

## Poster Presentation Session II

	UC310		UC312		
	Chemical & Biochemical and Environmental Engineering	Chemistry & Biochemistry	Atmospheric Physics	Biological Sciences	Biological Sciences
11:00	<b>11. Sheniqua Brown</b> Non-Invasive Glucose Sensor using Fluorescent Labeled Glucose Binding Protein	<b>17. Hannah Peters</b> Flexible Nucleoside Analogs as Antivirals	<b>11. John Sullivan</b> Initial Results Obtained from a Differential Absorption Lidar (DIAL) to Measure Tropospheric Ozone	<b>17. Pushya Pradeep</b> Functional Characterization of SET4 Histone Lysine Methyltransferase in <i>Saccharomyces cerevisiae</i>	<b>23. Arya Ashok</b> A Transgenic Mouse Model for Inducible Inflammation in the Prostate
11:15	<b>12. Opeyemi Ajayi</b> Working Title: <i>Staphylococcus aureus</i> Biofilm Formation on Micropatterned Surfaces	<b>18. Michael White</b> Enzyme Architecture: Structure-Function Relationship Studies of Soluble Guanylate Cyclase	<b>12. Matthew Margotta</b> A Study of the Air-Sea Interaction Off Coast Maryland through NOAA Buoys	<b>18. Leila Bahmani Kazerooni</b> Localization of Histone Methyltransferase, SET4, in <i>S. cerevisiae</i>	<b>24. Tejashree Joglekar</b> Identification And Characterization Of protein kinase Pim1 substrates regulating protein synthesis
11:30	<b>13. Arundhati Venkatasubraman</b> Beta-amyloid fibrils and their interplay in Alzheimer's disease through physico-chemical, signaling, and epigenetic mechanisms	<b>19. Therese Ku</b> Synthesis of Flexible, Purine Analogue Inhibitors of NCP7	<b>13. Edward Strobach</b> A Motion Compensation Prescription for Offshore Doppler Wind Lidars	<b>19. Alison Jacques</b> The Effect of a Mutant HMGB1 Protein on Inflammation	<b>Chemistry &amp; Biochemistry</b>
					<b>25. Anand Sundaram</b> 3-Phosphoinositide-dependent protein kinase 1 (PDK1) and its role in de novo purine biosynthesis
11:15	<b>14. Zachary Hopkins</b> Ozone treatment of oxybenzone: Transformation kinetics and removal of UV absorbance	<b>20. Danielle Schmitt</b> Characterization of a Regulatory Loop Between AMPK and the Purinosome	<b>Geography &amp; Environmental Systems</b>	<b>20. Kayla Lemons</b> The Effects of Irritant Exposure on the Olfactory Behavior of Skn1a Knockout Mice.	<b>26. Casey Kohnhorst</b> Reservatrol Induces Spatial Colocalization of Phosphofructokinase and Fructose-1,6-Biphosphatase in Living Cells
			<b>14. Molly Van Appledorn</b> Regional correspondence of riparian plant functional traits subject to different flood regimes		
12:00	<b>Mathematics and Statistics</b>	<b>21. Kenneth Childers</b> Biochemical Analysis of the Heme Regulatory Domain and Active Catalytic Center in Soluble Guanylyl Cyclase	<b>15. Samuel Dupre</b> Transportation Options in Rural Ghana: Development Challenges	<b>21. Preethi Somasundaram</b> Role of melanopsin phosphorylation in mouse behavior and physiology	<b>27. DeLauren McCauley</b> Detection of Off-Flavor Compounds in Recirculating Aquaculture Systems using Headspace-Gas Chromatography Mass Spectrometry
	<b>15. Cherre Jefferson</b> The Existence of Mild Solutions to Semilinear Fractional Diffusion Equations				
12:15	<b>16. Xuan Huang</b> Coupled PDEs with Initial Solution from Data in COMSOL 4	<b>Psychology</b>	<b>Psychology</b>	<b>22. Amanda Lo</b> The Genetic Effects on the Innate Immune System in <i>Drosophila melanogaster</i>	<b>28. Andrea Gray</b> An Integrated Platform of LC-MS, HPAEC-PAD, and Bioinformatics for the Carbohydrate Profiling of Therapeutic Glycoproteins
		<b>22. Shelby Jones</b> "You can stop eating when I say you're full": A qualitative examination of Chinese immigrant U.S. mothers' feeding practices	<b>16. You Jung Seo</b> The role of child temperament, parental stress and life satisfaction in authoritarian parenting style among Korean and Korean immigrant mothers in the U.S.		