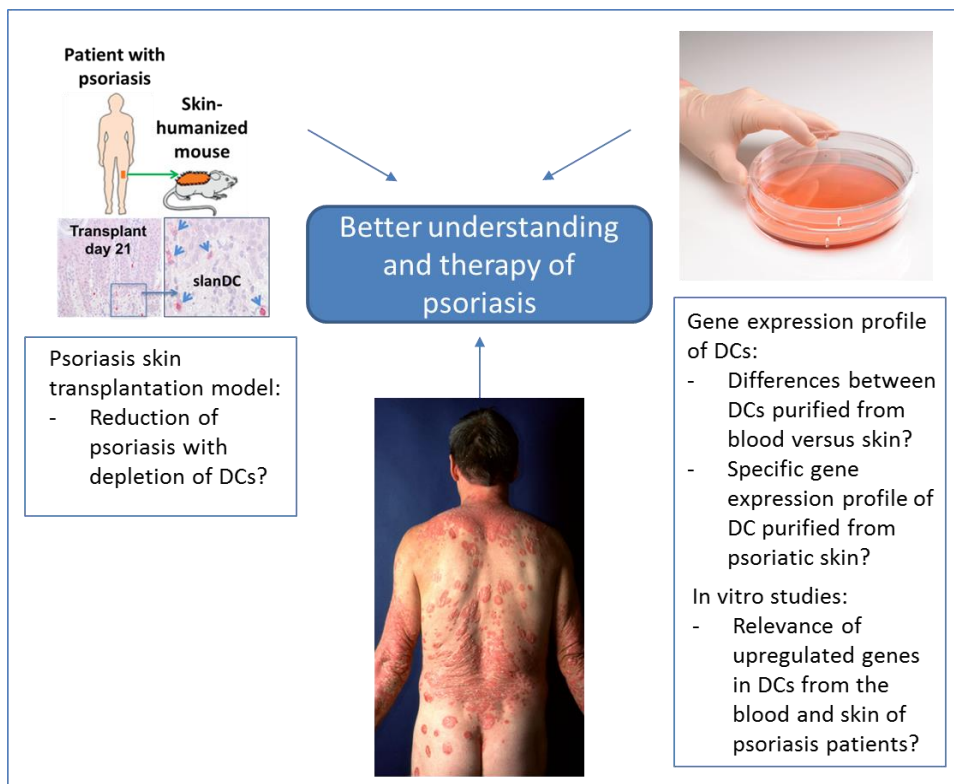


Myeloid Dendritic cells (DCs) and the immunopathogenesis of psoriasis. Adapted from Nestle et al. 2009 New Engl J Med, *with modifications. The term TipDCs (TNF- α and iNOS expressing DC) is by its definition a functional description of dermal DC introduced by the Krueger group (Lowes et al. PNAS 2005). The population of TipDCs partially matches with that of slanDCs; a DC population identified by the molecular marker 6-sulfo LacNAc (slan) (Schäkel et al. Immunity 2006, Hänsel and Günther et al. JACI 2011)



Work program. For the better understanding of psoriasis and the development of new therapies three different approaches will be used. Psoriasis skin transplantation models and in vitro studies with DCs will be supplemented by mRNA expression studies of DCs and microanatomic studies on psoriasis skin lesions.