

ICMR Summer Program on Topics in Biomaterials
University of California, Santa Barbara
August 7 – 20, 2005

WEEK 1	
Monday, August 8, 2005 – Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Marine Science Research Building Auditorium
9:00 am to 9:15 am	Welcome by Dr. Tony Cheetham, Director, ICMR
9:15 am to 10:30 am	Lecture – Dr. Fiona Meldrum, School of Chemistry, University of Bristol
10:30 am to 11:00 am	Break
11:00 am to 12:15 pm	Lecture – Dr. Fiona Meldrum, School of Chemistry, University of Bristol
12:15 pm to 1:30 pm	Lunch at the University Center (UCEN)
1:30 pm to onwards	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
Tuesday, August 9, 2005 – Marine Science Research Building	
8:15 am to 9:00 am	Continental Breakfast at Marine Science Research Building Auditorium
9:00 am to 10:15 am	Lecture – Dr. Deborah Fygenon, Physics, UCSB
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – Dr. Michael Sheetz, Biological Sciences, Columbia
12:00 pm to 2:00 pm	Lunch at the University Center (UCEN)
2:00 pm to 3:00 pm	Dr. Herbert Waite, Molecular, Cellular and Developmental Biology, UCSB Marine Biology, Biomimetics and the Design of New Materials
3:00 pm to 8:00 pm	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
8:00 pm onwards	Student Talks
Wednesday, August 10, 2005 – Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – Dr. Michael Sheetz, Biological Sciences, Columbia
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – Dr. Fiona Meldrum, School of Chemistry, University of Bristol
12:00 pm to 2:00 pm	Lunch at the University Center (UCEN)
2:00 pm to 3:00 pm	Dr. Uri Raviv, Materials, UCSB Bacterial Display Technology and Biomolecular Recognition Applications
3:00 pm to 8:00 pm	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
8:00 pm onwards	Student Talks

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Thursday, August 11, 2005 - Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – Dr. Michael Sheetz, Biological Sciences, Columbia
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – Dr. Fiona Meldrum, School of Chemistry, University of Bristol
12:00 pm to 2:00 pm	Lunch at the University Center (UCEN)
2:00 pm to 3:00 pm	Dr. Kevin Plaxco, Chemistry and Biochemistry, UCSB
3:00 pm to 8:00 pm	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
8:00 pm onwards	Student Talks
Friday, August 12, 2005 – Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – Dr. Michael Sheetz, Biological Sciences, Columbia
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – Dr. Fiona Meldrum, School of Chemistry, University of Bristol
12:00 pm to 1:30 pm	Lunch at the University Center (UCEN)
1:30 pm to 2:30 pm	Dr. Dan Morse, Molecular, Cellular and Developmental Biology, UCSB New Biological Inspired Low – Temperature Synthesis of Semiconductors for Photovoltaic and Other Applications
2:30 pm to 7:00 pm	Free Time
6:45 pm	Meet at the Santa Ynez Parking Lot for transportation to the El Paseo Restaurant
7:30 pm – 9:30 pm	Dinner at El Paseo Restaurant in downtown Santa Barbara
Saturday, August 13, 2005 – Free Day	
11:30 am to 1:30 pm	Lunch served at the De La Guerra Dining Commons during this time
5:45 pm to 7:15 pm	Dinner served at the De La Guerra Dining Commons during this time

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WEEK 2	
Sunday, August 14, 2005 – Free Day	
11:30 am to 1:30 pm	Lunch served at the De La Guerra Dining Commons during this time
5:45 pm to 7:15 pm	Dinner served at the De La Guerra Dining Commons during this time
12:00 pm to 5:00 pm	Optional Excursion – Santa Ynez Valley Wine Tasting Tour
Monday, August 15, 2005 – Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – Dr. Deborah Fygenson, Physics, UCSB
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – Dr. David Tirrell, Chemistry and Chemical Engineering, Caltech
12:00 pm to 2:00 pm	Lunch at the University Center (UCEN)
2:00 pm to 3:00 pm	Dr. Jacob Israelachvili, Chemical Engineering Molecular Interactions and Structural Hierarchies in Biological Systems
7:00	Poster Session at Engineering Sciences Building, Room 1001 Dinner will be served at poster session
Tuesday, August 16, 2005 - Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – Deborah Fygenson, Physics, UCSB
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture, David Tirrell, Chemistry and Chemical Engineering, Caltech
12:00 pm to 2:00 pm	Lunch at the University Center (UCEN)
2:00 pm to 3:00 pm	Dr. Frank Brown, Chemistry and Biochemistry, UCSB Simple Models for Biomembrane Dynamics and Structure
3:00 pm to 5:00 pm	Student Talks
5:00 pm onwards	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
Wednesday, August 17, 2005 – Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – David Tirrell, Chemistry and Chemical Engineering, Caltech
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – David Tirrell, Chemistry and Chemical Engineering, Caltech

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12:00 pm to 2:00 pm	Lunch at the University Center (UCEN)
2:00 pm to 3:00 pm	Dr. Matt Tirrell, Chemical Engineering, UCSB Protein Analogous Micelles
3:00 pm to 5:00 pm	Student Talks
5:00 pm onwards	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
Thursday, August 18, 2005 - Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – Jean-Francois Joanny, Institut Curie
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – Jean-Francois Joanny, Institut Curie
12:00 pm to 2:00 pm	Lunch at the University Center (UCEN)
2:00 pm to 3:00 pm	Dr. Paul Hansma, Physics, UCSB Bone Fracture Mechanisms from the Molecular Scale to the Macroscopic Scale
3:00 pm to 5:00 pm	Student Talks
5:00 pm onwards	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
Friday, August 19, 2005 - Engineering Sciences Building, Room 1001	
8:15 am to 9:00 am	Continental Breakfast at Engineering Sciences Building, Room 1001
9:00 am to 10:15 am	Lecture – Jean-Francois Joanny, Institut Curie
10:15 am to 10:45 am	Break
10:45 am to 12:00 pm	Lecture – Jean-Francois Joanny, Institut Curie
12:30 pm to 2:30 pm	Barbecue Lunch at Goleta Beach Area A
2:30 pm onwards	Dinner at De La Guerra Dining Commons and Free Time Dinner served between 5:45 - 7:15
Saturday, August 20, 2005	
8:00 am to 12:00 pm	Check Out from Santa Ynez Apartments
8:15 am to 10:00 am	Continental Breakfast at the Jameson Patio at the Santa Ynez Apartments