September 19th, 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

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC and SPEAKER</th>
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<tr>
<td>Sept. 26</td>
<td>General Introduction, Dr. Nina Isoherranen</td>
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| Oct. 3 | Renal drug handling processes (Joanne Wang) and GFR assessment (Haeyoung Zhang)  
*How best to estimate glomerular filtration rate? Novel filtration markers and their application.*  
| Oct. 10 | Creatinine-drug interaction (Lena Anoshchenko, Austin Sun)  
*Abemaciclib Inhibits Renal Tubular Secretion without Changing Glomerular Filtration Rate*  
| Oct. 17 | In Vitro Assessment of Renal Transporters (Jesse Yu, Melody Yin)  
*Renal secretion of hydrochlorothiazide involves organic anion transporter 1/3, organic cation transporter 2, and multidrug and toxin extrusion protein 2-K*  
Oct. 24 Renal Transporter-mEDIATE DDIs (Antonio Lopez, Linxi Zhu)

**Renal Transporter-Mediated Drug-Drug Interactions: Are They Clinically Relevant?**


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.**


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**


Nov. 21 Drug-induced kidney toxicity (King Yabut, Mackenzie Bergagnini)

**Drug-induced acute kidney injury: diverse mechanisms of tubular injury.**


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.**


Dec. 12 First-Year Student Rotation Presentations