

**CATER Seminars Fall 2020**

**Course Directors: Satdarshan (Paul) Monga, MD and Andrew Duncan, PhD**

**Course Teaching Format: Lectures**

**Research Seminar: Regenerative Medicine BIOENG3760 / MSCMP3760**

<b>Date</b>	<b>Start</b>	<b>End</b>	<b>Location</b>	<b>Presenter</b>	<b>Host</b>	<b>Topic</b>	<b>Facilitators</b>
<b>Aug. 28 2020</b>	<b>12:00 PM</b>	<b>1:00 PM</b>	<b>Zoom</b>	<b>Nicole Martucci</b>	<b>Ernesto Bedoy</b>	<u>Student Presentation:</u> "Hepatocyte-specific Deletion of Integrin Linked Kinase (ILK) Promotes an Increase in Hepatic Nuclear Phosphoinositide 3-Kinase Delta (PIK3Cδ)"	<b>Drs. Duncan &amp; Monga</b>
<b>Sept. 4, 2020</b>	<b>12:00 PM</b>	<b>1:00 PM</b>	<b>Zoom</b>	<b>Dr. Mo Ebrahimkhani</b>	<b>George Gabriel</b>	<u>Faculty Presentation:</u> "Synthetic morphogenesis of human pluripotent stem cells : The roadmap to integrate synthetic biology with regenerative medicine"	<b>Drs. Duncan &amp; Monga</b>
<b>Sept. 18, 2020</b>	<b>12:00 PM</b>	<b>1:00 PM</b>	<b>Zoom</b>	<b>Dr. Denver Faulk and Dr. Zariel Johnson</b>	<b>Dr. Duncan</b>	<u>Professional Development Presentation:</u> Dr. Denver Faulk- "Life at a Biotech Start-up Company" Dr. Zariel Johnson- "My Path from Research to Digital Health Commercialization."	<b>Drs. Duncan &amp; Monga</b>
<b>Oct. 2, 2020</b>	<b>12:00 PM</b>	<b>1:00 PM</b>	<b>Zoom</b>	<b>Shea Heilman</b>	<b>Alexis Nolfi</b>	<u>Student Presentation:</u> Use of scRNA-seq to characterize developing <i>tet2<sup>-/-</sup>;</i> <i>tet3<sup>-/-</sup></i> zebrafish retinas.	<b>Drs. Duncan &amp; Monga</b>
<b>Oct. 16, 2020</b>	<b>12:00 PM</b>	<b>1:00 PM</b>	<b>Zoom</b>	<b>Michelle Drewry</b>	<b>Kien Tran</b>	<u>Student Presentation:</u> "Scaffold-Free Nerve Conduit Engineered using Dental Pulp Stem Cells"	<b>Drs. Duncan &amp; Monga</b>
<b>Oct. 30, 2020</b>	<b>12:00 PM</b>	<b>1:00 PM</b>	<b>Zoom</b>	<b>Marty Haschak</b>	<b>Nicole Martucci</b>	<u>Student Presentation:</u> "Macrophage phenotype and function is dependent upon the composition and biomechanics of the cardiac tissue microenvironment."	<b>Drs. Duncan &amp; Monga</b>
<b>Nov. 20, 2020</b>	<b>12:00 PM</b>	<b>1:00 PM</b>	<b>Zoom</b>	<b>Dr. Samira Kiani</b>	<b>Michelle Drewry</b>	<u>Faculty Presentation:</u> "How CRISPR can reshape our approach to human health and diseases in future."	<b>Drs. Duncan &amp; Monga</b>