



***Flow Cytometry Core Publications and Presentations***

**Publications**

**Manuscripts with Flow Cytometry Collaboration**

- Chakravadhanula M, Ozols VV, Bhardwaj RD, **Kala M**. "Study of Stem Cell Marker Proteins in Atypical Teratoid Rhabdoid Tumor" Biomarkers and Applications (2018; open access).

**Manuscripts with Flow Cytometry Core Acknowledgement**

- Bapat A, Keita N, Martelly W, Kang P, Seet C, Stoilov P, Jacobsen, JR, Stoilov P, Hu C, Crooks GM, and **Sharma S** (2018) Myeloid disease mutations of splicing factors SRSF2 cause G2-M arrest and skewed differentiation of human hematopoietic stem and progenitor cells, ***Stem Cells in press***.
- Bista R, Lee DW, Pepper OB, Azorsa DO, Arceci RJ, Aleem E. Disulfiram overcomes bortezomib and cytarabine resistance in Down-syndrome associated acute myeloid leukemia cells. *Journal of Experimental & Clinical Cancer Research* (2017) 36:22.

**Poster Presentations**

**Flow Cytometry Core Poster Presentations**

- **Kala M**, Filley D, Lewandowski K, Watts G, Hu C, Menashi E. "Early Detection, Rapid and Comprehensive Classification of Pneumonia Causing Pathogens in Intubated Trauma Patients". 33rd Congress of the International Society of Advancement of Cytometry, Cyto 2018, Prague, Czech Republic
- Hu C, **Kala M**, Watts G, Lewandowski K, Filley D, Menashi E. "Metataxonomic vs culture inferences in the diagnosis of pneumonia infection in intubated trauma patients". 33rd Congress of the International Society of Advancement of Cytometry, Cyto 2018, Prague, Czech Republic
- **Kala M**. "Flow Cytometry Core at UACOM-P". Inaugural University of Arizona Cancer Center – Phoenix Symposium, 2017, Phoenix, USA.
- Hu C, Lewandowski K, **Kala M**, Watts G, Filley D and Menashi E. "Metataxonomic vs. Culture inferences in the Diagnosis of Pneumonia Infection." 9<sup>th</sup> Annual Southwest Trauma and Acute Care Symposium, 2017, Scottsdale, USA.

**Poster Presentations with Flow Cytometry Core Acknowledgement**

- Bapat A, Keita N, and Sharma S. "Effects of splicing factor mutations on human hematopoietic stem and progenitor cells." 11<sup>th</sup> Cold Spring Harbor Laboratory Meeting: Eukaryotic mRNA Processing, Long Island, NY (August 22-26, 2017).

- Wilkinson-Dix J, Montoya J, Lee DW and Aleem E. "Natural products synergistically sensitize pediatric cancer cell lines to chemotherapy." PCH Research Day, 2017.
- Finch K, Montoya J, Lee DW and Aleem E. "Hypoxia Selectively Confers Resistance To The Survivin-Targeting Compound YM155 in Acute Myeloid Leukemia and Sarcoma cell lines." PCH Research Day, 2017.
- Montoya J, Lee DW and Aleem E. "Sensitivity and resistance to cell cycle and IGF-1R inhibitors in rhabdomyosarcoma." AACR Annual Meeting, 2017.
- Bapat A, Keita N, and Sharma S, Keystone Symposia. "Effects of splicing factor mutations on hematopoietic stem and progenitor cells." mRNA Processing and Human Disease, Taos, New Mexico (March 5-8, 2017).
- Keita N and Sharma S. "Effect of inhibitors of CLK and SRPK family kinases on the phosphorylation state of SRSF2 and the survival of several AML cell lines and CD34+ HSPCs." 11<sup>th</sup> Cold Spring Harbor Laboratory Meeting: Eukaryotic mRNA Processing, Long Island, NY (August 22-26, 2017).
- Bapat A, Keita N, and Sharma S. "Understanding the role of splicing factor mutation in myelodysplastic syndromes." 3<sup>rd</sup> Annual University of Arizona Cancer Center Retreat, Tucson, AZ (April 21, 2017).
- Keita N, Bapat A, and Sharma S. "Morphological characterization of human CD34+ cells expressing MDS-associated mutations of SRSF2." 3<sup>rd</sup> Annual University of Arizona Cancer Center Retreat, Tucson, AZ (April 21, 2017).
- Fellows B and Sharma S. "Effect of mutations of SF3A1 in myelodysplastic syndromes and acute myeloid leukemia." Annual Colloquium, Community College Undergraduate Research Initiative, Glendale Community College, Glendale, AZ (December 1, 2016).
- Bapat A, Keita N and Sharma S. "Understanding the role of splicing factor mutation in myelodysplastic syndromes." Department of Basic Medical Sciences Annual Retreat, Phoenix, AZ (June 15, 2015)

## Oral Presentations

### Flow Cytometry Core Oral Presentations

- Saber M, **Kala M** and Lifshitz J, "Sex differences in remote ischemic conditioning: An anti-inflammatory treatment for brain injury." Brian Injury Summit, 2018, Vail, CO, USA.

### Oral Presentations with Flow Cytometry Core Acknowledgement

- Keita N and Sharma S. "Splicing factor mutations in myelodysplastic syndromes." BMS High School Internship Program, UA College of Medicine, Phoenix, AZ (June 22, 2017).
- Bapat A, Keita N and Sharma S. "Understanding the role of splicing factor mutation in myelodysplastic syndromes." 1<sup>st</sup> Arizona RNA Salon Symposium, University of Arizona, Tucson, AZ (May 19, 2017).