

The Allied Genetics Conference  
**Trainee Symposium (Mouse)**

Wednesday, July 13, 2016

Crystal Ballroom A

1:00PM	A Transgenic Mouse Model for Understanding <i>cis</i> and <i>trans</i> Mechanisms of lncRNA <i>Jpx</i> <i>in vivo</i> . <b>Sarah Carmona.</b>	<b>M5039C</b>
1:15PM	Regulation of murine coat color by transgenic expression of endothelin 3. <b>Javier Pino.</b>	<b>M5073A</b>
1:30PM	<i>Dll1</i> - and <i>Dll4</i> -mediated Notch signaling in adult pancreatic $\beta$ -cells is essential for the structural integrity of the islets of Langerhans and maintenance of glucose homeostasis. <b>Marina Fuetterer.</b>	<b>M5097A</b>
1:45PM	Post-transcriptional regulation of mouse neurogenesis by pumilio proteins. <b>Meng Zhang.</b>	<b>M5082A</b>
2:00PM	Investigating how cytoskeletal protein mutations cause Amyotrophic Lateral Sclerosis disease using neuronal cells differentiated from mouse embryonic stem cells. <b>Kim Nguyen.</b>	<b>M5036C</b>
2:15PM	HOX proteins are essential for motor neuron subtype differentiation and connectivity by regulating the expression of <i>Ret/Gfra</i> genes. <b>Catarina Catela.</b>	<b>M5062B</b>
2:30PM	Full length transcript sequencing of wild derived mouse strains identifies strain specific novel gene structures. <b>Monica Abrudan.</b>	<b>M5047B</b>
2:45PM	Deep genome sequencing and variation analysis of 13 inbred mouse strains defines candidate phenotypic alleles, private variation, and homozygous truncating mutations. <b>Anthony Doran.</b>	<b>M5051C</b>
3:00 – 3:30PM	<b>BREAK</b>	
3:30PM	Determining the significance of space radiation exposures: high resolution genomic mapping to determine overlap in susceptibility loci for HZE-ion induced, $\gamma$ -ray induced, and spontaneous phenotypes in outbred mice. <b>Elijah Edmondson.</b>	<b>M5086B</b>
3:45PM	Host genetic and gut microbiota variability within the C57BL/6- <i>Apc<sup>Min</sup></i> mouse affects the intestinal tumor phenotype. <b>Jacob Moskowitz.</b>	<b>M5091A</b>
4:00PM	Molecular analysis of epidermal growth factor receptor (EGFR)-independent colorectal cancers. <b>CAROLINA MANTILLA ROJAS.</b>	<b>M5090C</b>
4:15PM	<i>GNL3</i> modulates prostate cancer metastasis susceptibility. <b>Minnkyong Lee.</b>	<b>M5089B</b>
4:30PM	The role of <i>Arid1a</i> as a suppressor of spontaneous mammary tumors in mice. <b>Nithya Kartha.</b>	<b>M5009C</b>
4:45PM	Investigating Operative DNA Damage Response Pathways in Mouse Primordial Germ Cells. <b>Jordana Bloom.</b>	<b>M5034A</b>
5:00PM	One RING to Rule Them All: RNF212 Regulates The Size of The Ovarian Follicle Pool. <b>Huanyu Qiao.</b>	<b>M5021C</b>
5:15PM	Role of a 3'UTR-dependent DAZL suppression in mouse postnatal ovary. <b>Kurumi Fukuda.</b>	<b>M5065B</b>

