

**Type 3 innate lymphoid cells: Guardians of epithelial barriers**

1. Type 3 innate lymphoid cells (ILC3) are key players in tissue protection after acute intestinal damage. (*This thesis*)
2. ILC3-derived IL-22 contributes to maintenance of Lgr5<sup>+</sup> intestinal stem cells after cytostatic insult. (*This thesis*)
3. Activation of epithelial STAT3 after damage can occur independently of IL-22. (*This thesis*)
4. Functional activation of intestinal ILC3 requires two signals. (*This thesis*)
5. Cryptopatch and lamina propria ILC3 are functionally distinct. (*This thesis*)
6. ILC3 can give rise to ILC1 under environmental clues present in the inflamed intestine.  
*Immunity. 2015 Jul 13. pii: S1074-7613(15)00263-0*
7. ILC3 represents a fundamental source of GM-CSF required for the microbiota-APC crosstalk in intestinal homeostasis.  
*Science. 2014 Mar 28;343(6178):1249288*
8. MHCII<sup>+</sup> ILC3 are present in the intestinal tract of IBD patients and ILC3-targeting strategies could represent a novel treatment for IBD patients  
*Science. 2015 May 29;348(6238):1031-5*
9. *In vitro* culture of organoids will allow for personalized therapy design.  
*Cell. 2015 May 7;161(4):933-45.*
10. The numbers are where the scientific discussion should start and not end.  
*Nature. 2014 Feb 13;506(7487):150-2*
11. Open access publications are crucial for the globalization of scientific research.