

# 2021-22 MBIDP STUDENT SEMINAR SERIES

<p><u>Wednesday, Oct. 6th</u>  <b>Dana Franklin</b>  <i>"Friend or foe: Assembly and virulence mechanisms of fusobacterium nucleatum microcompartments"</i></p> <p><b>Alejandro Torres</b>  <i>"Glutamine in human embryonic germ lineage spatial patterning"</i></p>	<p><u>Wednesday, Oct. 20th</u>  <b>Salena Gallardo</b>  <i>"Investigating how BMPs are differentially translated by Smad5 during dorsal spinal cord development"</i></p> <p><b>James Zhen</b>  <i>"Structural characterization of herpesvirus envelope glycoproteins"</i></p>	<p><u>Wednesday, Nov. 3rd</u>  <b>Cody Gillman</b>  <i>"Analysis of a voltage-gated sodium channel in lipids by MicroED"</i></p> <p><b>Vivian Yang</b>  <i>"DCAF1: Sampling the cellular buffet"</i></p>	<p><u>Wednesday, Nov. 17th</u>  <b>Andrew Lund</b>  <i>"Elucidating stem/progenitor identities and lineage relationships in the airway submucosal glands"</i></p> <p><b>Kelly Kennewick</b>  <i>"Understanding how host metabolism influences T-cell mediated immunity through regulation of the T cell lipidome"</i></p>
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<p><u>Wednesday, Dec. 1st</u>  <b>Timmie Britton</b>  <i>"Examining the role of an ancient bacterial electron transport system in modulation of fusobacterial pathophysiology"</i></p> <p><b>Angelina Flores</b>  <i>"Defining the role of NUDIX5 in the mechanobiology of ovarian cancer"</i></p>	<p><u>Wednesday, Dec. 8th</u>  <b>Brandon Boone</b>  <i>"Exploring the biochemical mechanism of DNA methylation mediated gene silencing by the MBD5/6 complex"</i></p> <p><b>Bitta Kahangi</b>  <i>"Investigating the role of Neuropilin-1 signaling in the immune functions of CD4 conventional T cells"</i></p>	<p><u>Wednesday, Jan. 5th</u>  <b>Hope Pan</b>  <i>"Functionalized magnetic nanoparticles for magnetic resonance imaging in Parkinson's disease"</i></p> <p><b>Jee Yun Han</b>  <i>"Comprehensive study of gene expression outliers and their regulation mechanisms in pan-cancer"</i></p>
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<p><u>Wednesday, Jan. 19th</u>  <b>Shuya Wang</b>  <i>"Exploring the mechanism of transcription repression mediated by Arabidopsis methyl-reader MBD2"</i></p> <p><b>Jon DiRusso</b>  <i>"Regulation and necessity of transposable elements during mammalian germline development"</i></p>	<p><u>Wednesday, Feb. 9th</u>  <b>Lauren Uchiyama</b>  <i>"Control of lipid droplet dynamics in hepatocytes"</i></p> <p><b>Chris Ochoa</b>  <i>"Contribution of a de-differentiated and stem-like cell population to platinum-resistant ovarian cancer"</i></p>
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<p><u>Wednesday, Feb. 23rd</u>  <b>Alex Yoo</b>  <i>"Generation of T-iPSC derived CAR T cells using the Artificial Thymic Organoid (ATO) system"</i></p> <p><b>Karly Nisson</b>  <i>"HIV and Chromatin: Defining the role of Vpr-induced DNA damage in proviral transcription"</i></p>	<p><u>Wednesday, March 9th</u>  <b>Yesica Mercado-Ayon</b>  <i>"Investigating the cell-type specific function of netrin1 during spinal cord development"</i></p> <p><b>Angela Sun</b>  <i>"Mapping NK-like T cell immune response to CMV in renal transplantation"</i></p>	<p><u>Wednesday, March 23rd</u>  <b>Parham Peyda</b>  <i>"Regulation of alternative splicing by a large assembly of splicing regulators"</i></p> <p><b>Edgar Perez-Reyes</b>  <i>"Investigating the evolution of tumor mutational landscape and associated immune signatures in non-small cell lung cancer MPE."</i></p>	<p><u>Wednesday, April 6th</u>  <b>Tanya Gromova</b>  <i>"Epigenetic-Metabolic coupling in heart failure"</i></p>
<p><u>Wednesday, April 27th</u></p> <p><b>Matt Bernard</b>  <i>"Assessing the role of TCA cycle rewiring on prostate cancer progression"</i></p>	<p><u>Wednesday, May 4th</u>  <b>Eva Segura</b>  <i>"Hematopoietic Stem Cell Gene Addition Therapy for Alpha Thalassemia"</i></p> <p><b>Manny Mora</b>  <i>"The role of Arabidopsis thaliana Target of Rapamycin (AtTOR) in regulating plan growth plasticity"</i></p>	<p><u>Wednesday, May 18th</u>  <b>Quincy Okobi</b>  <i>"Mechanisms of acquired resistance to EGRF targeted therapy in glioblastoma"</i></p> <p><b>Anne Roe</b>  <i>"Investigating the role of the neuroectoderm during myogenesis"</i></p>	<p><u>Wednesday, June 15th</u>  <b>Carlos Galvan</b>  <i>"Defining the role of Glutaminolysis in cutaneous Squamous Cell Carinomas"</i></p> <p><b>Natalie Gehred</b>  <i>"Identifying drivers of a pro-fibrotic cell population in cardiac hypertrophy"</i></p>
<p><u>Wednesday, June 29th</u>  <b>Maymay Mu</b>  <i>"Amino acid sensation and transport by SLC38A9 to activate mTORC1 pathways"</i></p> <p><b>Rebecca Pasquarelli</b>  <i>"Investigating novel inner membrane complex proteins involved in the replication of Toxoplasma gondii"</i></p>	<p><b>*Students are required to attend at least <u>SIX</u> seminars/year</b></p>	<p>1:15pm in Boyer 159  Lunch will be provided</p>	