Tareq Saleh

Irbid, Jordan

0792856128 ● saleht2@vcu.edu

Summary

Assistant professor with a focus on cancer treatment and the pharmacology of chemotherapy. Concerned with cellular responses to stress, modes of cell death and anticancer drug combinations.

Work

Assistant Professor, The Hashemite University, Zarqa, Jordan **2019 - Present**

Education

Virginia Commonwealth University (VCU), Richmond, VA **2015 – 2019**

Doctorate of Philosophy, Pharmacology and Toxicology

The Hashemite University, Zarqa, Jordan **2006 – 2012**

Doctor of Medicine.

Research and Training Experience

Graduate Researcher, Dr. David A. Gewirtz, VCU, Richmond, VA **Jan 2015 – Present**

- Studying cellular responses to chemotherapy in non-small cell lung cancer and approaches to improve cancer sensitivity to conventional cancer therapy.
- Investigating the roles and the underlying mechanisms of autophagy and senescence in tumor survival.
- Utilizing several cell survival assays, specialized staining and microscopy, immunoblotting, flow cytometry and DNA damage evaluation techniques.

Research Assistant, Dr. Rana Dajani, The Hashemite University, Zarqa, Jordan **Mar 2013 – Nov 2013**

- Genetic Structure and Type-2 Diabetes Risk in the Circassian and the Chechan Populations of Jordan.

Medical intern, Ministry of Health, Irbid, Jordan. **Jun 2012 – Jun 2013**

Conferences, meetings and seminars.

- **Saleh T**, Alotaibi MR, Sharma K, Gewirtz DA. The role of autophagy in sensitization to chemotherapy in non-small cell lung cancer cells. 2015 Cancer Research Retreat. Annual Conference of VCU Massey Cancer Center; 2015 May 22; Richmond, VA.
- **Saleh T**, Thekkudan T, Alotaibi MR, Gewirtz DA. Proliferative recovery after chemotherapy induced senescence in non-small cell lung cancer as a model of tumor dormancy and disease recurrence. 2016 American Association for Cancer Research Annual Meeting, New Orleans, LA.
- Alotaibi MR, **Saleh T**, Povirk L, Gewirtz DA. Autophagy, Senescence and Proliferative Recovery Subsequent to DNA Damage in Radiation Sensitization by PARP Inhibition. 2016 American Association for Cancer Research Annual Meeting, New Orleans, LA.
- Tyutyunyk-Massey L, **Saleh T**, Thekkudan T and Gewirtz DA. Autophagy and senescence as possible mechanisms leading to proliferative recovery and escape from treatment induced tumor dormancy. 2017 American Association for Cancer Research Annual Meeting, Washington, DC.

- Tyutyunyk-Massey L., **Saleh T**, Landry J and Gewirtz DA. Synergistic effects of chemotherapy-induced autophagy and epigenetic remodeling. 2017 American Association for Cancer Research Annual Meeting, Washington, DC.
- **Saleh T** and Gewirtz DA. Proliferative recovery and reversibility of therapy-induced senescence in non-small cell lung cancer. The Annual Meeting 94, Virginia Academy of Science, May 18-20, 2016, Frederiksberg, VA.

Publications

1. Saleh T, Tyutyunyk-Massey L, Gewirtz DA. Tumor Cell Escape from Therapy-Induced Senescence as a Model of Disease Recurrence after Dormancy. Cancer Res. 2019;79(6):1044–6.
2. Saleh T, Tyutyunyk-Massey L, Murray GF, Alotaibi MR, Kawale AS, Elsayed Z, et al. Tumor cell escape from therapy-induced senescence. Biochem Pharmacol. 2019;162:202–12.
3. Xu J, Patel NH, Saleh T, Cudjoe EK, Alotaibi M, Wu Y, et al. Differential Radiation Sensitivity in p53 Wild-Type and p53-Deficient Tumor Cells Associated with Senescence but not Apoptosis or (Nonprotective) Autophagy. Radiat Res. 2018;190(5):538–57.
4. Saleh T, Tyutyunyk-Massey L, Cudjoe EK, Idowu MO, Landry JW, Gewirtz DA. Non-Cell Autonomous Effects of the Senescence-Associated Secretory Phenotype in Cancer Therapy. Front Oncol. 2018;8(164):1–14.
5. Cudjoe EK, Saleh T, Hawkridge AM, Gewirtz DA. Proteomics Insights into Autophagy. Proteomics. 2017;17(20).
6. Dajani R, Li J, Wei Z, March ME, Xia Q, Khader Y, et al. Genome-wide association study identifies novel type II diabetes risk loci in Jordan subpopulations. PeerJ. 2017;5:e3618.
7. Saleh T, Cuttino L, Gewirtz DA. Autophagy is not uniformly cytoprotective: a personalized medicine approach for autophagy inhibition as a therapeutic strategy in non-small cell lung cancer. Biochim Biophys Acta. 2016;1860(10):2130–6.
8. Alotaibi M, Sharma K, Saleh T, Povirk LF, Hendrickson EA, Gewirtz DA. Radiosensitization by PARP Inhibition in DNA Repair Proficient and Deficient Tumor Cells : Proliferative Recovery in Senescent Cells. Radiat Res. 2016;185(3):229–45.