

# UC San Diego

Chemistry and Biochemistry / Chemistry Biology Interface (CBI)/ Cancer Researchers in Nanotechnology (CRIN)

## CBI-CRIN Industry Day

Friday, June 22nd, 2018 – 11:00AM-5:30PM  
Natural Sciences Building Auditorium and Atrium (NSB)

11:00 AM – 12:00 PM	Networking Lunch												
12:00 PM – 01:00 PM	<b><u>Industry Talks</u></b> – Session Chair: Dr. Andrew Kummel Steve Oldenburg, nanoComposix Raj Krishnan, Biological Dynamics Philippe Marchand, Samumed												
01:00 PM – 01:20 PM	Break												
01:20 PM – 02:20 PM	<b><u>Industry Talks</u></b> – Session Chair: Dr. Michael Burkart Deborah Mortensen, Celgene Jamie Schiffer, Schrodinger Lauren Roth, Gilead Jie Zhang, Cello Therapeutics												
02:20 PM – 02:40 PM	Break												
02:40 PM – 03:30 PM	<b><u>Student Lightning Talks</u></b> – Session Chair: Dr. Kamil Godula <table><tr><td>1. Yaou Duan (CRIN)</td><td>7. John Flores (Q-CURE)</td></tr><tr><td>2. Patrick Brunson (CBI)</td><td>8. Jeanne Lemaster (CRIN)</td></tr><tr><td>3. Filemoni Filemoni (Q-CURE)</td><td>9. Kelsey Krug (CBI)</td></tr><tr><td>4. Ching-Hsin Huang (CRIN)</td><td>10. Joanna Wang (CRIN)</td></tr><tr><td>5. Albert Kakkis (CBI)</td><td>11. Taryn Lucas (CBI)</td></tr><tr><td>6. James Wang (CRIN)</td><td>12. Jiarong Zhou (CRIN)</td></tr></table>	1. Yaou Duan (CRIN)	7. John Flores (Q-CURE)	2. Patrick Brunson (CBI)	8. Jeanne Lemaster (CRIN)	3. Filemoni Filemoni (Q-CURE)	9. Kelsey Krug (CBI)	4. Ching-Hsin Huang (CRIN)	10. Joanna Wang (CRIN)	5. Albert Kakkis (CBI)	11. Taryn Lucas (CBI)	6. James Wang (CRIN)	12. Jiarong Zhou (CRIN)
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03:30 PM – 04:30 PM	<b><u>Panel Session with Industry Guests</u></b> – Moderator: Dr. Andrew Kummel												
04:30 PM – 05:30 PM	Dinner Reception												

### Industry Guests:



Chemistry and Biochemistry / Chemistry Biology Interface (CBI)/ Cancer Researchers in Nanotechnology (CRIN)  
**CBI-CRIN Industry Day**

**Student Speakers**

- **Yaou Duan – PhD Student, NanoEngineering; CRIN Trainee**  
*Nano-based delivery of Cas9-guide RNA complex for tumor immunotherapy*  
PI: Dr. Kang Zhang
- **Patrick Brunson – PhD Student, Marine Biology (SIO); CBI Trainee**  
*Biosynthesis of the amnesic shellfish poison domoic acid in a harmful algal bloom forming diatom*  
PI: Dr. Bradley Moore / Dr. Andrew Allen
- **Filemoni Filemoni – Q-CURE, Moores Cancer Center**  
*The Effect of Clinical Factors on the Take Rate of Patient Derived Xenografts*  
PI: Dr. Michael Buvet
- **Ching-Hsin Huang – PhD Student, Materials Science and Engineering; CRIN Trainee**  
*Nanoparticles-assisted immunotherapy with acoustic ablation induces systemic anti tumor immunity*  
PI: Dr. Andrew Kummel
- **Albert Kakkis– PhD Student, Chemistry and Biochemistry; CBI Trainee**  
*Harnessing  $\pi$ - $\pi$  stacking and metal-coordination interactions for multi-component protein assembly*  
PI: Dr. Akif Tezcan
- **James Wang – PhD Student, NanoEngineering; CRIN Trainee**  
*High Sensitivity Nanocrystals for MR Imaging*  
PI: Dr. Andrew Kummel
- **John Flores–Q-CURE, Chemistry and Biochemistry**  
*Dynamic MRI Contrast Agent for High Intensity Focused Ultrasound (HIFU)*  
PI: Dr. Andrew Kummel
- **Jeanne Lemaster – PhD Student, NanoEngineering; CRIN Trainee**  
*Development and Application of a Nanoparticle-Based Contrast Agent for Immune Cell Trafficking*  
PI: Dr. Jesse Jokerst
- **Kelsey Krug– PhD Student, Chemistry and Biochemistry; CBI Trainee**  
*Splice Modulators as Anti-Tumor Therapeutics*  
PI: Dr. Michael Burkart
- **Joanna Wang – PhD Student, Materials Science and Engineering; CRIN Trainee**  
*Colormetric Sensors to Indicate Sterilization of IV Catheter Devices*  
PI: Dr. Michael Sailor
- **Taryn Lucas– PhD Student, Chemistry and Biochemistry; CBI Trainee**  
*Density Variant Glycan Array for Probing Viral Interactions*  
PI: Dr. Kamil Godula
- **Jiarong Zhou – PhD Student, NanoEngineering; CRIN Trainee**  
*Multilayer Cancer Cell Membrane Coated Nanoparticles for Enhanced Cancer Immunity*  
PI: Dr. Liangfang Zhang