ALLERGY, VITAMINS

T_S_L_P

14.05.2009

SPQR (is not necessary to be remembered) but certainly TSLP – at least if you are interested in allergy research (see the discussion here 2 years ago) when we knew from a PNAS paper that topical vitamin D3 induces thymic stromal lymphopoietin and triggers atopic dermatitis (in mice). Now there is an update – TSLP even mediates the progression to experimental asthma

> vitamin D3 … not only triggers AD as we previously reported but also aggravates experimental allergic asthma induced by ovalbumin sensitization and challenge. Our study, which provides a mouse model to study human “atopic march

will be continued after Monday, 18th May 2009 * 5PM PACIFIC / 8PM EASTERN TIME…

Addendum

when the embargo ended on a new PLoS paper

> Here we show that, like humans with AD, mice with skin-barrier defects develop AD-like skin inflammation and are susceptible to allergic asthma. Furthermore, we show that thymic stromal lymphopoietin (TSLP), overexpressed by skin keratinocytes, is the systemic driver of this bronchial hyper-responsiveness.