



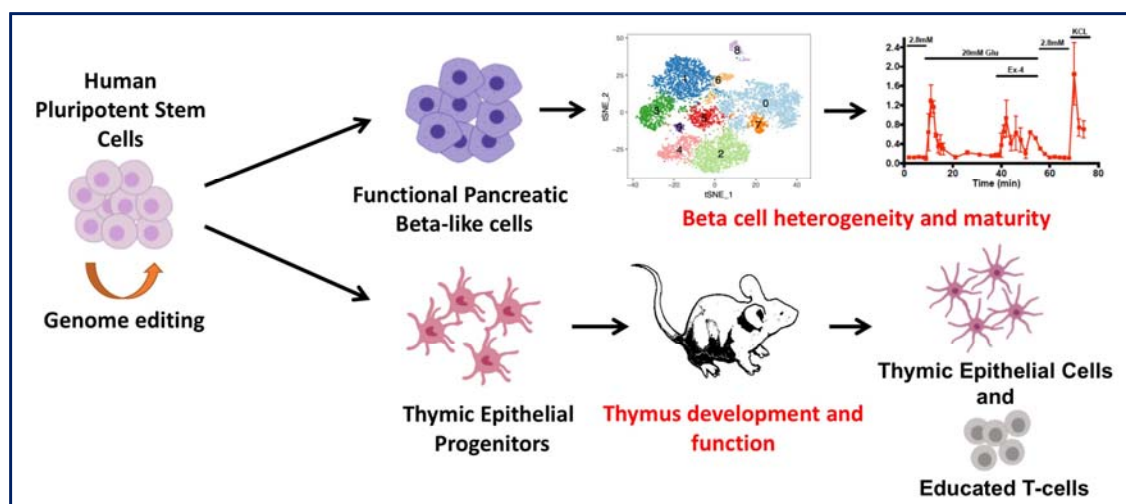
## Holger Russ, *Ph.D.*

Assistant Professor  
University of Colorado Anschutz Medical Campus  
Barbara Davis Center for Diabetes

**Monday, January 13**  
**12:15 pm – 1220 MRBIII**

### “Stem cell–derived pancreatic beta cells & thymic epithelium for basic research & cell therapy”

- Directed differentiation from iPSC into functional endodermal tissues, pancreas & thymus, for basic research & cell-replacement therapy
- Genome-engineering to understand type I diabetes development in a strictly human context
- Stem cell–derived Insulin<sup>+</sup> cells are highly heterogeneous, present as discrete cell populations
- “Most mature” beta-like cells are being isolated & studied
- Studying patient-specific thymic cells similar to cells in human neonatal thymi



Host: **Chris Wright, D. Phil.**

**Sponsored by the Program in Developmental Biology and Center for Stem Cell Biology**

*in association with the Department of Cell and Developmental Biology Monday Seminar Series*