Masterclass

Pleiotropic role of IL-5 across diseases

Background

IL-5 directly involves and affects several target cells, including eosinophils and B cells, inducing cell proliferation, survival and differentiation, making it a key factor in the inflammatory process in asthma, CRSwNP, EGPA and HES. Understanding this inflammatory phenomenon and its specific treatment options is essential for the management of patients and their comorbidities.
This webinar will comprehensively address the full complexity of IL-5 and its mechanism of action.

Wednesday 18th October 2023
Live-streamed at 5PM CET

Thursday 19th October 2023
Recorded session at 9AM CET

Pre-Recorded presentations with live moderation, interactive audience Q&A and polling

Chair: Prof. Vibeke Backer (Denmark)

Learning Objectives

- To develop the concept of immune response and its mechanisms
- To put the focus in IL-5 as a modulator of response
- To understand the biological effects of IL-5 and the broader role beyond eosinophilic inflammation
- To link Type 2 inflammation with respiratory diseases
- To interpret the mechanism of action of biologics

Welcome

Lecture 1: Prof. Philippe Gevaert - What do we talk about when we talk about IL-5? (20 minutes)

- Past and present of our knowledge about IL-5
- IL-5 as a modulator of our acquired immune response
- Eosinophils and Type 2 inflammation

Q A extra 10 minutes

Lecture 2: Prof. Vibeke Backer - IL-5: the multi-causal nexus (20 minutes)

- Respiratory field – Asthma, and CRSwNP

Q A extra 10 minutes

Lecture 3: Prof. Ian Pavord - IL-5: A Key Target in Type 2 Disease (20 minutes)

- Understanding the mechanism of action
- Severe/refractory asthma – Putting the focus on decreasing the burden of the disease
- Severe/refractory CRSwNP
- IL-5 vs. IL-5R
- Future perspectives

Q A extra 10 minutes

Summary and concluding remarks

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