

**Sigma Xi Student Poster Awards, 2015 Research Conference**

Placement	Category	Poster Title	Co-author(s)	Institution
1	<b>Postdoctoral studies</b> Rajkumar Verma	Pair housing reverses the detrimental effects of social isolation and restores BDNF and MBP in aged mice after stroke	Nia Harris      Brett Friedler Joshua Crapser      Louise McCullough	Uconn Health
1	<b>Graduate Studies</b> Fred Xavier	Regional variations in microstructure and biomechanical properties of the human vertebral endplate and trabecular bone	Saha Subrata	SUNY Downstate Medical Center
2	Kaushik Muralidharan	MicroRNA function in <i>C. elegans</i> models of neurodegenerative diseases	Alexandre de Lencastre	Quinnipiac Univ.
3	Michael Molnar	Role of <i>Oca2</i> in glycogen storage and cell arrest in <i>Saccharomyces cerevisiae</i>	Nin Dingra	SUNY Oswego
<b>Behavioral Sciences (BS)</b>				
1	Piper Darling	Gender differences and cognitive strategy in mental rotation	Bernard Gee	WCSU
2	Nicole Barney	Coordination of song duets by the lar gibbon ( <i>Hylobates lar</i> )	James Eazor      Thomas Terleph	Sacred Heart Univ.
3	Maura Gissen	Mental rotation and visual fixation	Bernard Gee	WCSU
<b>Computer Sciences, Engineering and Applied Math</b>				
1	Vishakh Gopu	A comparison of self-organizing maps and locally linear embedding for dimensionality reduction		Univ of Rhode Island
2	Michael Rockefeller	Da Vinci's air screw model	James Leanoard      Robert Evarts Jay Del Toro      Sharma Narendra	Naugatuck Valley CC
3	Robert Dolan	Industrial Mathematics Project: Calculation of a control parameter for design of liquid level switches	Lydia Novozhilova	WCSU
<b>Life Sciences (LS)</b>				
1	Ricky Shao	Screening a <i>Saccharomyces cerevisiae</i> genomic library to determine copper induced cell death pathways	Nidhi Gadura	Queensborough CC CUNY
2	Hannah Valentino	Large scale study of BSA metal binding to copper in preparation for alpha-2-macroglobulin metal binding analysis	Htet San	SUNY Oswego
3	Feysel Shifa	Functional analysis of the beta-hemoglobin gene in <i>Paramecium tetraurelia</i>		SUNY Plattsburgh
<b>Physical Sciences (PS)</b>				
1	David Alexander	Investigation of simultaneous absorption properties of Cd, Cu, Pb and Zn by rice husks	Dularisi Amarasiriwardena	Hampshire College
2	Valerie Khayyo	Synthesis and characterization of tri and tetra substituted porphyrins for their photochemical applications	Shaddie Khayyo      Dorena Ismaelgeci Daniel Amarante	College of Mt. Saint Vincent
3	Kristin Altemose	Analysis of pharmaceuticals in water samples by gas chromatography mass spectrometry (GC-MS)	Yuan Mei-Ratliff	WCSU

**Genomics and Personalized Medicine - Sponsored By Jackson Labs**

<b>1</b>	Bharti Kumari	Uncovering the genes involved in copper Induced cell death pathy by screening <i>Saccharomyces cerevisiae</i> genomic library	Nidhi Gadura	Queensborough CC CUNY
<b>2</b>	Brunilda Estrada	Meta-analysis of Rhomboid Proteases in 30 Streptomycete genomes		Queensborough CC CUNY