

**BIMM 194 BGGN 283 - Adv Topics-Molecular Bio - Bioproducts - Mayfield [FA23]**

<b>Date</b>	<b>Topic</b>	<b>Speaker</b>
<b>October 2</b>	<b>Cyanobacteria as a Platform for Biofuels and Bio-Products</b>	<b>Ryan Simkovsky</b> <b>Algenesis Materials</b>
<b>October 9</b>	<b>Introduction to Energy/Food/Bio-Products</b>	<b>Stephen Mayfield</b> <b>Molecular Biology, UCSD</b>
<b>October 16</b>	<b>Algae as Producers of Bio-Products</b>	<b>Stephen Mayfield</b> <b>Molecular Biology, UCSD</b>
<b>October 23</b>	<b>Plant Biotechnology</b>	<b>Wolfgang Busch</b> <b>Salk Institute</b>
<b>October 30</b>	<b>Engineering bacteria to make bio-products</b>	<b>Natasha Gunawan</b> <b>Gino – San Diego</b>
<b>November 6</b>	<b>Renewable Bio-Based Polymers</b>	<b>Michael Burkart</b> <b>UCSD – Chemistry</b>
<b>November 13</b>	<b>Nutritional Protein Production in Green Algae</b>	<b>Miller Tran</b> <b>Triton Health and Nutrition</b>
<b>November 20</b>	<b>TBD</b>	<b>TBD</b>
<b>November 27</b>	<b>Building an Algae Bio-technology company</b>	<b>Yasin Torres and Joao Molino</b> <b>UCSD Molecular Biology</b>
<b>December 4</b>	<b>Final Exam</b>	<b>York 3010</b>

## BIMM 194: Advanced Topics – Biofuels and Bioproducts S. Mayfield FA23

### **GENERAL INFORMATION**

**Time and Place:** Monday 3:30-4:50 pm, York 3010

**Instructor:** Dr. Stephen Mayfield, 858-822-7743 [smayfield@ucsd.edu](mailto:smayfield@ucsd.edu)

**Office Hours:** Applied Physic & Math 3802, by apt.

### **ALL CLASS INFORMATION WILL BE POSTED ON CANVAS**

Check Canvas for announcements, syllabus updates, and grades. Please check announcements before emailing the professor to see if your question is already answered there.

### **CLASS CONTENT**

The purpose of this course is to provide students with an interdisciplinary exposure to the new biology-based industry of photosynthetic biofuels and bioproducts. A series of outstanding speakers has been assembled to cover diverse topics related to biofuels and bioproducts.

### **WHAT IS EXPECTED OF YOU**

Because this is a seminar course, in which the material is delivered mainly through lectures, *attendance is mandatory*. Only one unexcused absence is permitted without affecting your grade. Attendance will be taken at each class meeting; you need to sign in BEFORE the lecture starts.

Listen attentively to the speakers and ask questions! This course provides you with exceptional access to leaders in the field of photosynthetic bio-manufacturing—use the opportunity to learn as much as you can!

### **UCSD POLICY ON INTEGRITY OF SCHOLARSHIP**

You are expected to read and abide by the UCSD POLICY ON INTEGRITY OF SCHOLARSHIP. Breach of policy will result in a failing grade.

<http://www-senate.ucsd.edu/manual/appendices/app2.htm>

### **GRADING POLICY**

Letter grades or pass/fail will be assigned. For an A grade, perfect attendance (one unexcused absence allowed), and an “A” on the final exam, A-, B+, B, C, D, or F grades will be assigned for performance below that which is expected for an A.

# Course Summary:

Date	Details	Due
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