

Bio sketch - NRS

Name: Ben Marsland

Address details:

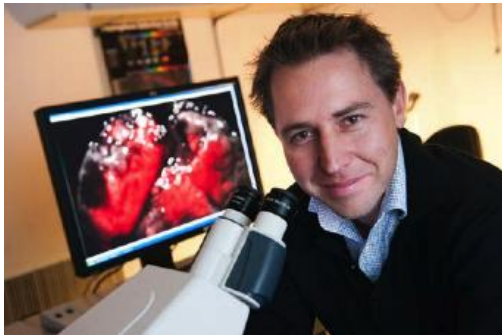
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Participants' expertise (max ½ A4):

Having completed his PhD in Immunology at the Malaghan Institute of Medical Research, Wellington, New Zealand in 2003, Prof. Marsland moved to Zürich where he was a post-doctoral fellow and then senior scientist at the ETH. After being awarded a Cloëtta Medical Research Position in 2009 he started his own laboratory as an Assistant Professor at the University Hospital Lausanne (CHUV) as part of the Faculty of Biology and Medicine. Currently, Prof. Marsland is an Associate Professor and has research interests focused upon the cellular mechanisms underlying the early origins of chronic lung diseases, and the role host-microbe interactions play in the development and maintenance of lung inflammation. Prof. Marsland's laboratory takes a translational science approach with 50% of the laboratory working on human cohorts and samples, with the other 50% using mechanistic mouse models of disease.

Key publications (1-5):

1. Marsland, B.J. and E.S. Gollwitzer, *Host-Microbe interactions in lung disease*. **Nature Reviews Immunology**, 2014. December. 2014 Nov 25;14(12):827-35.
2. Gollwitzer, E.S., S. Saglani, A. Trompette, K. Yadava, R. Sherburn, K.D. McCoy, L.P. Nicod, C.M. Lloyd, and B.J. Marsland, *Lung microbiota promotes tolerance to allergens in neonates via PD-L1*. **Nature Medicine**, 2014.
3. Trompette, A., E.S. Gollwitzer, K. Yadava, A.K. Sichelstiel, N. Sprenger, C. Ngom-Bru, C. Blanchard, T. Junt, L.P. Nicod, N.L. Harris, and B.J. Marsland, *Gut microbiota metabolism of dietary fiber influences allergic airway disease and hematopoiesis*. **Nature Medicine**, 2014. **20**(2): p. 159-66.
4. Herbst T, Sichelstiel A, Schär C, Yadava K, Bürki K, Cahenzli J, McCoy K, Marsland BJ, Harris NL. **Am J Respir Crit Care Med**. 2011 Jul 15;184(2):198-205.
5. Nembrini C. et al. Bacterial-induced protection against allergic inflammation through a multicomponent immunoregulatory mechanism. **Thorax**. 2011 Sep;66(9):755-63. doi: 10.1136/thx.2010.152512.