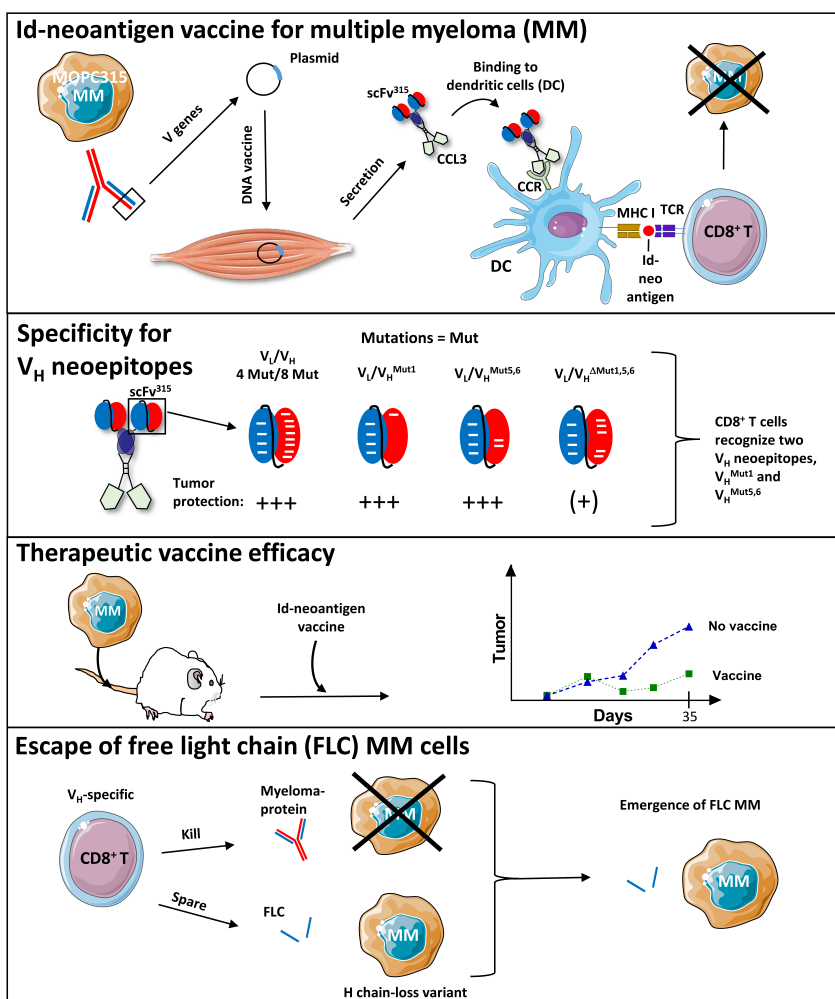


Id-neoantigen vaccine induces therapeutic CD8⁺ T cells against multiple myeloma: H chain-loss escapees cause FLC MM



Authors

Marita Westhrin, Jana Blazeovski, Ana Textor, Pegah Abdollahi, Ramakrishna P. Gopalakrishnan, Linda T. Ngo, Peter O. Hofgaard, Julia Heinzlbecker, Sonja Bobic, Even Fossum, Heidi C. L. Spång, Ranveig Braathen, Bjarne Bogen

Correspondence

bjarne.bogen@medisin.uio.no and
Ranveig.Braathen@medisin.uio.no

In Brief

- A DC-targeted DNA vaccine induces V_H-specific CD8⁺ T cells with therapeutic efficacy against MOPC315 multiple myeloma
- CD8⁺ T cells are specific for neoantigenic V_H-sequences
- V_H-specific CD8⁺ T cells cause emergency of free light chain (FLC)-producing MM cells that have lost production of H chains