2003 REU Communications Workshop

Location: Bagley 405
Time: Tuesdays, 9:00-10:00 AM

Instructor: Todd C. McDevitt, Ph.D.
Phone: 616-8684
Email: tcmcd@u.washington.edu
Office Hours: by appointment (call or email)
# Objectives

<table>
<thead>
<tr>
<th>REU Program</th>
<th>Communications Workshop</th>
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<tbody>
<tr>
<td>1) Write a journal <strong>article</strong></td>
<td>- Prepare drafts of paper</td>
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<tr>
<td>(JURIBE)</td>
<td>- Peer review/editing</td>
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<td>2) Prepare a scientific <strong>poster</strong></td>
<td>- Organize presentable poster</td>
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<tr>
<td>(Poster session)</td>
<td>- Present &amp; defend poster</td>
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<td>3) Orally <strong>present</strong> results</td>
<td>- Prepare slides</td>
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<tr>
<td>(Final presentation)</td>
<td>- Practice presenting</td>
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Effective communication skills are *vitally* important to a scientist’s career:

- Scientific meetings (posters, talks)
- Job interviews
- Teaching / mentoring
- Seminars / journal clubs
- Lab meetings
- Venture capital / entrepreneurship

Reflect → Visualize → Convey
## Workshop Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>June 17</td>
<td>Introduction / overview</td>
</tr>
<tr>
<td>June 24</td>
<td>“How to give a scientific talk”</td>
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<tr>
<td>July 1</td>
<td>“How to write a scientific article”</td>
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<td>July 8</td>
<td>“How to prepare a scientific poster” (PAA A212)</td>
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<td>July 15</td>
<td>“How to review a scientific paper” (PAA A212)</td>
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<tr>
<td>July 22</td>
<td>Practice presentations (intro / methods)</td>
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<tr>
<td>July 29</td>
<td>Practice presentations (intro / methods)</td>
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<tr>
<td>Aug 5</td>
<td>Peer review of papers (in class)</td>
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<tr>
<td>Aug 12</td>
<td>Final presentations (~ 12 min each)</td>
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<tr>
<td>Aug 21</td>
<td><strong>Poster session</strong></td>
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<tr>
<td>Aug 22</td>
<td>Final draft of <strong>paper</strong> due to Fanaye</td>
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## Assignments

<table>
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<tr>
<th>Date</th>
<th>Assignment</th>
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<tr>
<td>July 22 &amp; 29</td>
<td>Prepare 5 minute <strong>presentation</strong> of introduction &amp; methods; ~5 slides</td>
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<tr>
<td>August 5</td>
<td>First <strong>draft</strong> of paper (peer review in class)</td>
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<tr>
<td>August 15</td>
<td>Rough <strong>draft</strong> of paper (due to me)</td>
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<tr>
<td>Week of Aug 12</td>
<td>Final <strong>presentation</strong></td>
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<tr>
<td>August 21</td>
<td>Poster session</td>
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<tr>
<td>August 22</td>
<td>Final <strong>paper</strong> due to Fanaye</td>
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Getting Started

1) Start reading
   - Background research (why? what’s known? what’s not?)
   - Methods (how?)

2) Ask questions
   - Mentor, PI, students & post-docs in the lab

3) Get your hands dirty
   - Start experiments, get familiar with lab

4) Mental organization & begin writing/preparing
   - Paper, presentation, poster
   - Get accustom to software
Library Information

Libraries Home Page
http://www.lib.washington.edu

Health Sciences Library
Biomedical sciences (T-wing, 2nd flr)

Chemistry Library
Chemistry/materials (basement)

Engineering Library
Biomaterials/engineering (2nd flr)

http://www.washington.edu/home/maps/southcentral.html
Electronic Journals

E-journals
http://www.lib.washington.edu/types/ejournals/

- Available since mid-late ’90’s
  (Most major journals)

- Retrieve, view and print pdf articles
  (Adobe Acrobat or Acrobat Reader)

- Direct links to most recent articles (via Medline)

No more photocopying!
Database Searching

Databases:
http://www.lib.washington.edu/types/databases/

Top 20 databases:
http://www.lib.washington.edu/databases/top20.html

Medline:
- > 4,000 biomedical journals, > 11 million citations (back to mid-’60s)

Current Contents:
- > 7000 journals; sciences, social sciences, arts & humanities
- only publications within the last 2-3 years

Web of Science Citation Databases:
- > 5,700 journals (164 scientific disciplines), > 17 million records
- Science Citation Index Expanded (SCI-EXPANDED), 1980-present
Poster Printing

- Printed in **Health Sciences Photography**
  Located in **T-245**, phone: **685-1180**

- Printed as one continuous sheet
  (up to 52” wide by 20’ long)

- Easy to prepare in Powerpoint
  (also Freehand, Illustrator, Pagemaker, Photoshop)

- Charge to budget #
  (obtain from Fanaye)

- Screen preview at Locke
  (across hall, T-271)

- Print a preview (11” x 17”)
  Contract proof or test strip ($5)

- Turnaround time:
  *minimum of 24 hours*