primary keratinocytes: transfection of pDNA

Fig. 1: Overexpression of GFP in primary human keratinocytes after plasmid (pE-YFP-N1) transfection with Viromer® RED

- Standard protocol for adherent cells in 6-well plate (seeding: 200,000 cells/well)
- Change of medium before transfection
- Read-out FACS and microscopy: 24h post-transfection

Data from M. Podgórska & S. Smola, University Hospital Homburg/Saar (Germany)
primary keratinocytes: transfection of pDNA

Publications

Mouse primary keratinocytes in co-culture with melanocytes >> influence of keratinocytes in the microenvironment of melanocytes during melanoma genesis


![H control P-cad-GFP transfected](image)

Mouse primary keratinocytes in skin cancers

**Li, Y et al. 2017** "Hmga2 translocation induced in skin tumorigenesis." *Oncotarget* 8.18: 30019.

![Graph](image)

Human keratinocytes from neonatal foreskin >> functional studies

**McCormack JJ et al. 2017** - "The scaffold protein Ajuba suppresses CdGAP activity in epithelia to maintain stable cell-cell contacts." *Nature communications* (7:9249) DOI:10.1038/s41598-017-09024-4

**Erasmus JC et al. 2016** - "Defining functional interactions during biogenesis of epithelial junctions." *Nature communications* (7:13542) DOI:10.1038/ncomms13542
Mouse primary keratinocytes in skin cancers
>> shRNA-mediated KD of ROCK1 gene

Li, Y et al. 2017 "Hmga2 translocation induced in skin tumorigenesis." Oncotarget 8.18: 30019.

Figure 3: The inhibition of Hmga2 translocation is through ROCKs.
(H and I) Hmga2 expression in the KCs with mock and ROCK1 knock-down. Nuclei were stained using Hoechst33342, Hmga2 green (n = 3).