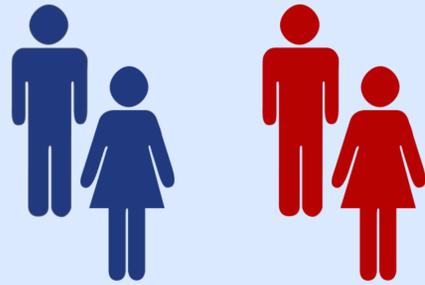


Study subjects

AD patients

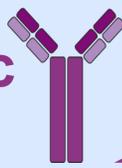


Acute itch flares

-

+

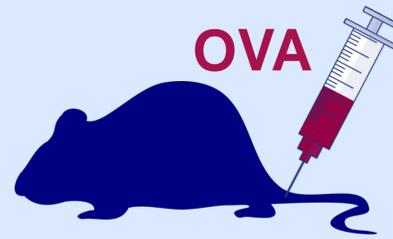
specific IgE



Study design

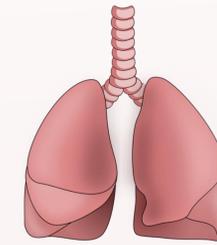
AD-like disease OVA sensitized

Sash -/-
Bas-TRECK
Anti-CD200R

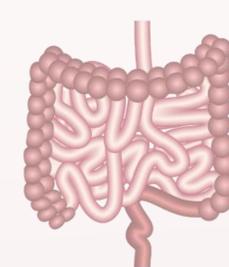


Acute itch?

Does a chronically inflamed environment promote basophil neuronal communication?



Allergic asthma/rhinitis

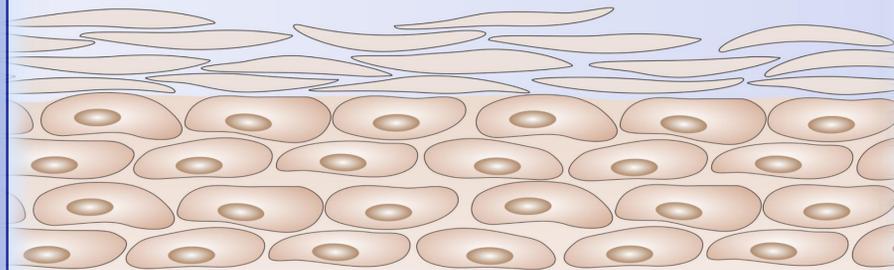


Food allergy

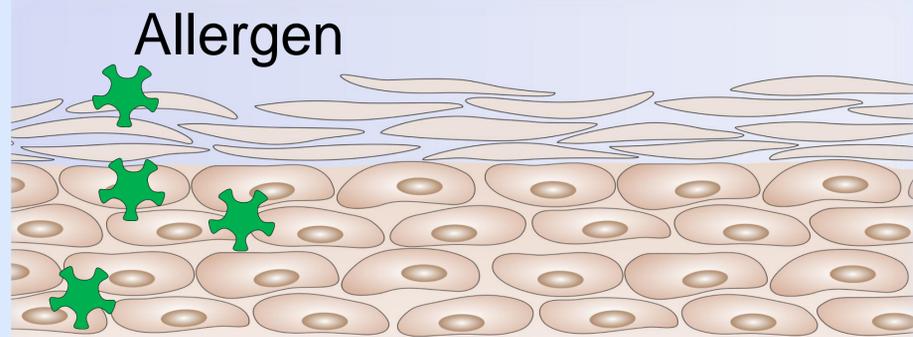
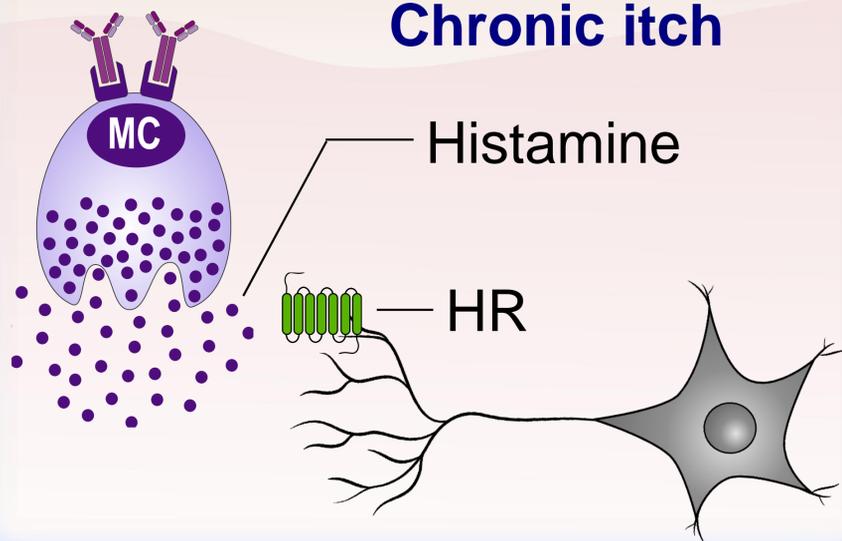


Chronic urticaria

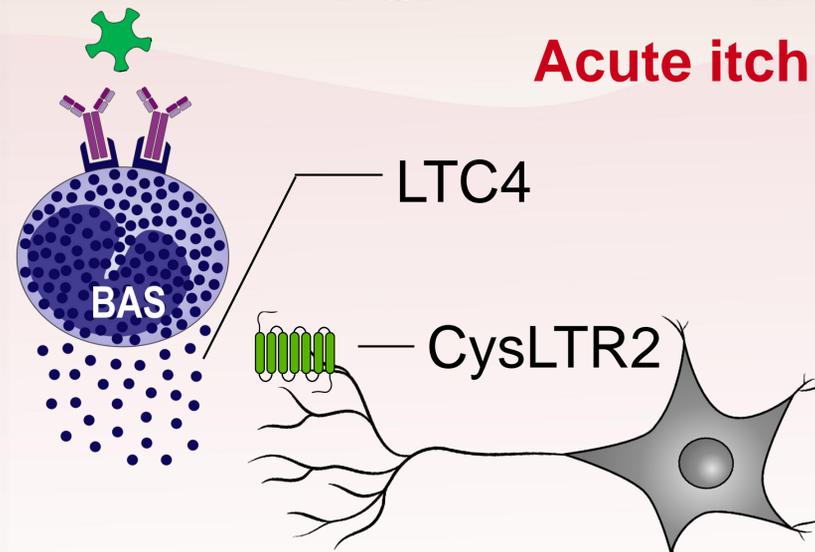
Disrupted skin barrier



Chronic itch



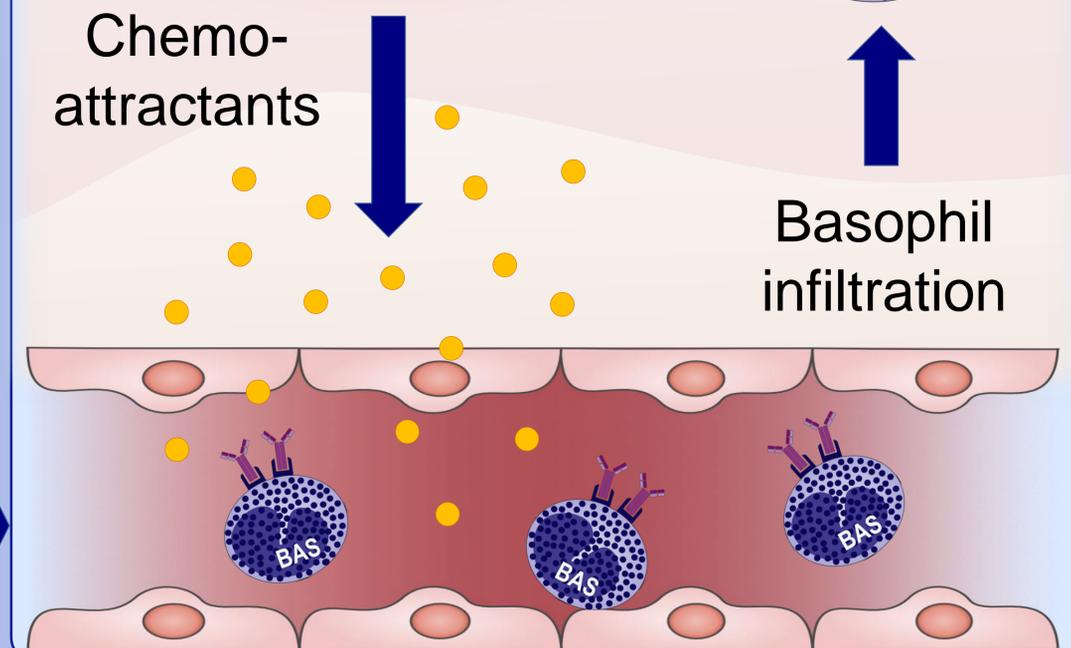
Acute itch



Basophil LTC4-CysLTR2 acute itch axis

Chronically inflamed environment
(e.g., continuous allergen exposure)

Chemo-attractants



Basophil infiltration