

## Computational Cancer Biology Training Program (CCBTP)

Program Director B. Montgomery Pettitt, UT Medical Branch at Galveston

CPRIT RP170593 (project years 12/1/2016 – 11/30/2021)

### Current Postdoctoral Trainees

Last Name	First Name	Institution	Primary Mentor	Secondary Mentor	Project Title	Training Period
Fan	Xian	Rice	Luay Nakhleh, Rice	Nick Navin, MDA	<i>Accurately Detecting Copy Number Variations by Single Cell Sequencing Data in Cancer</i>	Year 3: 12/01/2018- 11/30/2019
Gupta	Amit Kumar	UTH	Alex Gorfe, UTH	Anil Sood, MDA	<i>Identification of potential K-Ras inhibitors by hierarchical virtual screening and experiments</i>	04/01/2017- 03/31/2019
Hsu	Willi Weili	UTMB	Lawrence Sowers, UTMB	Yuriy Fofanov, UTMB	<i>Measurement of T:G Frequency at Codon 248 of Exon 7 of the TP53 Gene Using Deep Sequencing in Human Cell Lines and Tissues</i>	Year 3: 01/01/2018- 12/31/2019
Li	Jiasong	Houston Methodist Res. Inst.	Steven Wong, HMRI	Cindy Farah-Carson, UTH	<i>Combining Deep Learning and Coherent Anti-Stokes Raman Scattering (CARS) Imaging for Automated Prostate Cancer Margin and Nerve Detection During Surgery</i>	07/01/2018- 06/30/2019
Ni	Fengyun	BCM	Qinghua Wang, BCM	Jianpeng Ma, BCM	<i>Molecular Mechanisms of Human Polycomb Repressive Complex 2 Holoenzyme</i>	04/01/2017- 03/31/2019

<b>Pudakalakatti</b>	Shivanand	MDA	Pratip Bhattacharya, MDA	Cindy Farach-Carson, UTH	<i>Early Detection of Pancreatic Cancer by Targeted Molecular Imaging of Hyperpolarized Silicon Nanoparticles</i>	04/01/2017-03/31/2019
<b>Samoylova</b>	Olga	UTMB	Monte Pettitt, UTMB	Petr Leiman, UTMB	<i>Bacteriophages to Treat Secondary Infections in Cancer Patients</i>	06/01/2017-05/31/2019
<b>Shih</b>	David	MDA	Shiaw-Yih (Phoebus) Lin, MDA	Kim-Anh Do, MDA	<i>Modeling Mutational Processes in Cancer to Guide Rational Therapy</i>	Year 3: 12/01/2018-11/30/2019
<b>Wang</b>	Yumeng	MDA	Han Liang, MDA	Li Ma, MDA	<i>The Genomic Landscape of RNA Editing in Non-coding RNAs Across 33 Human Cancers</i>	07/01/2018-06/30/2019
<b>Zhu</b>	Yingjie	UTMB	Malgorzata Rowicka-Kudlicka, UTMB	Eric Wagner, UTMB	<i>Unraveling the mechanisms of promoter-proximal pausing of RNA polymerase II</i>	04/01/2017-03/31/2019

### Current Affiliated Postdoctoral Trainees (unfunded)

<b>Aslan</b> (on Year 02)	Burcu	MDA	Varsha Gandhi, MDA	Anil Korkut, MDA	<i>Integrative Computational Approaches to Overcome Acquired ibrutinib Resistance in Chronic Lymphocytic Leukemia</i>	07/01/2018-06/30/2019
<b>Dereli Korkut</b> (on Year 02)	Zeynep	HMRI	Robert Rostomily, HMRI	Luca Giancardo, HMRI	<i>Proteomic Heterogeneity and Markers of Immunotherapy Response in GBM Tumor Microenvironment</i>	07/01/2018-06/30/2019

<b>Geng</b> (on Year 02)	Xin	UTH	Degui Zhi, UTH	Steven Lin, MDA	<i>An Integrative Multi-Layer Deep Learning Model For Predicting Cancer Related Phenotype From Multiple Omics Data</i>	01/01/2018-12/31/2018
<b>Stur</b> (on Year 02)	Elaine	MDA	Anil Sood, MDA	Prahlad Ram, MDA	<i>The Role of Cancer-associated Fibroblasts in Immune Suppression in Ovarian Tumors</i>	07/01/2018-06/30/2019

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<b>Devours</b>	Didier	Rice	Lydia Kaviraki, Rice	Greg Lizee, MDA	<i>Molecular docking with receptor flexibility to predict binding modes of peptide-HLA complexes for cancer immunotherapy</i>	04/01/2017-10/31/2018
<b>Ip</b>	Ka Man / Carman	MDA	Gordon Mills, MDA	Han Liang, MDA	<i>Functional Characterization of Genomic-Glycosylation Aberrations in Tumor Initiation and Progression</i>	04/01/2017-06/30/2018
<b>Jolly</b>	Mohit Kumar	Rice	Herbie Levine, Rice	Sam Hanash, MDA	<i>An integrated theoretical-experimental approach to elucidate the mechanisms for high metastatic potential of clusters of Circulating Tumor Cells (CTCs)</i>	04/01/2017-10/14/2018
<b>Lantos</b>	Cecilia	Rice	Amina Qutub, Rice	Steven Kornblau, MDA, and Rich Baraniuk, Rice	<i>Functional Hallmarks of Acute Myeloid Leukemia from Cellular Images</i>	05/04/2017-06/30/2018
<b>Yin</b>	Jun	MDA	Shiaw-Yih Lin, MDA	Kim-Anh Do, MDA	<i>PTEN Loss Confers Poly [ADP-ribose] Polymerase (PARP) Inhibitor Resistance in BRCA1-depleted Triple-negative Breast Cancer</i>	06/01/2017-11/05/2017

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<b>Kanlikilicer</b> (on Year 02)	Pinar	MDA	Gabriel Lopez-Berestein, MDA	Prahlad Ram, MDA	<i>DCLK1 Leads To Poor Survival In Ovarian Cancer Patients Through Cisplatin And Taxol Resistance</i>	01/01/2018-09/30/2018
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Updated 11/27/2018