March 24, 2017

To: Faculty, Graduate Students and Postdocs
Pharmaceutics

From: Bhagwat Prasad

Re: Journal Club (PCEUT 583) Schedule for Spring Quarter 2016-2017

Thursday Journal clubs will be at 1:45 p.m. in SOCC 303, unless noted otherwise.

**Theme: Significance of drug transporters and metabolizing enzymes in precision ontology and anticancer drug development.**

Journal club schedule including references of the articles to be discussed are listed below

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>30-Mar</td>
<td><strong>Introduction by Dr. Ken Thummel, Ph.D.</strong></td>
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<tr>
<td>6-Apr</td>
<td><strong>Dr. Elahe A Mostaghel, Ph.D., Fred Hutchinson Cancer Research Center, Seattle, WA</strong></td>
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<tr>
<td></td>
<td>SLC35F2: Exploiting AR Regulated Drug Transport to Induce Sensitivity to the Survivin Inhibitor YM155</td>
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<tr>
<td>13-Apr</td>
<td><strong>Kevin Lidberg and Brian Chapron</strong></td>
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<td>Human transporters, PEPT1/2, facilitate melatonin transportation into mitochondria of cancer cells: an implication of the therapeutic potential</td>
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<td>20-Apr</td>
<td><strong>Elijah Weber and Faith Stevison</strong></td>
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<td>Targeting ALDH1A1 by disulfiram/copper complex inhibits non-small cell lung cancer recurrence driven by ALDH-positive cancer stem cells</td>
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<tr>
<td>27-Apr</td>
<td><strong>David Plotnik and Savannah Kerr</strong></td>
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<td>Radiosynthesis and validation of (±)-[18F]-3-fluoro-2-hydroxypropionate ([18F]-FLac) as a PET tracer of lactate to monitor MCT1-dependent lactate uptake in tumors.</td>
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<tr>
<td>4-May</td>
<td><strong>Alenka Chapou and Ryan Cheu</strong></td>
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<td></td>
<td>Cross-Talk between Alternatively Spliced UGT1A Isoforms and Colon Cancer Cell Metabolism</td>
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<tr>
<td>11-May</td>
<td><strong>Jesse Yu and Vineet Kumar</strong></td>
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### Group 1
**Marc Vrana and Michael Liao**

**Discussion**
Amino acid transporter SLC6A14 is a novel and effective drug target for pancreatic cancer


**Presentation**
SLC46A3 Is Required to Transport Catabolites of Noncleavable Antibody Maytansine Conjugates from the Lysosome to the Cytoplasm.


**Date**
18-May

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### Group 2
**Lena Anoschchenko and Jing Jing**

**Discussion**
Transporter occluded-state conformation-induced endocytosis: Amino acid transporter ATB0,+ mediated tumor targeting of liposomes for docetaxel delivery for hepatocarcinoma therapy


**Presentation**
Androgen glucuronidation: an unexpected target for androgen deprivation therapy, with prognosis and diagnostic implications


**Date**
25-May

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### Group 3
**Antonio Lopez and Gabby Patilea-Vrana**

**Discussion**
Rotation talks (Moderator: Michael Liao)

**Presentation**
Androgen glucuronidation: an unexpected target for androgen deprivation therapy, with prognosis and diagnostic implications


**Date**
1-Jun

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### Group 4
**Antonio Lopez and Gabby Patilea-Vrana**

**Discussion**
Rotation talks (Moderator: Michael Liao)

**Presentation**
Androgen glucuronidation: an unexpected target for androgen deprivation therapy, with prognosis and diagnostic implications


**Date**
8-Jun

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### Students

<table>
<thead>
<tr>
<th>Group</th>
<th>Students</th>
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</table>
| 1     | Kuan-Fu (Freddy) Chen, Jing Jing  
       | Jake Kraft and David Wagner |
| 2     | Haeyoung Zhang, Lyrialle Han  
       | Alenka Chapron and Vineet Kumar |
| 3     | Ryan Cheu, Jesse Yu  
       | David Plotnik and Hiu Man (Sara) Shum |
| 4     | Lena Anoschchenko, Kevin Lidberg, Savannah Kerr  
       | and Gabby Patilea-Vrana |
| 5     | Elijah Weber, Faith Stevison  
       | Lindsay Henderson and Brian Chapron |
| 6     | Marc Vrana, Michael Liao  
       | Antonio Lopez and Mackenzie Bergagnini-Kolev |