



Symposium on the Geobiology of Microbial Mats

California Institute of Technology
Sharp Lecture Hall - Arms Laboratory

Friday, June 30, 2017

8:30 - 9:00 am	Continental Breakfast
9:00 - 9:15 am	Welcome and Introduction Alex Sessions (Caltech)
9:15 - 9:55 am	"Genetic mechanisms that initiate and stabilize biofilm formation" Dianne K. Newman (Caltech)
9:55 - 10:05 am	Discussion
10:05 - 10:45 am	"How electrophysiological properties of microbial colonies increase their stability, function and effect their morphology" Gürol M. Süel (UC San Diego)
10:45 - 10:55 am	Discussion
10:55 - 11:10 am	Break
11:10 - 11:50 am	"Aggregate formation between heterogeneous microbes and syntrophy" Victoria J. Orphan (Caltech)
11:50 - 12:00 pm	Discussion
12:00 - 1:00 pm	Lunch Buffet
1:00 - 1:40 pm	"Modern complex microbial mats, their organization and function" David J. Des Marais (NASA)
1:40 - 1:50 pm	Discussion
1:50 - 2:30 pm	"Ancient microbial communities and their relationship to stromatolites in the rock record" John P. Grotzinger (Caltech)
2:30 - 2:40 pm	Discussion
2:40 - 3:20 pm	"Grain trapping and binding in microbial mats: Implications for stromatolites" Frank Corsetti (USC)
3:20 - 3:30 pm	Discussion
3:30 - 3:45 pm	Break
3:45 pm	End of Symposium Discussion
4:00 pm	Reception