

## **Project Summary**

### **John Hansen Research Grant 2020**

#### **Exploiting SLAMF7 self-interactions to provide additional co-stimulation to CAR T cells against multiple myeloma**

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SLAMF7 is a receptor highly expressed on multiple myeloma (MM) while low expression is found on CD8+ T cells. In this project it is proposed to develop a chimeric receptor that exploits the continuous but weak SLAMF7 interactions between CD8+ T cells themselves and between CD8+ T cells and MM to provide additional co-stimulation to therapeutic CAR T cells and improve their persistence and anti-tumor function in vivo.