Propositions for the PhD dissertation

Stage-dependent functions of GATA-3 in lymphocyte lineage determination and type-2 immunity

1. Transcription factor GATA-3 works in concert with Notch1 to orchestrate thymocyte maturation at the pro-T cell stage.

2. GATA-3 is a critical suppressor of a latent B cell potential in pro-T cells and thus serves to seal Notch-induced T cell development.
   This thesis

3. Analogous to T helper 2 cells, group 2 innate lymphoid cells are major producers of IL-5 and IL-13 in murine models of allergic asthma.
   This thesis

4. GATA-3 is a critical regulator of group 2 innate lymphoid cell development and acts in a dose-dependent manner.
   This thesis and Hoyler et al., Immunity 2012

5. Enforced expression of GATA-3 is sufficient to increase susceptibility to eosinophilic inflammation after exposure to a mild dose of inhaled allergens.
   This thesis

6. Local GATA-3 inhibition may be a more promising novel therapy for allergic asthma than antibodies directed against effector cytokines.

7. Politicians should encourage students to travel and cross borders, as journeys off the beaten track often lead to the most surprising insights.

8. Le hasard ne favorise que les esprits préparés (Chance favors the prepared mind).
   Louis Pasteur

9. To bridge the gap between laboratories and clinical practice, society needs physicians that are fluent in more than one language.

10. Since finding an apartment in Paris is easier than getting the paperwork done for a Dutch-French PhD, there is a need for European regulation that facilitates joint PhD programs.

11. Society needs curious researchers and idealistic policy makers that realize that they need each other, as understanding mechanisms of disease may not cure our diseases now, but will provide insights that change the world for the next generation.

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