Georgetown University School of Nursing & Health Studies

Past Honors in Human Science Senior Theses

2018

• Sarah Joseph. Temperature-dependent sorting of fluorescent protein-tagged tyrosinases to the melanosome. Honors. (Advisor: Alex Theos)
• Noori Srivastava. The Role of DmBlm in Double-strand Break Repair and Gene Conversion. Honors. (Advisor: Jan LaRocque)
• Larissa Wietlisbach. A stressful study! Prenatal stress identified as a risk factor for Neuroblastoma development and malignancy in offspring. Honors. (Advisor: Jason Tilan)
• Danielle Zamalin. Identification of SpCas9-Specific Immune Response in Immunocompetent Mice. Honors. (Advisor: Alex Theos)

2016

• Rachel Acree. Investigating the Role of NPY in Ewing Sarcoma Metastasis Formation. Honors with Distinction. (Advisor: Jason Tilan)
• Jeff Haake. Uncovering the Mechanisms behind Rad51 Misregulation in Response to Strigolactone Treatment in Cancer Cells. Honors with Distinction. (Advisor: Ronit Yarden)
• Margaret Krackeler. Characteristics and Behaviors of Male College Student Smokeless Tobacco Users: Nicotine Dependence and Cessation Attempts. Honors. (Advisor: Joan Riley)
• Jennifer LaPier. Investigating the combined effects of Strigolactone and PARP inhibitor in cancer cells as a potential synthetically lethal drug combination. Honors with Distinction. (Advisor: Ronit Yarden)
• Neha Rajpal. Barriers and Facilitators to BRCA1 and BRCA2 Genetic Counseling among at-risk Latina Breast Cancer Survivors in Washington D.C. Honors with Distinction. (Advisor: Joan Riley)
• Pallavi Tatapudy. The Function of RECQ1 in Genome Stability and its Conservation Across Species. Honors. (Advisor: Jan LaRocque)
• Yuzana Khine Zaw. Targeting Mutant p53 in the Growth Inhibition of Human Oral Cancer. Honors. (Advisor: Alex Theos)

2015

• Anthony Do. Determining the role of mismatch repair in suppressing recombination between diverged sequences. Honors With Distinction. (Advisor: Jan LaRocque)
• Christopher Grivas. Strigolactones Compromise Microtubule Integrity and Inhibit Invasive Properties in Cancer Cells. Honors With Distinction. (Advisor: Ronit Yarden)
• Yuhao (Tom) Shi. Rac1-mediated DNA damage and inflammation promote Nf2 tumorigenesis but also limit cell cycle progression by inducing p53 checkpoint and cellular senescence. Honors With Distinction. (Advisor: Jason Tilan)
• Victor Wang. Strigolactone analogue induced reactive oxygen species activate pro survival responses prior to apoptosis in cancer cells. Honors With Distinction. (Advisor: Ronit Yarden)
• James Nolan. Investigating the Role of BRCA1 and Posttranslational Modifications in the DNA Damage Response. Honors With Distinction. (Advisor: Ronit Yarden)
2014

- David Christian. Prenatal Stress Enhances Neuroblastoma Development and Progression Through the Neuropeptide Y system. Honors With Distinction. (Principal Investigator: Joanna Kitlinska, PhD, Mentor: Jason Tilan, PhD)
- Melissa Metcalf. Internally Tagged Glycoprotein Non-metastatic Melanoma Protein B (GPNMB(HT)i) Overexpressed in ARPE19-NHT cells: A Model System for GPNMB Function. (Advisor: Alex Theos, PhD)
- Alexandra Pietraszkiewicz. The G2/M Key Regulator, Cyclin B, is SUMOylated in Response to DNA Damage. (Advisor: Ronit Yarden, PhD)

2013

- Ryan Bellmore. A Characterization of the Site-specific Dephosphorylation of Microtubule-associated Protein 2 in Response to Neuronal Activity. (Advisor: Maureen Basha, PhD)
- Petar Georgiev. Quantifying Levels of Nicotinic Acetylcholinergic Receptor Ligands In Serum and In Brain. (Advisor: JP Hyatt, PhD)
- Neha Jejurikar. Understanding Subcellular Location of GPNMB Points to Putative Biological Function of the Protein as a Potential Driver of Tumor Progression (Advisor: Alex Theos, PhD)
- Danielle LoRe. Eye Movements and EEG Activity During Task Performance Reveal Personalized Brain Dynamics for Coping with Fear and Anxiety. (Advisor: Alex Theos, PhD)
- Colin Ryan. Strigolactones Cause Cell Cycle Arrest and Apoptosis via Formation of DNA Double-Strand Breaks (Advisor: Ronit Yarden, PhD)
- Madeline Tadley. Investigating the Role of ESCRT in the Intracellular Transport of GPNMB in Human Melanoma. Honors With Distinction. (Advisor: Alex Theos, PhD)
- Scott Wisniewski. EGFP-tagged Temperature-Sensitive Tyrosinase as a Tool for Tracking ER Exit and Potential Protein Refolding. (Advisor: Alex Theos, PhD)

2012

- Dana Alsaadi. Msx1 Expression Analysis in Endometrioid Ovarian Epithelial Carcinoma. Honors with distinction.
- Ashley Huber. Resveratrol Treatment in Rhesus Macaques has Minimal Influence on Skeletal Muscle Genotypic Expression and Glycolytic/Oxidative Enzyme Activity. Honors with distinction.

2011


2010
• Laura T. Boitano. The effects of yoga on the immune status of breast cancer patients treated with chemotherapy. Honors.
• Brigitte L. Granger. Impact of studying abroad on U.S. college students' tobacco use. Honors with distinction.
  Kaileen Rohr. Complex Dysregulation of Cytokine Production in XLA monocytes following TLR and Bacterial Stimulation. Honors.

2009

• Bridget Dowd. Cysteine residues within the fractalkine-like domain of the attachment G glycoprotein of respiratory syncytial virus play a critical role in the cytotoxic T-lymphocyte response upon infection. Honors.
• Stephanie M. Zare. Navicular drop not static arch height is a better predictor of stress fracture risk in male athletes. Honors with Distinction.

2008

• Emily M. Herzberg. PDE-5 inhibitor use and associated risk behavior HIV- patterns among positive males at an urban HIV clinic in Washington, DC. Honors with Distinction.
• Caitlin Wallach. Comparative Pharmacokinetic Parameters of Intravenously Administered Ravuconazole in Healthy and Neutropenic Rabbits with Pulmonary Aspergillosis. Honors.