



SCHOOL OF PHARMACY  
UNIVERSITY of WASHINGTON

September 19<sup>th</sup>, 2019

To: Graduate Students in Pharmaceutics

From: Dr. Joanne Wang

Re: PCEUT583 (Journal Club) Schedule for Autumn Quarter 2019

Thursday meetings will be at 1:45 p.m. at SOCC 308.

Journal club schedules and papers to be discussed will be posted online at:

<https://canvas.uw.edu/courses/1323747/pages/pceut-583-journal-club-autumn-quarter-2019>

Following is the schedule of presenters and discussion topics for this quarter's Journal Club Meeting. For this quarter we will be focusing on **Renal Drug Disposition in Health and Disease**

DATE	TOPIC and SPEAKER
Sept. 26	General Introduction, Dr. Nina Isoherranen
Oct. 3	Renal drug handling processes (Joanne Wang) and GFR assessment (Haeyoung Zhang) <b>How best to estimate glomerular filtration rate? Novel filtration markers and their application.</b> <a href="https://www.ncbi.nlm.nih.gov/pubmed/30063487">https://www.ncbi.nlm.nih.gov/pubmed/30063487</a>
Oct. 10	Creatinine-drug interaction (Lena Anoshchenko, Austin Sun) <b>Abemaciclib Inhibits Renal Tubular Secretion without Changing Glomerular Filtration Rate</b> <a href="https://www.ncbi.nlm.nih.gov/pubmed/30449032">https://www.ncbi.nlm.nih.gov/pubmed/30449032</a>
Oct. 17	In Vitro Assessment of Renal Transporters (Jesse Yu, Melody Yin) <b>Renal secretion of hydrochlorothiazide involves organic anion transporter 1/3, organic cation transporter 2, and multidrug and toxin extrusion protein 2-K</b> <a href="https://www.ncbi.nlm.nih.gov/pubmed/31322418">https://www.ncbi.nlm.nih.gov/pubmed/31322418</a>

- Oct. 24** Renal Transporter-mediate DDIs (Antonio Lopez, Linxi Zhu)  
**Renal Transporter-Mediated Drug-Drug Interactions: Are They Clinically Relevant?**  
<https://www.ncbi.nlm.nih.gov/pubmed/27385181>
- Oct. 31** Renal Transporter and DDIs--Biomarker Identification (Freddy Chen, Claire Steinbronn)  
**Elucidation of N1-methyladenosine as a potential surrogate biomarker for drug interaction studies involving renal organic cation transporters.**  
<https://www.ncbi.nlm.nih.gov/pubmed/31511257>
- Nov. 7** **CKD and Impact on Drug Clearance**  
Guest Speaker: Dr. Cathy Yeung
- Nov. 14** PBPK Modeling (Weize Huang, Nathan Alade)  
**PBPK Modeling of the Effect of Reduced Kidney Function on the Pharmacokinetics of Drugs Excreted Renally by Organic Anion Transporters**  
<https://www.ncbi.nlm.nih.gov/pubmed/28738449>
- Nov. 21** Drug-induced kidney toxicity (King Yabut, Mackenzie Bergagnini)  
**Drug-induced acute kidney injury: diverse mechanisms of tubular injury.**  
<https://www.ncbi.nlm.nih.gov/pubmed/31483318>
- Nov. 28** **Holiday – No Presentation**
- Dec. 5** New models to study nephrotoxicity (Kevin Lidberg, James Griffin)  
**Human liver-kidney model elucidates the mechanisms of aristolochic acid nephrotoxicity.**  
<https://www.ncbi.nlm.nih.gov/pubmed/29202460>
- Dec. 12** **First-Year Student Rotation Presentations**