

2nd International Conference on **LUNG DISEASES**

August 27, 2021 | Webinar

Evodiamine abrogates airway inflammation in a murine model of ovalbumin-induced allergic asthma: a mechanistic approach via regulating ppar γ pathway**Linda Jeeva Kumari***Anna University, Tamil Nadu, India*

You develop allergies when your immune system overreacts to the presence of a harmless substance called an allergen. Some people may develop breathing problems from inhaling allergens. This is known as allergic asthma. It occurs when the airways swell as part of an allergic reaction. To treat your asthma, your doctor may prescribe inhaled anti-inflammatory medication or oral medications that help block the allergic response. A fast-acting relief inhaler, such as albuterol (ProAir HFA, Proventil HFA, Ventolin HFA) is best used to treat asthma symptoms when they occur and may be the only medication needed if you have intermittent symptoms. If you have mild persistent asthma symptoms, inhalers may be prescribed for daily usage. Examples of these include Pulmicort, Asmanex, and Serevent. Allergy treatment depends on the severity of your symptoms. You may need an antihistamine to deal with classic allergy symptoms such as itching. You might also need allergy shots if your symptoms are more severe. Allergic asthma attacks aren't always preventable. However, you may be able to make them less frequent by changing your environment. The immune system is spread throughout the body and involves many types of cells, organs, proteins, and tissues. Crucially, it can distinguish our tissue from foreign tissue — self from non-self. Dead and faulty cells are also recognized and cleared away by the immune system. If the immune system encounters a pathogen, for instance, a bacterium, virus, or parasite, it mounts a so-called immune response. Later, we will explain how this works, but first, we will introduce some of the main characters in the immune system.

Biography

Akinsola has completed her M.Sc and commenced PhD at the age of 31years from Anna University, Tamil Nadu, India

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