



# ISPE

**“Catalyst For Change”**

**Advancing your career  
in the pharmaceutical and  
biotechnology industry**

**Fall GBM: Tuesday, October 7th  
6:30-8pm**

ENGINEERING PHARMACEUTICAL INNOVATION



# Meeting Agenda

1. Quick overview of ISPE
2. Introduce advisor and officer team
3. What ISPE can offer you as a student and young professional
4. Future Events
5. Poster Competition – Poll
6. Leadership Roles
7. Mentorship Program

# What is ISPE?

**The International Society for Pharmaceutical Engineering (ISPE) is a global organization that works to advance and educate student & professionals in their industry.**

- **Founded in 1980**
- **22,000 individual Members from 90 countries**
  - **International Student Chapters:**
    - Australia, Austria, Germany, Switzerland, United Kingdom, Singapore



# UCSD ISPE's Mission

1. Develop the next generation of professionals for the pharmaceutical, biotechnology, and biomedical industries
2. Connect UCSD students with members and opportunities in industry
3. Collaborate resources and events with other pre-professional organizations at UCSD

# How we deliver :

- **Professional Networking Opportunities**
  - ISPE conferences\*
  - Vendor fairs\*
  - UCSD social events
- **Industry Tours\*\***
- **Discussion Panels**
- **Interview and resume building workshops**
- **Mentorship Program**
- **Internship Program**
  - Internship Advising Sessions
  - Recruiting info sessions
- **Provide opportunities' to attend specialized seminars**
- **On-line subscription to *Pharmaceutical Engineering*\***
- **Publishing opportunities in *Pharmaceutical Engineering*\***
- **Student Poster Competitions at Local and International Levels\***
- **Student Awards from ISPE International Headquarters and local Affiliates and Chapters\***

## ***Please Note:***

- **\*Official ISPE student members only**
  - **\$20 annual student registration fee required**
- **\*\*Official ISPE receive priority**



# Internship Program

1. UCSD ISPE will post job description online
2. Students must submit resume by deadline
3. UCSD ISPE Panel will screen resumes and interview top candidates
4. Specified number of top candidates will be sent to hiring managers for further interviews/screenings

## **BENEFIT:**

- Resumes are sent directly to hiring managers
- Managers are looking to hire specifically UCSD students



# How to Become a Member

**Apply online:**

[http://www.ispe.org/cs/students\\_section/student\\_membership](http://www.ispe.org/cs/students_section/student_membership)

(link at <http://ispeucsd.weebly.com/>)

# Faculty Advisor



Dr. Christian M. Metallo

- Merck Research Laboratories – Bioprocess Engineering Research
- American Cancer Society Postdoctoral Fellow in Chemical Engineering at Massachusetts Institute of Technology



# STUDENT OFFICERS

- Co-Presidents: Disha Chaubey and Felix To
- VP Internal: Neeraja Ravi
- VP External: Justin Chu
- VP Finance: Param Bhattar
- Mentorship Program Chair: Tiffany Choy
- Public Relations Co-Chairs: Emily Goble and Jennifer Yang
- Bioengineering Day Representative: Shreya Malik and Adam Moore

# Events- Fall Quarter

## Research Position Workshop

Tuesday October 14<sup>th</sup>, 7-8pm, Location: TBA

## Resume Critiquing/Mock Interview Workshop

Tuesday October 21<sup>th</sup>, 6:30-8pm, Location: TBA

With engineers from **Genentech!**

## Featured Speaker/2<sup>nd</sup> GBM – Critical Utilities Presentation

Monday November 17<sup>th</sup>, 6:30-8pm, Location: TBA

With Lindsey Jewett (CRB) and Rod Freeman (Beckman)

## Mentorship Program Ceremony

TBA



Connecting a World of  
Pharmaceutical Knowledge

**San Diego  
Chapter**

## ISPE San Diego Chapter Calendar

Event Date	Time	Event	Venue
10/09/14	Evening	Oktoberfest Social Event and Tour of White Labs	
10/12 - 10/15/14		ISPE Annual Meeting	Caesars Palace, Las Vegas
10/28/14	5:00 - 7:00 PM	Joint BIOCOM Event	Biomed Realty Coast9 (Come on In! Café)
12/11/14		Carlsbad Desal Tour or Part 11 Meeting	Poseidon Water Carlsbad
01/30/15	Full Day	Joint Temecula Winery Tour with LA Chapter	various
02/26/15	4:30 PM	Electrical Utilities with SDG&E and Water Infrastructure	Genentech
03/19/15		2nd Annual Who's Coming, Who's Going in SD	DPR Construction



04/02/15		Networking Bowling Event	
06/25/15		CEO Night	Illumina
07/23/15		Networking Event: Maritime Museum	
8/6/2015 (alt date is 8/13/15)		Vendor Night	Green Acres
09/03/15		Padres vs Dodgers Game	
10/7/15 (alt date is 10/22/2015)		Clinical to Commercial Joint Meeting with OCRA and SDRAN	Pacific Palisades Resort, Carlsbad
TBD		Joint Facilities Reception with Biocom and IFMA	
11/8 - 11/11/15		ISPE Annual Meeting	Philadelphia, PA

# Poster Competition - Poll

- If interested:
  - Spring quarter
  - Winner will present their research at Philadelphia for the ISPE Annual Meeting (first/second week of November next year), with flight and hotel expenses paid
  - Great resume-building opportunity
  - Exposure to prominent industry leaders
  - New officer position
- More info: <http://www.ispe.org/students/poster-competition>



# Leadership Rotational Program (LRP)

# LRP: Who Is It For?

- Anybody interested in:
  - Leadership
  - Becoming an integral part of UCSD ISPE
  - Learning marketing, planning, and networking
  - Channeling your voice in regards to what ISPE does!

# LRP: Roles

- Marketing Strategy
  - Last year: marketed for Genentech PDRP leading to 200+ people!
- Collaborate with officers to organize operations of all events
  - Includes networking with all our industry contacts!
- Brainstorm/develop events for the members
- ....and more to come!



# LRP: How Do I Become a LRP Officer?

- Fill out the application that will be sent to your emails
  - Send it to [ispe.ucsd@gmail.com](mailto:ispe.ucsd@gmail.com)
  - Deadline: SUNDAY, 11:59pm, OCT. 19<sup>TH</sup>
- Interview with the VP: Neeraja Ravi

UCSD ISPE 4<sup>th</sup> Annual

# MENTORSHIP PROGRAM



ENGINEERING PHARMACEUTICAL INNOVATION



# MENTORSHIP PROGRAM:

## Why be mentored?

- **Personal and Professional Development**
- **Classroom education vs. Industry knowledge**
- **Reach long-term goals**
- **Open doors**

## Professionals from

- **Dexcom**
- **Celgene**
- **Illumina**
- **CRB Consulting Engineers**
- **Sequenom**
- **Abbotec**
- **Fate Therapeutics**

# MENTORSHIP PROGRAM:

## Some Work As

- **Presidents/CEO**
- **Hiring Managers**
- **Head Scientists**
- **Directors**

## Some with Years of Experience and B.S., Ph.D., or M.B.A. degrees from

- **Stanford**
- **MIT**
- **USC**
- **Purdue University**
- **UCSD**

# How to Join Mentorship Program

- **Online Application Deadline: October 24<sup>th</sup>**
- **Accepting applications NOW, preference given to those applying earlier.**
- **Interviews for program in early November**
- **Attend Mentee Guidelines Meeting in Late November**
- **Attend ISPE-organized event once per quarter**
  - **Mentor-Mentee Induction Ceremony in January**
  - **Closing Ceremony during Spring**



Visit the UCSD ISPE  
Website at  
[ispeucsd.weebly.com](http://ispeucsd.weebly.com)

Or Email Us at  
[ispe.ucsd@gmail.com](mailto:ispe.ucsd@gmail.com)