ALEX SOUPIR

Moffitt Cancer Center
Tampa, FL 33612

EDUCATION

Postdoc Fellow	Moffitt Cancer Center, Molecular Biology/Biostats	May 2022
PhD	South Dakota State University, Biology - Microbiology	May 2020
Graduate Certificate	South Dakota State University, Data Science	May 2020
BS	South Dakota State University, Biology – Pre-Professional	Dec 2016

HONORS, AWARDS, AND CERTIFICATIONS

AWS Computer Vision: Getting Started with GluonCV   August 2020
Learning the ground basics of using GluonCV for image segmentation
and object recognition.

Python for Genomic Data Science   July 2020
Learning the basics of string manipulation in the context of
bioinformatics.

AgEagle RX60 Training   May 2019
Certification of training completion for AgEagle RX60 Drone.

Next Generation Sequencing Certificate   July 2018
Next Generation Sequencing Workshop that lead to the identification of a novel bacterial
endophyte isolate from soybean seed.

Collegiate Assessment of Academic Proficiency   2016
Scoring above the national average (97th percentile) on the
Science Collegiate Assessment of Academic Proficiency exam.

Applied Research Scientist I, Moffitt Cancer Center, Tampa, FL   May 2022 – Current
Advisor: Brooke Fridley (Bioinformatics and Biostatistics)
- Bioinformatics
    - Large sarcoma cohort landscape analyses which include analysis of mutational and copy number data
    - Large ovarian cancer cohort tissue microarray data analysis associating spatial characteristics of immune cells in the tumor microenvironment to patient survival
- Develop Web Applications and R Packages
    - spatialTIME and iTIME
    - spatialGE
    - Mass spectrometry data analysis application

Postdoctoral Fellow, Moffitt Cancer Center, Tampa, FL   May 2020 – April 2022
Advisors: Liang Wang (Tumor Biology)
- Alternative Splicing Primer Design
    - Design multiplex assay to detect correlated splicing variants in renal cell carcinoma patients (Brandon Manley)
    - Grant application to Bankhead Coley for further exploration of applications in dPCR biomarkers (Brandon Manley, Erin Siegel)
- Multiomic Application to cfExosomes
    - Exosome extraction from patient plasma sample (healthy, lung cancer, prostate cancer patients)
    - Proteomic, Metabolomic, Lipidomic data analysis
    - Biomarker panel discovery
- Whole Exome sequencing of Upper Tract Urothelial Carcinoma patients to identify patient specific mutations for use in multiplex assay design
    - Awarded JSRP Research funds to conduct preliminary study
    - Collect patient blood samples from tissue core
    - Compare whole exome sequencing profile of blood samples to FFPE tumor tissue samples for somatic mutation identification
Advisor: Brooke Fridley (Bioinformatics and Biostatistics)
- Develop Web Applications
    - R, Shiny, Tidyverse, ggplot2
    - iTIME.moffitt.org
    - iRandomize.moffitt.org
    - GitHub
- Immune Deconvolution of Transcriptome Data
    - Identification of differences in immune signatures between races
    - Simulation of immune signatures for clustering method comparison
- Spatial Point Pattern analysis of tumor microenvironment in collaboration with researcher

Graduate Research Assistant, SDSU, Brookings, SD   Jan 2017 to May 2020

Moffitt Cancer Center, Tampa, FL   Sept to Current, 2020
Postdoctoral Mentor, Molecular Biology

SDSU, Brookings, SD   Aug to Dec 2018, 2019
Graduate Teaching Assistant, Microbiology

SDSU, Brookings, SD   Jan 2017 to Dec 2018
Graduate Mentor to Undergraduate Students, Biology/Microbiology

PUBLICATIONS

Manuscripts
1. **Alex C Soupir**, Paul Stewart, Yury Nunez Lopez, Brandon J Manley, Bruna Pellini, Jingsong Zhang, Qianxing Mo, Douglas C. Marchion, Min Liu, John Koomen, Erin M Siegel, Liang Wang. Effects of plasma exosome isolation methods on detectable multiomic profiles in cancer patients and healthy controls. *nt. J. Mol. Sci.* 2023, 24(3), 1830; https://doi.org/10.3390/ijms24031830
2. Teemu Daniel Laajala, Varsha Sreekanth, **Alex Soupir**, Jordan H Creed, Federico Calboli, Kalaimathy Singaravelu, Michael Orman, Christelle Colin-Leitzinger, Travis Gerke, Brooke Fidley, Svitlana Tyekucheva, James C Costello. curatedPCaData: Integration of clinical, genomic, and signature features in a curated and harmonized prostate cancer data resource. *bioRxiv.org.* 2023; doi.org/10.1101/2023.01.17.524403
3. Andrew Chang, Nicholas H. Chakiryan, Dongliang Du, Paul A. Stewart, Yonghong Zhang, Yijun Tian, **Alex C. Soupir**, Kiah Bowers, Bin Fang, Ashley Morganti, Jamie K. Teer, Youngchul Kim, Philippe E. Spiess, Jad Chahoud, Jerald D. Noble, Anders E. Berglund, Timothy J. Robinson, John M. Koomen, Liang Wang, Brandon J. Manley. Proteogenomic, epigenetic and clinical implications of recurrent aberrant splice variants in clear cell renal cell carcinoma. *European Urology*. 2022
4. Oscar E Ospina, Christopher M Wilson, **Alex C Soupir**, Anders Berglund, Inna Smalley, Kenneth Y Tsai, Brooke L Fridley, spatialGE: quantification and visualization of the tumor microenvironment heterogeneity using spatial transcriptomics, *Bioinformatics*. 2022; btac145
5. Christopher Wilson*, **Alex C Soupir***, Ram Thapa, Jordan Creed, Jonathan Nguyen, Carlos Moran Segura, Travis Gerke, Joellen Schildkraut, Lauren Peres, Brooke L. Fridley. Tumor immune cell clustering and its association with survival in African American women with ovarian cancer. *PLOS Computation Biology*. 2022.
6. Heather L. Huelster, Elizabeth A. Green, **Alex C. Soupir**, Esther N. Katende, Kyle M. Rose, Shreyas U. Naidu, Scott Michael Gilbert, Brandon J. Manley, Michael Adam Poch, Wade J. Sexton, Philippe E. Spiess, Alice Yu, Youngchul Kim, Pan Du, Shidong Jia, Il-Jin Kim, Lu Tan, Liang Wang, and Roger Li. Novel use of ctDNA to identify locally advanced and metastatic upper tract urothelial carcinoma. *Journal of Clinical Oncology*. 2022.

7. Tian Y, **Soupir A**, Liu Q, Wu L, Huang CC, Park J, Wang L. Novel Role of Prostate Cancer Risk Variant rs7247241 on *PPP1R14A* Isoform Transition through Allelic TF Binding and CpG Methylation. *Human Molecular Genetics 2021*.

8. Jinyong Huang, **Alex C. Soupir**, Brian Schlick, Mingxiang Teng, Ibrahim Sahin, Jenny Permuth, Erin Siegel, Brandon manley, Bruna Pellini, Liang Wang. Cancer detection and classification by CpG island hypermethylation signatures in plasma cell-free DNA, *Cancers*, 2021

9. Jinyong Huang, **Alex C. Soupir**, Liang Wang. Cell-free DNA methylome profiling by MBD-seq with ultra-low input, *Epigenetics*. 2022 doi: 10.1080/15592294.2021.1896984

10. Jordan H Creed, Christopher M Wilson, **Alex C Soupir**, Christelle M Colin-Leitzinger, Gregory J Kimmel, Oscar E Ospina, Nicholas H Chakiryan, Joseph Markowitz, Lauren C Peres, Anna Coghill, Brooke L Fridley, spatialTIME and iTIME: R package and Shiny application for visualization and analysis of immunofluorescence data, *Bioinformatics*, 2021;, btab757, 10.1093/bioinformatics/btab757

Book Chapters

1. Oscar E Ospina, **Alex Soupir**, Brooke L Fridley. A Primer on Preprocessing, Visualization, Clustering, and Phenotyping of Barcode-Based Spatial Transcriptomics Data. In: Statistical Genomics 2023. DOI 10.1007/978-1-0716-2986-4_7

2. Kafle A, Garcia K, Peta V, Yakha J, **Soupir A**, Bücking H. Beneficial Plant Microbe Interactions and Their Effect on Nutrient Uptake, Yield, and Stress Resistance of Soybeans. In: Kasai M, editor. Soybean - Biomass, Yield and Productivity: IntechOpen; 2019.DOI: 10.5772/intechopen.81396

Consortium

1. Nima Aghaeepour, Gaia Andreoletti, Benan Bardak, Madhuchhanda Bhattacharjee, Gaurav Bhatti, Michael Blair, Huiyuan Chen, Feng Cheng, Tinnakorn Chiaworapongsa, Changje Cho, Junseok Choe, Mohit Choudhary, James C. Costello, Istvan Csabai, Yang Dai, Ophilia Danie, Bikram K. Das, Francisco de Abreu e Lima, Anjali Dhall, Bogdan Done, Işıksu Ekşioğlu, Bogdan N. Gavrilovic, Nardhy Gomez-Lopez, Yuanfang Guan, Akshay Gupta, Romeharsh Gupta, Rohan Gurve, Dániel Györffy, Sonia S. Hassan, Eric D. Hill, Chaur-Dong Hsu, Jinseub Hwang, Yuguang F. Ipsen, Rıza Işık, Priyansh Jain, Pratheepa Jeganathan, Sujae Jeong, Chan-Seok Jeong, Anshul Jha, JinZhu Jia, Jaewoo Kang, Hyojin Kang, Gaurang A. Karwande, Harpreet Kaur, Hannah Kim, Keonwoo Kim, Sunkyu Kim, Dohyang Kim, Junseok Kim, Jongtae Kim, Min-Jeong Kim, Amrit Koirala, Adriana F. König, Prachi Kothiyal, Vladimir B. Kovacevic, Aleksandra V. Kovacevic, Shiu Kumar, Chandrani Kumari, Christoph F. Kurz, Rintu Kutum, Taeyong Kwon, Thuc D. Le, Kyeongjun Lee, Hyungyu Lee, Dawoon Leem, Shuya Li, Weng Khong Lim, Xinyue Liu, Yunan Luo, Bahattin C. Maral, Suyash Mishra, Yeongeun Nam, Leelavati Narlikar, Thin Nguyen, Zoran Obradovic, Hyeju Oh, Kousuke Onoue, Hyojung Paik, Wenchu Pan, Bogyu Park, Balint Armin Pataki, Sumeet Patiyal, Jian Peng, Dimitri Perrin, Kaike

Ping, Alidivinas Prusokas, Augustinas Prusokas, Peng Qiu, Gajendra P.S. Raghava, Derek Reiman, Renata Retkute, Roberto Romero, Nay Min Min Thaw Saw, Neelam Sharma, Alok Sharma, Ronesh Sharma, Rahul Siddharthan, Musalula Sinkala, Marina Sirota, **Alex Soupir**, Marija Stanojevic, Gustavo Stolovitzky, Yufeng Su, Alexander M. Sutherland, András Szilágyi, Mehmet Tan, Adi L. Tarca, Nandor G. Than, Buu Truong, Edwin Vans, Fangping Wan, Rohan B.H. Williams, Wendy S.W. Wong, Jeong Woong, Li Xiaomei, Dongchan Yang, Sanghoo Yoon, Dakota York, James Young, Thomas Yu, Wei Zhu. 2020. Crowdsourcing assessment of maternal blood multi-omics for predicting gestational age and preterm birth: The DREAM Preterm Birth Prediction Challenge Consortium. bioRxiv doi:10.1101/2020.06.05.130971:2020.06.05.130971. -> Published in Cell Reports Medicine

Manuscripts in Revision/Preparation (indicates first co-authorship)*
1.   **Alex Soupir**, Mary K. Townsend, Jonathan Nguyen, Carlos Moran Segura, Daryoush Saeed-Vafa, Oscar E. Ospina, Lauren C. Peres, Jose R. Conejo-Garcia, Kathryn L. Terry, Shelley S. Tworoger, Brooke L. Fridley. Spatial clustering of cytotoxic and tumor infiltrating lymphocytes is associated with overall survival in women with high grade serous ovarian cancer. [Submitted to American Journal of Epidemiology]
2.   **Alex C Soupir**, Taylor C Peak, Oscar Ospina, Nicholas H Chakiryan, Natasha L. Francis, Paola M. Ramos Echevarria, Jad Chahoud, Roger Li, Kenneth Y. Tsai, Jodi A. Balasi, Yamila Caraballo Peres, Jasreman Dhillon, Lindsey A. Martinez, Warren E. Gloria, James Mulé, Brooke L Fridley, Brandon J Manley. Single Cell Spatial Analysis Identifies Enriched Transcriptomic and Spatial Patterns Among Immunotherapy Resistant Clear Cell Renal Cell Carcinoma Tumors. [Submitted to Genome Biology]
3.   **Alex C Soupir**, Julia Wrobel, Jordan Creed, Christopher Wilson, Oscar Ospina, Brooke Fridley. mIFsim: Simulation of spatial multitype marks of biological data. [Submitted to Bioinformatics Application Notes]
4.   Oscar E Ospina, **Alex C Soupir**, Roberto Manjarres-Betancur, Guillermo Gonzalez-Calderon, Xiaoqing Yu, Brooke L Fridley. Differential gene expression analysis of spatial transcriptomic experiments using spatial mixed models. [In Prep]

DATA SCIENCE CHALLENGES

DREAM Preterm Birth Predictions Challenge, Transcriptomics. Determination of human gestational age by mother blood transcriptome. Synapse.org (Keras Deep Learning). 2019

PRESENTATIONS AND INVITED LECTURES

Invited Talk: "What is spatially resolved transcriptomics and How can it be used to help understand the tumor microenvironment of ccRCC", **Alex Soupir**, BioTrac RNA-Seq: Principles, Methods & Computational Analysis, July 2023

Poster Presentation: "Single Cell Spatial Analysis Identified Enriched Transcriptomic and Spatial Patterns Among Immunotherapy Resistant Clear Cell Renal Cell Carcinoma Tumors", Alex C Soupir, Taylor C Peak, Oscar Ospina, Nicholas H Chakiryan, Natasha L Francis, Paola M Ramos Echevarria, Jad Chahoud, Roger Li, Kenneth Y Tsai, Jodi A Balasi, Yamila Caraballo Peres, Jasreman Dhillon, Lindsey A Martinez, Warren E Gloria, James Mulé, Brooke L Fridley, Brandon J Manley. Kidney Cancer Research Summit 2023, July 2023

Poster Presentation: "Spatial context of spatial molecular imaging aids in identification of differences between immunotherapy responders and non-responders in clear cell renal cell carcinoma", Alex C Soupir, Taylor C Peak, Oscar Ospina, Nicholas H Chakiryan, Natasha L Francis, Paola M. Ramos Echevarria, Kenneth Y Tsai, Jodi A Balasi, Yamila Caraballo Peres, Jasreman Dhillon, Lindsey A Martinex, Warren E Gloria, James Mulé, Brandon J Manley, Brooke L Fridley. Moffitt Scientific Symposium 2023, May 2023

Invited Talk and Poster: "An Analysis of the Transcriptomic and Mutational Landscape of Soft Tissue Sarcomas", **Alex Soupir**, Oscar Ospina, Dale Hedges, Qi Zhang, Michael Radmacher, Saman Zeeshan, Nathan Seligson, Phaedra Agius, David Liebner, Michelle Churchman, Oliver Hampton, Jamie Teer, Brooke Fridley, Andrew Brohl. M2Gen ORIEN Symposium, March 2023

Poster Presentation: "High Abundance and Low spatial Clustering of Tumor Infiltrating Lymphocytes Associate with Best Overall Survival of High Grade Serous Ovarian Cancer", **Alex C Soupir**, Christopher M Wilsom, Mary Townsend, Jonathan Nguyen, Carlos Moran Segura, Joellen M Schildkraut, Lauren C Peres, Kathryn L Terry, Shelley S Tworoger, Brooke Fridley. 2022 Cold Spring Harbor meeting: Biological Data Science, November 2022

Invited Talk: "Effects of plasma exosome isolation methods on detectable multi-omic profiles in cancer patients and healthy controls", **Alex Soupir**, Erin Siegel, Liang Wang. National Institutes of Health Liquid Biopsy Research Interest Group, September 2022

Co-author Poster Presentation (Dr. Heather Huelster): "Novel Use of ctDNA to identify Muscle-Invasive and Non-Organ-Confined Upper Tract Urothelial Carcinoa", Heather L Huelster, Elizabeth A. Green, **Alex C. Soupir**, Kyle M. Rose, Esther N. Katende, Shreyas U. Naidu, Scott Michael Gilbert, Brandon J. Manley, Michael Adam Poch, Wade J. Sexton, Alice Yu, Philippe E. Spiess, Pan Du, Shidong Jia, Il-Jin Kim, Lu Tan, Liang Wang, Roger Li. 2022 ASCO June 2022

Workshop (Co-leader with Jordan Creed): "Spatial clustering of immune cells from multiplex immunofluorescence using R package spatialTIME and iTIME application", Jordan Creed, **Alex Soupir**, Brooke Fridley. American Stastical Association Statistical Methods in Imaging 2022, May 2022

Poster Presentation: "Spatial clustering of immune cells in diffuse large B-cell lymphoma show association with CAR-T therapy response", **Alex C Soupir**, Jonathan V Nguyen,

Carlos M Moran Segura, Mohammad Hussaini, Marco Davila, Fred Locke, Michael D Jain, Brooke L Fridley. Moffitt Scientific Symposium 2022, May 2022

Poster Presentation: "Effects of plasma exosome isolation methods on detectable multiomic profiles in cancer patients and healthy controls", **Alex C Soupir**, Paul Stewart, Yury Nunez Lopez, Brandon J Manley, Bruna Pellini, Jingsong Zhang, Qianxing Mo, Douglas C. Marchion, Min Liu, John Koomen, Erin M Siegel1, Liang Wang. American Association of Cancer Research 2022, April 2022

Poster Presentation: "Immune Cell Clustering in Ovarian Cancer Tumors and its Association with Survival", **Alex C. Soupir**, Christopher Wilson, Joellen M. Schildkraut, Lauren C. Peres, Brooke L. Fridley. American Association of Cancer Research 2022, April 2022

Co-author Poster Presentation (Dr. Yijun Tian): "Multiomic single cell sequencing identified regulatory elements in prostate cells", Yijun Tian, **Alex Soupir**, Liang Wang. American Association of Cancer Research 2022, April 2022

Mentored Poster Presentation (J. Thomas Watsom): "Comparison of clustering approaches for determining immune subtypes in prostate cancer tumors", J. Thomas Watson, **Alex C Soupir**, Daniel Laajala, Varsha Sreekanth, Svitlana Tyekucheva, James Costello, Brooke Fridley. Eastern North American Region International Biometric Society, March 2022

Co-author Poster Presentation (Dr. Heather Huelster): "Novel Use of ctDNA to Identify Locally Advanced and Metastatic Upper Tract Urothelial Carcinoma", Heather L Huelster, Elizabeth A. Green, **Alex C. Soupir**, Esther N. Katende, Kyle M. Rose, Shreyas U. Naidu, Scott Michael Gilbert, Brandon J. Manley, Michael Adam Poch, Wade J. Sexton, Philippe E. Spiess, Alice Yu, Youngchul Kim, Pan Du, Shidong Jia, Il-Jin Kim, Lu Tan, Liang Wang, Roger Li. American Society of Clinical Oncology 2022, Feb 2022

Co-author Poster Presentation (Dr. Andrew Chang): "Proteogenomic and clinical implications of unique recurrent splice variants in clear cell renal cell carcinoma", Andrew Chang, Paul Stewart, Nicholas Haig Chakiryan, **Alex C. Soupir**, Yijun Tian, Dongliang Du, Jamie K. Teer, Youngchul Kim, Philippe E. Spiess, Jad Chahoud, Yonghong Zhang, John M Koomen, Anders E. Berglund, Liang Wang, Timothy J. Robinson, Brandon J. Manley. American Society of Clinical Oncology 2022, Feb 2022

Co-author Poster Presentation (Dr. Andrew Chang): "Expression of aberrant splice variants are strongly associated with clinical outcome in clear cell RCC", Andrew Chang, Nicholas Chakiryan, Paul Stewart, **Alex Soupir**, Yijun Tian, Dongliang Du, Jamie Teer, Youngchul Kim, John Koomen, Anders Berglund, Timothy Robinson, Liang Wang, Brandon Manley. Society of Urologic Oncology 2021, December 2021

Co-author Poster Presentation (Dr. Paul Stewart): "Integrated proteogenomic analysis reveals novel splice variants are associated with actionable alterations in the clear cell renal

cell carcinoma proteome", Paul A. Stewart, Nicholas H. Chakiryan, Andrew Chang, Dongliang Du, Yonghong Zhang, **Alex C. Soupir**, Yijun Tian, Tim J. Robinson, Liang Wang, Jamie K. Teer, Youngchul Kim, Anders E. Berglund, John M. Koomen, Brandon J. Manley. Society of Urologic Oncology 2021, December 2021

Oral Presentation, "Using Shiny to Create Dashboards for Multiplex Immunofluorescence Analysis and Visualization," Python for Data Science Series – Moffitt Cancer Center, July 2021

Oral Presentation, "Leveraging Bacterial Endophytes as Bio-fertilizer Products," Corothers Life Science Series – South Dakota State University, Oct 2019

Oral Presentation, "Next Generation Sequencing with High Performance Computing," Research Symposium 2019 – South Dakota State University, Sept 2019

Poster Presentation, "Finding the Needle in a Haystack – The Development of Microbial Fertilizers or Pesticides for Environmentally Sustainable Agriculture," Rhizosphere 5, July 2019.

Poster Presentation, "Using Bacterial Endophytes as Microbial Fertilizers to Increase Crop Production," North Central Branch – American Society of Microbiology, Sept 2018.

PLANNED UPCOMING PRESENTATIONS

Invited Talk: "Simulating and Assessing the Spatial Clustering of Immune Cells in the Tumor Microenvironment using R package scSpatialSIM", **Alex Soupir**, Julia Wrobel, Jordan Creed, Oscar E Ospina, Lauren C Peres, Brooke L Fridley, ENAR 2024, March 2024

Co-author Poster Presentation (Dr. Mitchell Hayes): Hayes M, **Soupir A**, Peak T, Ospina O, Nguyen J, Chakiryan N, Francis N, Ramos Echevarria P, Tsai K, Balasi J, Caraballo Peres Y, Dhillon J, Martinez L, Gloria W, Mule J, Fridley B, Manley B. (2024, Jan 25-27). Increased spatial coupling of integrin and collagen IV in the immunoresistant clear cell renal cell carcinoma tumor microenvironment [abstract]. ASCO Genitourinary Cancers Symposium, San Francisco, CA, United States.

Co-author Poster Presentation (Dr. Mitchell Hayes): Hayes M, Sabitov K, **Soupir A**, Peak T, Nguyen J, Moran-Segura C, Saeed-Vafa D, Lopez-Blanco N, Ramos Echevarria P, Guske C, Balasi J, Dhillon J, Kim Y, Mule J, Fridley B, Manley B. (2024, Jan 25-27). Spatial analysis of the tumor immune cell microenvironment in papillary renal cell carcinoma [abstract]. ASCO Genitourinary Cancers Symposium, San Francisco, CA, United States.

PROFESSIONAL TRAINING

CITI Program
SDSU - A course for those interested or focused on Physical Science research. Oct 2018
Moffitt Cancer Center – Conflicts of Interest. May 2020

Moffitt Cancer Center – CITI Good Clinical Practices Course. July 2020
Moffitt Cancer Center – Biomedical Research. July 2020

Next Generation Sequencing Workshop
SDSU, Brookings, SD, June-July 2018
Description: Learned how to create sequencing libraries from genomic DNA, load the MiSeq sequencer, and process the raw reads to create draft genomes which lead to the identification of a novel bacterial species.

COMMITTEE INVOLVEMENT

Bio-Data Organization Committee
- Organize meetings for general audiences
- Find speakers to present and share tools

Moffitt Post Doc Association – President
- Organize monthly activities for postdoctoral fellows to educate them in career opportunities available after fellowship is completed.
- Act as liaison for postdocs and research scientists with the greater Moffitt Institution

Moffitt Postdoctoral Association – Science Advocacy Chair (June 2020 – Present)
- Organize Moffitt Postdoc involvement in Rally for Medical Research Hill Day with legislators from Florida
- Aid in getting Moffitt Postdocs (140 individuals) involved in events other than the typical day-to-day research tasks with varying committees lead by other Moffitt Postdoc Association Chairs
- Lead Science Advocacy Committee working with Moffitt Government Relations department, Foundation, and Community Outreach groups to bring the importance of science to a broader audience

FUNDING

Moffitt Pilot Grant: Development of a web application for analyses involving metabolites, lipids, and proteins - $25,000. 2023 – 2024. MPI

Moffitt Junior Scientist Research Partnership: Novel Use of ctDNA to Identify Non-Organ Confinement in Patients with UTUC - $10,000. 2020 - 2022

COMPUTER SKILLS

Programming: R/R Studio (competent), Python (novice), SQL (novice), Bash (novice), C++ (novice)

Applications: R/R Studio, Microsoft Office, High Performance Computing (Command-Line Linux), UseGalaxy.org, CLC Genomics Workbench, BaseSpace, Git Version Control, Jupyter Lab/Notebook

Platforms: Windows, Linux

OTHER

Websites:

LinkedIn	https://linkedin.com/in/alexsoupir
Kaggle	https://www.kaggle.com/acsoupir
GitHub	https://github.com/ACSoupir
YouTube	https://www.youtube.com/alexsoupir
Personal Website	https://www.alexsoupir.com

Citizenship: United States of America