

# CARNEGIE MELLON UNIVERSITY

## BME 2022 FALL SEMINAR SERIES

### On the road to Emmaus, I ate some sugar...: A translational medicine journey for novel therapies to treat diabetes



#### PRESENTED BY

##### **Nick Giannoukakis**

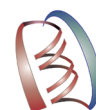
Adjunct Associate Professor  
Institute of Cellular Therapeutics  
Allegheny Health Network

#### SCHEDULE

**PH 100**

**Thursday,  
September 8, 2022  
(10:15AM-11:15AM)**

The presenter will guide the participants on a journey of how his laboratory has leveraged mechanisms of immune tolerance to prevent and treat type 1 diabetes mellitus including cell and nanoparticles, excursions into finding ways to short circuit cells of the innate arm of the immune system to improve insulin sensitivity in type 2 diabetes and prevent associated liver pathology. His presentation is aimed at facilitating insight that type 1 and type 2 diabetes overlap and intersect on an immune continuum defined by endotypes. This is the basis of new research that could define patient-specific treatment and management approaches in the short term and in the future.



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ENGINEERING**  
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