



What is food allergy and how can we solve it?

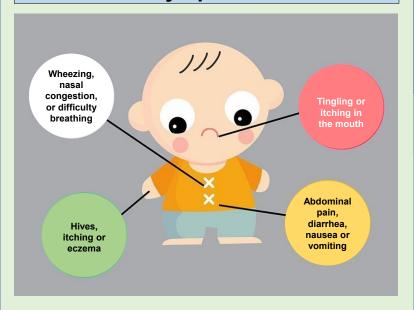
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Food Allergy

An immune system reaction that occurs shortly after eating certain foods:



Symptoms

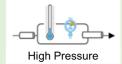


Allergen-specific IgE antibodies bound to mast cells Release of vasoactives (e.g. histamine) within seconds to minutes

Food Processing Techniques for the reduction of food allergens

Physical Treatments







Biochemical Treatments





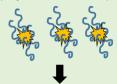
Proposed New Strategy to Reduce Soy
Allergens in Soymilk:
Protein-Polysaccharide Complexation





Polysaccharides

Protein-polysaccharide Complexation



Centrifugation to remove the bound soy allergens from the soymilk

What is in the Future?
To analyze the cause and the mechanism of food allergic reactions in our digestive system

