

# Medical Microbiology and Immunology

## MMI 291 Seminar



### Jonah B. Sacha, Ph.D.

*Vaccine & Gene Therapy Institute and  
Oregon National Primate Research Center  
Oregon Health & Science University*

Friday, November 18, 2016

Genome and Biomedical Sciences Facility, Auditorium Room 1005

12:10 PM – 1:00 PM

**“A full MHC-matched macaque model of allogeneic stem cell transplantation to understand mechanisms of HIV cure in Timothy Brown”**

**Research work:** The Sacha laboratory aims to identify novel immune responses and therapeutic approaches for use in prophylactic HIV vaccines and HIV-remission inducing treatments. The lab is engaged in the following areas of research: Non-classical T cells, Allogeneic stem cell transplantation and negative checkpoint inhibitors.

**Publication references:**

***Cross-Species Rhesus Cytomegalovirus Infection of Cynomolgus Macaques.*** PLoS Pathog. 2016 Nov 9;12(11):e1006014. doi: 10.1371/journal.ppat.1006014.

***Natural Killer Cell Evasion Is Essential for Infection by Rhesus Cytomegalovirus.*** PLoS Pathog. 2016 Aug 31;12(8):e1005868. doi: 10.1371/journal.ppat.1005868.

***Broadly targeted CD8<sup>+</sup> T cell responses restricted by major histocompatibility complex E.*** Science. 2016 Feb 12;351(6274):714-20. doi: 10.1126/science.aac9475.