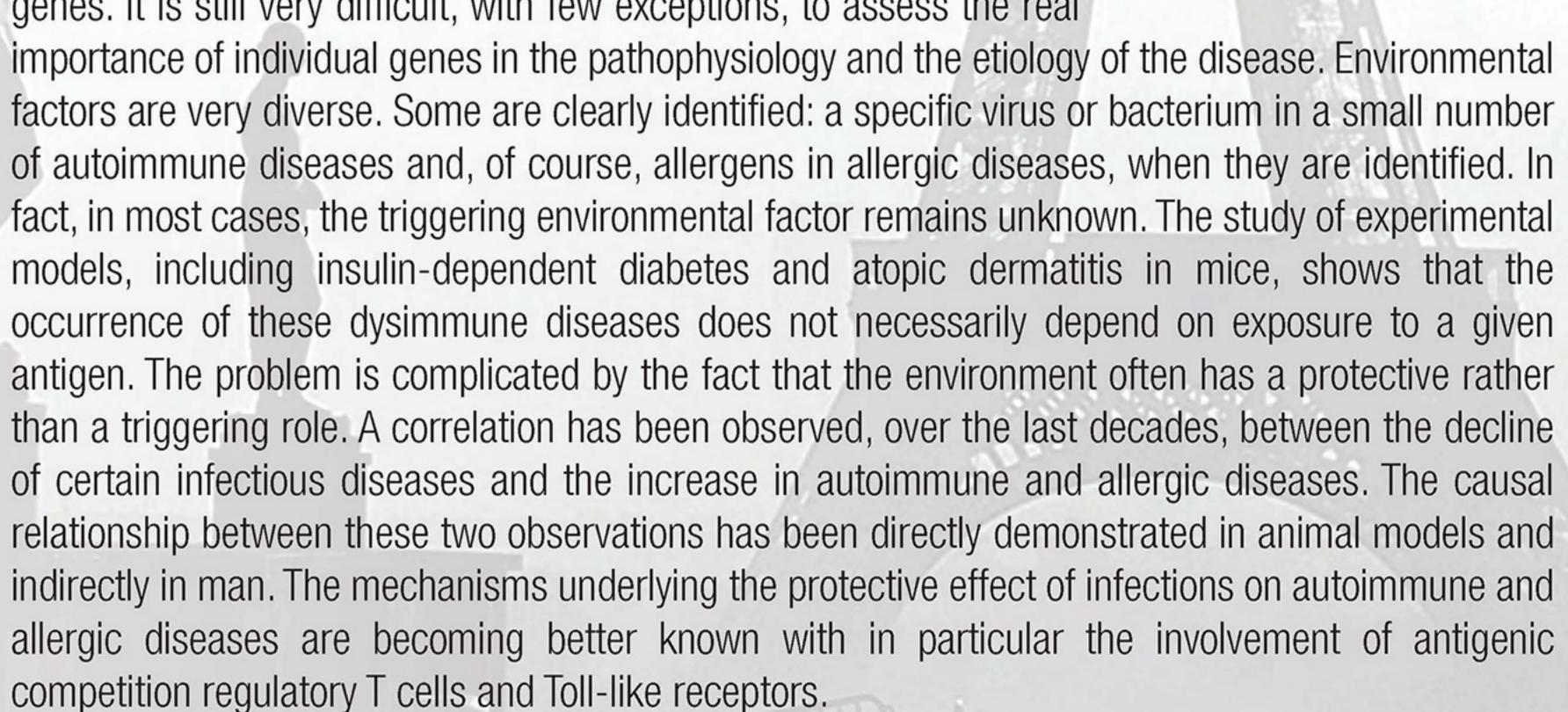
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Abstract:

Autoimmune and allergic diseases show an increased incidence worldwide, especially in developed countries. There is no single cause for these diseases but a combination of genetic and acquired predisposing factors. Genetic determinism is complex involving many genes. It is still very difficult, with few exceptions, to assess the real



The situation has recently evolved with the demonstration that autoimmune and allergic diseases are often associated with abnormal composition of the intestinal microbiota. Then, hygiene conditions taken in the wide sense affect the gut microbiota as previously shown for occurrence of infections. The problem is posed of the respective role of commensal and pathogenic bacteria in dysimmune diseases. A possible common mechanism could be TLR stimulation by bacterial ligands contained in both types of bacteria.

It is hoped that a better understanding of these genetic and environmental phenomena will better explain the nosology and pathophysiology of these diseases. They should also allow the discovery of new treatments that will be more then just symptomatic and could, at best, generate a new avenue for the prevention of these diseases which now represent a major health burden.

