

## UC Cancer Research Coordinating Committee

### Diversity and Disparities in Cancer Research Traineeship Supplement

Beginning in 2020, CRCC Faculty Seed Grant recipients have had the opportunity to request an award supplement of up to \$10,000 to support undergraduate students, post-baccalaureates, or first year master's students from underrepresented communities or whose research addresses the impact of cancer in underserved communities. Each principal investigator (PI) faculty sponsor listed below received an award supplement that enabled them to provide cancer-related research training opportunities over the course of their CRCC grants.

#### Summary of Supplement Recipients

Award Cycle	# Suppl	# Trainees and Type	Campuses	PI NAP	PI REG
2020-21	10	12: 11 Undergraduates, 1 Post-baccalaureate	7: Davis, Irvine, Merced, Riverside, Santa Cruz, San Diego, San Francisco	6	4
2021-22	10	14: 11 Undergraduates, 2 Post-baccalaureates, 1 Master's student	5: Irvine, Riverside, Santa Barbara, Santa Cruz, San Diego	6	4
2022-23	10	10: 8 Undergrads, 1 Post-baccalaureate, 1 Master's student	6: Berkeley, Davis, Merced, Santa Barbara, San Diego	5	5

#### Summary of 2020-21 Supplements

PI Faculty Sponsor	Campus	Project Title	Trainee Name
Remi Buisson	Irvine	A DNA Damage Dependent Regulation of Apobec3a by the Innate Immune System in Cancer Cells	Amborcio Sanchez
Xuecai Ge	Merced	Control of the Hedgehog pathway by cilium proteins	Oscar Torres Gutierrez
Michael Hoyt	Irvine	Biobehavioral Intervention to Reduce Adverse Outcomes in Young Adult Latinos with Testicular Cancer	Raymond Carrillo Ceja
Chang-il Hwang	Davis	Epigenetic landscape of DNA methylation in pancreatic cancer progression	Mehal Patel
Timothy Johnstone	Santa Cruz	Antileukemic organoarsenicals as safe and effective alternatives to arsenic trioxide	Sophia Hollow
Kevin Kou	Riverside	Synthesis of Benzylisoquinoline Alkaloids as Antimitotic Agents for Cancer Therapy	Renata Bath Sabrine Hossain Beter Zaki
Colleen McHugh	San Diego	Exploring the functions of conserved long non-coding RNAs in cancer cell growth	Calvin Huang
Loren Mell	San Diego	"Lymphomizing" Treatment of Head and Neck Cancer using Involved Field RT with Chemo-Immunotherapy	Hannah Liu
Robert Warren	San Francisco	Elucidating Heterogeneity in the Microenvironment of Colorectal Cancer at Single-Nucleus Resolution	Noura Tbeileh
Soichiro Yamada	Davis	Molecular basis of force-sensing by keratin network	Gabriella Lai

### Summary of 2021-22 Supplements

PI Faculty Sponsor	Campus	Project Title	Trainee Name
Tayloria Adams	Irvine	Electrical Impedance Spectroscopy for Monitoring the Chemoresistance of Prostate Cancer Cells	Luis Henriquez
Emilie Dressaire	Santa Barbara	Engineered vasculature for long-term culture of tumoroids: in-situ polymerization of scaffolding	Lauren Crisotomo
Christina Jamieson	San Diego	Identification of novel Clic1 inhibitors for the treatment of cancer	Evodie Koutouan
Andrej Luptak	Irvine	Role of cytoplasmic polyadenylation element binding protein 3 (CPEB3) ribozyme in cancer	Joshua Valenzuela
Nicholas Pannunzio	Irvine	Etiology of Ph-like ALL and the mechanisms driving Latinx cancer disparities	Aya Garawi Samuel Kim
Dionicio Siegel	San Diego	Small Molecule Targeting of GNAS for the Treatment of Mucinous Adenocarcinoma of the Appendix	Erick Cervantes
Timothy Su	Riverside	Chemical Tools for Visualizing the Glycocalyx in Cancer Cells and Tissue with Nanoscale Resolution	McKinley Durham Lamia Haque
Olena Vaske	Santa Cruz	RNA targets for synovial sarcoma	Lucy Zheng
Maxwell Wilson	Santa Barbara	Illuminating the fluid connection between Wnt signaling and the centrosome in colorectal cancer	Hannah Lock Natasha Jones
Weiwei Zhang	Riverside	Neurocognitive Processes for Mammographic Detection of Breast Cancer	Tammy Dinh Gabriela Macias

### Summary of 2022-23 Supplements

PI Faculty Sponsor	Campus	Project Title	Trainee Name
Jacqueline Barlow	Davis	Investigating G-quadruplex induced instability in B cell lymphomagenesis	Kirtney Mae de Vera
Wendy Campana	San Diego	Targeting LRP1 to Reduce the Incidence of Paclitaxel Induced Painful Peripheral Neuropathy	Melissa Heredia
Sihem Cheloufi	Riverside	Investigating the Role of Transposable Elements During Cell Fate Commitment	Shreyans (Archie) Patel
Michel DuPage	Berkeley	Combatting cancer immunosuppression with engineered Listeria monocytogenes	Diego Gonzalez Ventura
Kara McCloskey	Merced	Integrated Model of Cancer, Vasculature, and Immune System	Jessalyn Arteta
Gerardo Mackenzie	Davis	Evaluation of ketogenic diet strategies for pancreatic cancer-associated cachexia	Tarek Bacha
Zeinab Jahed	San Diego	Controlling Membrane Rupture and Vibrational Imaging of Repair Dynamics in Cancer Cells	Leah Spain
Meghan Morrissey	Santa Barbara	Imaging CD40 activation to enable more effective agonists for immunotherapy	Elaiza Nario
Jun Sheng	Riverside	Flexible Robotic Evacuator for Minimally Invasive Brain Tumor Therapy	Julio Ceja
Hao-Chuan Wang	Davis	Enhancing Online Group Fitness Exercise for Health Improvement for Patients with Cancers	Sloka Suresh