# Commencement 2021 Ceremony

Thursday, May Twenty-seventh Two Thousand and Twenty-one 6:30 p.m.

Bayou City Event Center Houston, Texas



# PROGRAM

Welcome	Mr. David C. Baldwin, Chair Board of Trustees
Introductions and Remarks	. Dr. Paul E. Klotman, President and Chief Executive Officer Executive Dean
Presiding	Dr. Alicia D.H. Monroe, Provost Senior Vice President of Academic and Faculty Affairs
Presentation of Distinguished Leadership Award	Dr. Paul E. Klotman
Dr. Robe	rt J. McLaughlin
	Dean
School of I	Health Professions

Commencement Address

Dr. Carl June Director of the Center for Cellular Immunotherapies, Perelman School of Medicine Director, Parker Institute for Cancer Immunotherapy, University of Pennsylvania

# **CONFERRAL OF DEGREES**

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School of Health Professions Genetic Counseling

Remarks by the President of the Graduating Class	Farah Alnoor Ladha
Presentation of the Candidates for the Degree Master of Science	. Dr. Robert J. McLaughlin Dean
Conferral of Degrees	Dr. Paul E. Klotman

# Graduate School of Biomedical Sciences

Remarks by the Student Representative	Dr. Sabrina Ingrid Green
Presentation of the Candidates for the Degree Doctor of Philosophy and the Degree Master of Science	Dr. Carolyn L. Smith Dean
Conferral of Degrees	Dr. Paul E. Klotman

# School of Medicine

Remarks by the President of the Graduating Class
Administration of the Physician's Pledge
Presentation of the Candidates for the Degree Doctor of MedicineDr. Jennifer Christner Dean
Conferral of Degrees Dr. Paul E. Klotman
Benediction
Closing Remarks Dr. Alicia D.H. Monroe

# DISTINGUISHED LEADERSHIP AWARD



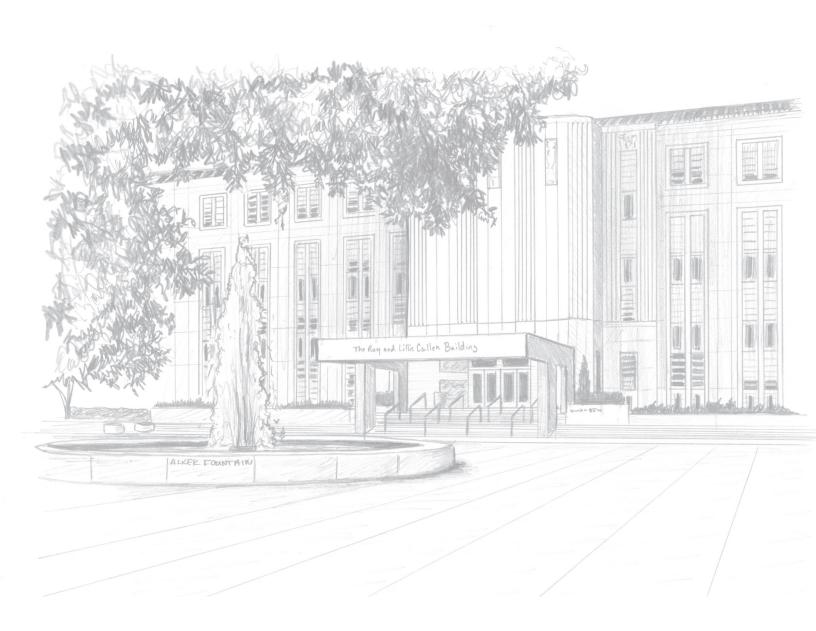
# ROBERT J. MCLAUGHLIN, PH.D. DEAN, SCHOOL OF HEALTH PROFESSIONS

Dr. Robert McLaughlin has served as Dean of the School of Health Professions (previously called the School of Allied Health Sciences) since 2015. He will retire from Baylor College of Medicine effective June 30 and will serve as Dean Emeritus.

He earned his doctorate in Psychology (Clinical) in 1983 at the University of Texas in Austin and completed his predoctoral internship at Baylor College of Medicine where he became research faculty in the Department of Psychiatry and Behavioral Sciences. Over the next nine years, he served in supervisory and administrative roles there while maintaining a small clinical practice, then moved to full-time clinical practice while continuing to conduct extramurally funded research, demonstration projects, and teaching at Baylor part time. He established and co-directed a child, adolescent, and family therapy agency, and was training director at an institute providing graduate field placements in several disciplines.

In 2011, Dr. McLaughlin returned to academic leadership at BCM as Assistant Dean, School of Health Professions (then the School of Allied Health Sciences) and became Dean in 2015. He teaches Health Behavioral Counseling to health professions students from a motivational interviewing perspective, and his research has a strong education focus, ranging from physician assistant cancer education, to efficacy of teacherfacilitated student support groups, and early childhood education of children who have experienced violence. He has received Baylor College of Medicine's Norton Rose Fulbright Excellence Award both in Teaching and Evaluation and in Educational Leadership, as well as the J. David Holcomb Achievement Award for Sustained Leadership in Allied Health Education, Research, Faculty Development, and Scholarship. He currently is Chair of the Southern Association of Deans of Allied Health Sciences at Academic Medical Centers, he was President of the Texas Society of Allied Health Professions from 2018-2019, and was elected Fellow to the Association of Schools Advancing Health Professions in 2019.

In 2010, he co-founded Gender Infinity, a Houston-based educational non-profit where he remains on the Board of Directors as grants manager. The organization hosts annual conferences regarding transgender and non-binary identities that offer CME/CEU to medical, legal, educational, and mental health professionals, and related programming throughout the year prepares family and community members to coordinate support for gender-expansive youth.

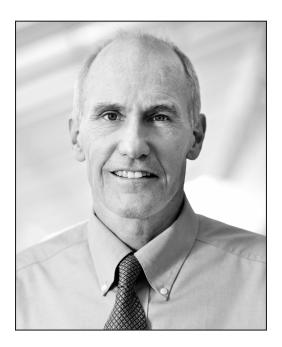


# The Roy and Lillie Cullen Building

The Baylor University College of Medicine moved to Houston in 1943 from Dallas to launch the proposed Texas Medical Center. The building to house Baylor's medical school was named after Hugh Roy and Lillie Cullen who moved to Houston in 1911 and made their fortune in oil. The Cullen Foundation's first check was written in 1947 to fund the new medical building. Architects Hedrick and Lindsley designed the building with modern deco elements and Texas cream limestone. A portico was added in 1982 to enhance the main entrance. The Cullen building remains at the heart of the Texas Medical Center.

Recorded Texas Historic Landmark - 2014

# COMMENCEMENT SPEAKER



Carl June, M.D.

Dr. Carl June is a physician-scientist and the Richard W. Vague Professor in Immunotherapy in the Departments of Medicine and Pathology and Laboratory Medicine at the Perelman School of Medicine at the University of Pennsylvania. He also is the director of the Center for Cellular Immunotherapies at the Perelman School of Medicine and the director of the Parker Institute for Cancer Immunotherapy at the University of Pennsylvania.

A graduate of the U.S. Naval Academy and Baylor College of Medicine, Dr. June conducted graduate training in immunology and malaria at the World Health Organization and postdoctoral training in transplantation biology at the Fred Hutchinson Cancer Research Center in Seattle. Before joining the University of Pennsylvania, he founded the Immune Cell Biology Program and was head of the Department of Immunology at the Naval Research Medical Institute, and professor at the Uniformed Services University for the Health Sciences.

Dr. June's pioneering work is widely recognized as a turning point in delivering on the long-held promise of cancer gene therapy, with potentially field-changing implications for the treatment of leukemia and other cancers. His lab discovered the CD28 pathway that controls T cell growth and later developed robust T cell culture systems that permit the growth of central memory T cells. He has applied this work to develop groundbreaking cellbased approaches for immunotherapy of cancer and HIV infection. Called chimeric antigen receptor T cells (CAR T cells), these modified immune cells offer great hope for this emerging strategy in cancer immunotherapy. CTL019, the CAR T cell developed in the June laboratory, was the first gene therapy to be approved by the FDA in 2017, for the treatment of leukemia.

He has published more than 500 manuscripts and is the recipient of numerous prizes and honors, including election to the Institute of Medicine in 2012 and the American Academy of Arts and Sciences in 2014, the Paul Ehrlich and Ludwig Darmstaedter Prize (shared with J. Allison), the Novartis Prize in Immunology (shared with Z. Eshhar and S. Rosenberg), the Karl Landsteiner Memorial award, the Karnofsky Prize from the American Society of Clinical Oncology, the Harrington Prize for Innovation in Medicine, the Albany Medical Prize (shared with J. Allison and S. Rosenberg) and a lifetime achievement award from the Leukemia and Lymphoma Society.

He is the scientific founder of Xcyte Therapies Inc. and Tmunity Therapeutics. The CTL019 therapy developed by Dr. June's team is marketed by Novartis in the U.S., Europe and Japan. School of Health Professions Genetic Counseling Candidates for the Degree, Master of Science

# MIKAELA FRANCISCO

B.A., Texas Lutheran University Thesis: Limited Awareness of Alternate Service Delivery Models Contributes to the Underutilization of Genetic Services in Rural Communities: Experience of Primary Care Providers in Washington State Thesis Chair: Tanya Eble, M.S., CGC Highest Honors

#### FARAH LADHA

B.S., The University of Texas MD Anderson School of Health Professions Thesis: Transition from pediatric to adult healthcare for individuals with urea cycle disorders Thesis Chair: Andi Lewis, M.S., CGC High Honors

#### **ADASIA RITENOUR**

B.S., University of Pittsburgh Thesis: Parental experiences and satisfaction throughout the genetic diagnostic experience: Exploring the impact of clinical setting in the context of COVID-19 Thesis Chair: Pilar Magoulas, M.S., CGC Highest Honors

#### LISA SABA

B.S., The University of Texas at Dallas Thesis: Prenatal Genetic Counseling Practices Regarding Recommendations for Cancer Genetic Counseling Thesis Chair: Salma Nassef, M.S., CGC Honors

# **EMILY SOLUDCZYK**

B.S., The University of Kansas Thesis: An Exploratory Study of the Genetic Knowledge, Diagnostic Experiences, and Emotional Outcomes of Parents with Children Diagnosed with Dup15q Thesis Chair: Rachel Franciskovich, M.S., CGC High Honors

#### **ASHLEY SPECTOR**

B.A., University of Florida Thesis: Perceptions on Motivational Interviewing in Genetic Counseling Practice and Training Thesis Chair: Daniel Riconda, M.S., CGC Honors

# **OLIVIA THOMPSON**

B.S., Clemson University Thesis: Prenatal Genetic Counselors' Practices and Confidence When Counseling Patients on Inconclusive NIPT Results Thesis Chair: Salma Nassef, M.S., CGC

# **ABIGAIL YESSO**

M.S., Tulane Medical School (LA) Thesis: Prevalence of Mood Disorder Diagnoses in Individuals with Urea Cycle Disorders (UCDs) Thesis Chairs: Lindsay Burrage, M.D., Ph.D. Honors

All degrees to be awarded are contingent upon satisfactory completion of all degree requirements.

Graduate School of Biomedical Sciences Candidates for the Degree, Doctor of Philosophy

# NATHAN PATRICK ACHILLY

B.A., Franklin & Marshall College Ph.D., Developmental Biology Advisor: Huda Zoghbi, M.D. Dissertation: "The Role of MECP2 in the Cerebellum and the Therapeutic Potential of Presymptomatic Training in RETT Syndrome"

# WENDY ANNE ALLEN-RHOADES

B.S., University of Nebraska-Lincoln M.D., Georgetown University School of Medicine Ph.D., Clinical Scientist Training Program Advisor: Jason Yustein, M.D., Ph.D. Dissertation: "Bench to Bedside Investigation of Malignant Pediatric Solid Tumors"

#### **BRITTANY ANNE ARMSTRONG**

B.S., Case Western Reserve University Ph.D., Molecular Virology and Microbiology Advisor: Job Lopez, Ph.D. Dissertation: "Transcriptional Responses of Ornithodoros Turicata to Borrelia Turicatae Infection"

#### **ELIZABETH ANNE BOWLING**

B.S., Texas A&M University Ph.D., Biochemistry and Molecular Biology Advisor: Thomas Westbrook, Ph.D. Dissertation: "Exploring the Mechanisms of Spliceosome-Targeted Therapies in Breast Cancer"

#### **AMANDA MICHELLE BROWN**

B.A., American University Ph.D., Neuroscience Advisor: Roy Sillitoe, Ph.D. Dissertation: "Cerebellar Neural Function and Deep Brain Stimulation Treatment in Action Tremor"

# **COURTNEY ANNE BURGER**

B.S., University of Arizona M.S., University of Arizona Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Melanie Samuel, Ph.D. Dissertation: "Neuron Specific Roles for LKB1 in Outer Retina Maturation"

# **THOMAS MICHAEL BURKE**

B.S., San Jose State University Ph.D., Translational Biology and Molecular Medicine Advisor: Donald Parsons, M.D., Ph.D. Dissertation: "Genomic and Inflammatory Mechanisms of Disease Pathogenesis in Langerhans Cell Histiocytosis"

#### HANNAH MOORE CAMPBELL

B.S., Emory University Ph.D., Molecular Physiology and Biophysics Advisor: Xander Wehrens, M.D., Ph.D. Dissertation: "Loss of SPEG Phosphorylation of RyR2 Promotes Atrial Fibrillation"

# WENJIAN CAO

B.S., Fudan University Ph.D., Genetics and Genomics Advisor: Chenghang Zong, Ph.D. Dissertation: "Applications of Single-Cell RNA-SEQ in Studying Early Tumorigenesis and Cancer-Associated Fibroblast Heterogeneity"

# **Po-Jui Chen**

B.S., University of Washington Ph.D., Molecular Virology and Microbiology Advisor: David Bates, Ph.D. Dissertation: "Replication Dynamics of Bidirectional Replisomes and Their Functional Relationship in Escherichia coli"

# HU CHEN

B.S., Huazhong University of Science and Technology Ph.D., Quantitative and Computational Biosciences Advisor: Han Liang, Ph.D. Dissertation: "Comparative Genomics Analysis of Esophageal Squamous Cell Carcinoma"

# HSIANG-CHING CHUNG

B.S., National Yang-Ming University M.S., National Taiwan University Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Thomas Westbrook, Ph.D. Dissertation: "The Role of CUL5 and Ubiquitylation Dynamics in Drug Resistance in TNBC"

# IAN EUGENE COPELAND

B.S., Norfolk State University Ph.D., Genetics and Genomics Advisor: Neil Hanchard, Ph.D. Dissertation: "Understanding the Role of Rare Genetic Variation in Childhood Onset Essential Hypertension"

# **DIANA CHRISTINE COX**

B.A., Rollins College Ph.D., Biochemistry and Molecular Biology Advisor: Thomas Cooper, M.D. Dissertation: "Contribution of Nuclear and Cytoplasmic Functions of the RNA Binding Protein CELF1 to Skeletal Muscle Wasting"

#### **DARIUS JEROME DEVLIN**

B.S., Georgia State University Ph.D., Translational Biology and Molecular Medicine Advisor: Martin Matzuk, M.D., Ph.D. Dissertation: "Characterizing the Roles of New Proteins Required for Male Fertility and Targeting Sperm Acrosome Proteins for Contraception"

#### LOIS MELISSA DODSON

B.S., University of Michigan - Ann Arbor Ph.D., Genetics and Genomics Advisor: Allison Bertuch, M.D., Ph.D. Dissertation: "On The Molecular Genetics of Dyskeratosis Congenita Due to Mutation of PARN and TINF2"

#### **DEREK JOHN DUSTIN**

B.S., Clarkson University Ph.D., Translational Biology and Molecular Medicine Advisor: Suzanne Fuqua, Ph.D. Dissertation: "Kinome Reprogramming of ESR1 Mutant Metastatic Breast Cancer"

# **NIKA FUREY**

B.S., Missouri Baptist University Ph.D., Molecular and Cellular Biology Advisor: Karl-Dimiter Bissig, M.D., Ph.D. Dissertation: "Long Term Consequences of CRISPR/Cas9 Gene Editing in a Mouse Model for Hereditary Tyrosinemia Type 1"

## **GRADY MANUEL GASTELUM**

B.S., San Diego State University Ph.D., Translational Biology and Molecular Medicine Advisor: Bhagavatula Moorthy, Ph.D. Dissertation: "Role of Cytochrome P4501 (CYP1) Enzymes in Polycyclic Aromatic Hydrocarbon (PAH)-Induced Pulmonary Carcinogenesis"

## SABRINA INGRID GREEN

B.S., University of Houston Ph.D., Molecular Virology and Microbiology Advisor: Anthony Maresso, Ph.D. Dissertation: "Phage Therapy for the Treatment of Multidrug-Resistant Extraintestinal Pathogenic *E. coli*"

#### FRANKLIN GU

B.S., Rice University Ph.D., Biochemistry and Molecular Biology Advisor: Arun Skreekumar, Ph.D. Dissertation: "Metabolic Programming in Triple-Negative Breast Cancer"

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# CAIWEI GUO

B.S., Peking University Ph.D., Neuroscience Advisor: Joshua Shulman, M.D., Ph.D. Dissertation: "Transcriptomic Instability Mediates Tau-Induced Neurodegeneration in Alzheimer's Disease"

#### **ELIZABETH ANNE HALFEN**

B.S., The University of Texas at Austin Ph.D., Neuroscience Advisor: Jeffrey Yau, Ph.D. Dissertation: "Principles Guiding Tactile and Visuospatial Attention During Tactile Search Over the Body"

#### **ROSS ALEXANDER HAMILTON**

B.Eng., Vanderbilt University Ph.D., Molecular and Cell Biology Advisor: Bert W. O'Malley, M.D. Dissertation: "Proteomic Analyses Provide Mechanistic Insights Into Regulators of AR and ARV7 Transcriptional Activities"

# SEUNG YEOP HAN

B.S., Konkuk University M.S., Konkuk University Ph.D., Genetics and Genomics Advisor: Hamed Jafar-Nejad, M.D. Dissertation: "Functional Analysis of N-Glycanase 1, the Major Cytosolic Deglycosylation Enzyme"

# ADAM WESLEY HANSEN

B.S., Brigham Young University Ph.D., Genetics and Genomics Advisor: Richard Gibbs, Ph.D. Dissertation: "Accelerating Mendelian Discovery: A Genocentric Approach"

#### HADIA HIJAZI

B.S., King Saud University Ph.D., Genetics and Genomics Advisor: James Lupski, M.D., Ph.D. Dissertation: "Gene Dosage and X-linked Diseases"

#### MATTHEW CRAIG HILL

B.S., Western Washington University Ph.D., Developmental Biology Advisor: James Martin, M.D., Ph.D. Dissertation: "Hippo Pathway Deletion in Adult Resting Cardiac Fibroblasts Initiates a Cell State Transition with Spontaneous and Self-Sustaining Fibrosis"

#### KRISTYN AMBER HOFFMAN

B.S., Purdue University D.V.M., Purdue University Ph.D., Molecular Virology and Microbiology Advisor: Kathryn Jones, D.V.M., Ph.D. Dissertation: "Cardiac Fibrosis in Chronic Chagasic Cardiomyopathy: Signaling Mechanisms that Promote Pathologic Remodeling."

#### YU-SZU HUANG

B.S., National Taiwan University M.S., National Taiwan University Ph.D., Developmental Biology Advisor: Benjamin Deneen, Ph.D. Dissertation: "Transcriptional Control of Astrocyte Heterogeneity and Function Mediated by Nuclear Factor I-A (NFIA)"

# **COLLIN JOHNSON**

B.S., The University of Texas at Austin Ph.D., Translational Biology and Molecular Medicine Advisor: Karl-Dimiter Bissig, M.D., Ph.D. Dissertation: "CRISPR Tools and Therapy by Metabolic Pathway Reprogramming"

#### **PRASANNA KANDEL**

B.S., Boise State University Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Damian Young, Ph.D. Dissertation: "From Fatty Acids to Small Molecules Targeting the Nuclear Receptor TLX/NR2E1 for Brain Disorder and Beyond"

#### **OLIVIA KIM**

B.A., Rutgers University M.A., University of Pennsylvania Ph.D., Neuroscience Advisor: Javier Medina, Ph.D. Dissertation: "Teaching Signals and Sites of Plasticity for Cerebellar-Dependent Extinction Learning"

#### YOUNG WON KIM

B.S., Korea University Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Olivier Lichtarge, M.D., Ph.D. Dissertation: "Evolutionary Analyses of Genomic Data: Applications in Gene Identification and Risk Prediction in Complex Diseases"

#### SRIKANTH KODALI

B.S., University of Texas at Austin M.S., Duke University Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Jin Wang, Ph.D. Dissertation: "BNIP3- and NIX-Mediated Mitophagy Maintains Memory B Cells by Restricting De Novo Fatty Acid Synthesis and Necroptosis"

# **CHIH-HONG LEE**

M.D., Chang Gung University, Taiwan Ph.D., Neuroscience Advisor: John Swann., Ph.D. Dissertation: "Neocortical Slow Oscillations Implicated in the Generation of Epileptic Spasms"

#### WON-SEOK LEE

B.S., Seoul National University M.S., Seoul National University Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Huda Zoghbi, M.D. Dissertation: "Unbiased Cross-Species Genetic Screens to Identify Therapeutic Targets for Spinocerebellar Ataxia Type 1"

# TONG LIANG

B.S., Wuhan University Ph.D., Genetics and Genomics Advisor: Charles Lin, Ph.D. Dissertation: "Deciphering MYCN Deregulation in High-Risk Neuroblastoma"

#### SHIH-CHING LIN

B.S., National Taiwan University M.S., National Taiwan University Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Mary Estes, Ph.D. Dissertation: "Viral-Host Interactions that Promote and Restrict Strain-Specific Human Norovirus Infection in Human Intestinal Enteroids"

# **CHENG-HSIN LIU**

B.S., National Cheng Kung University, Taiwan M.S., National Taiwan University PhD., Developmental Biology Advisor: Matthew Rasband, Ph.D. Dissertation: "β Spectrin-Dependent and Domain Specific Mechanism for Na+ Channel Clustering and Axon Integrity"

# HIN CHING FLORA LO

B.A. Unversity of Cambridge Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Xiang Zhang, Ph.D. Dissertation: "Resistance to Natural Killer Cells Confers a Selective Advantage to Polyclonal Metastasis"

# JARROD DON MARTINEZ

B.S., Texas Tech University Ph.D., Molecular and Cell Biology Advisor: Jianming Xu, Ph.D. Dissertation: "Identification of the Global Genetic Alterations Associated with the TP53 and PTEN Null Mutations and the PIK3CA and AKT1 Activation Mutations in Human and Mouse Breast Cancers"

#### NICK MATINYAN

B.S., University of North Carolina at Chappel Hill Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Koen Venken, Ph.D. Dissertation: "Multiplexed Drug-Based Selection and Counterselection Genetic Engineering in Drosophilia Melanogaster"

#### JONATHAN MARTIN MERCADO

B.S., The University of Texas at Austin Ph.D., Molecular and Cell Biology Advisor: Francis Tsai, Ph.D. Dissertation: "Investigations on the Leishmania HSP 100 N Domain"

#### MARISSA MIE KEHAULANI MINOR

B.S., Chaminade University of Honolulu Ph.D., Molecular Virology and Microbiology Advisor: Betty Slagle, Ph.D. Dissertation: "Hepatitis B Virus HBx Protein Mediates the Degradation of Host Restriction Factors Through the Cullin 4 DDB1 E3 Ligase Complex"

#### LAUREN NICOLE MITERKO

B.S., Quinnipiac University Ph.D., Developmental Biology Advisor: Roy Sillitoe, Ph.D. Dissertation: "Cerebellar Deep Brain Stimulation in the Car8wdl Mouse Model of Ataxia"

#### **OSCAR DANIEL MURILLO**

B.S., Arizona State University Ph.D., Genetics and Genomics Advisor: Aleksandar Milosavljevic, Ph.D. Dissertation: "Computational Deconvolution Methods for Profiling Tumors and Mapping Extracellular RNA Communication"

#### **AARON MATTHEW MUSCARELLA**

B.S., University of Notre Dame Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Xiang Zhang, Ph.D. Dissertation: "Unique Cellular Protrusions Mediate Cancer Cell Migration Through Tethering to Osteogenic Cells"

## LARISSA NITSCHKE

B.S., Heinrich Heine Universitat Dusseldorf Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Huda Zoghbi, M.D. Dissertation: "Studies of the Regulatory Mechanisms of Ataxin-1 and their Implications for the Treatment of Spinocerebellar Ataxia Type 1"

# **ALEJANDRA ELDER ONTIVEROS**

M.D., Monterrey Institute of Technology and Higher Education Ph.D., Developmental Biology Advisor: Richard Behringer, Ph.D. Dissertation: "Transcriptional Networks of Mammalian Female Reproductive Tract Development"

#### **TARIK SEREF ONUR**

B.A., University of California-Berkeley M.S., Georgetown University Ph.D., Genetics and Genomics Advisor: Juan Botas, Ph.D. Dissertation: "The Contribution of Glia to Huntington's Disease Pathogenesis"

# KRISTEN MEYER PANTHAGANI

B.S., Washington State University Ph.D., Genetics and Genomics Advisor: Cheryl Walker, Ph.D. Dissertation: "The Microbiome as a Biomarker of Adverse Health Outcomes in Houstonians Impacted by Hurricane Harvey"

# MINH NGOC PHAM

B.A., Franklin & Marshall College Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Olivier Lichtarge, M.D., Ph.D. Dissertation: "Accelerating Biomedical Knowledge Discovery Through Network-Based Approaches"

# NHUNG TUYET PHAM

B.A., Wesleyan College Ph.D., Genetics and Genomics Advisor: Grzegorz Ira, Ph.D. Dissertation: "Mechanisms Preventing Break-Induced Replication During the Repair of Two-Ended DNA Double-Strand Break"

#### **BROOKE LAURALEIGH PRINZING**

B.S., Hillsdale College Ph.D., Integrative Molecular and Biomedical Sciences Advisor: Steven Gottschalk, M.D. Dissertation: "MyD88 and CD40 Costimulation to Improve CAR T Cells for Solid Tumors"

#### **TIFFANY PATRICIA ROLLE**

B.S., Virginia Commonwealth University Ph.D., Genetics and Genomics Advisor: Mary Dickinson, Ph.D. Dissertation: "Characterization of Glycogen Storage Disease XV Mouse Model"

#### JESSICA DIANE SCOTT

B.S., The University of Texas at Austin Ph.D., Integrative Molecular and Biomedical Sciences Advisor: David Moore, Ph.D. Dissertation: "Constitutive Androstane Receptor, B-Catenin, and Hepatocyte Proliferation"

#### LARRY SCOTT, JR.

B.S., Morehouse College B.S., Georgia Institute of Technology Ph.D., Molecular Physiology and Biophysics Advisor: Na Li, Ph.D. Dissertation: "The Roles of Inflammasome in the Development of Atrial Fibrillation"

# **RIVAD NAVROZ SEERVAI**

B.A., Brown University B.S., Brown University Ph.D., Molecular and Cell Biology Advisor: Cheryl Walker, Ph.D. Dissertation: "An Expanded Cytoskeletal Activity for the Methyltransferase SETD2"

#### VIDYALAKSHMI SETHUNATH

M.S., University of Pune Ph.D., Biochemistry and Molecular Biology Advisor: Rachel Schiff, Ph.D. Dissertation: "The Mevalonate Pathway as a Metabolic Vulnerability in HER2-Positive Breast Cancer Resistant To Anti-HER2 Therapies"

#### YINGYAO SHAO

B.S., Tongji University Ph.D., Developmental Biology Advisor: Huda Zoghbi, M.D. Dissertation: "Studying the Regulation of MeCP2 Levels to Optimize Therapeutics for MeCP2-Related Disorders"

# KATHARINE ELIZABETH SHELLY

B.S., University of Delaware Ph.D., Genetics and Genomics Advisor: David Nelson, Ph.D. Dissertation: "Ectopic Expression of Expanded CGG Repeats is Sufficient to Cause Ovarian Dysfunction in Mice"

#### HADLEY ELIZABETH SHEPPARD

B.S., University of California – Davis Ph.D., Genetics and Genomics Advisor: Charles Y. Lin, Ph.D. Dissertation: "Targeting Brachyury Gene Regulation in Chordoma"

#### **ERIC ANDREW SMITH**

B.S., Rensselaer Polytechnic Institute Ph.D., Molecular and Cell Biology Advisor: H. Courtney Hodges, Ph.D. Dissertation: "BAF(SWI/SNF)Tumor Suppressive Mechanisms Revealed Through 3D Spheroid Models of Lung Adenocarcinoma"

# VICTORIA ROSE TENGE

B.S., University of Washington Ph.D., Molecular Virology and Microbiology Advisor: Mary Estes, Ph.D. Dissertation: "Factors Required for Human Noroviruses to Enter and Infect Human Intestinal Enteroids"

#### LILLIAN ROSA THISTLETHWAITE

B.S., Oregon State University B.S., Purdue University Ph.D., Quantitative and Computational Biosciences Advisor: Aleksandar Milosavljevic, Ph.D. Dissertation: "Clinical Interpretation of Perturbation Patterns in Functional Omics Data Using an Information Theoretic Approach"

# JULIE ANNE TOMOLONIS

B.A., Boston University Ph.D., Translational Biology and Molecular Medicine Advisor: Leonid Metelitsa, M.D., Ph.D. Dissertation: "The Role of TNFα Signaling in Initiation of Pro-Tumorigenic Inflammation in Neuroblastoma"

# HUI WANG

A.S., San Diego Miramar College B.S., San Diego State University Ph.D., Translational Biology and Molecular Medicine Advisor: Susan Hamilton, Ph.D. Dissertation: "Skeletal Muscle Calcium Release Channel Mediated Systemic Thermoregulation Associated with Malignant Hyperthermia"

#### JILL WEATHERHEAD

B.A., Kalamazoo College M.S., Baylor College of Medicine M.D., Michigan State University College of Human Medicine Ph.D., Clinical Scientist Training Program Advisor: David Corry, M.D. Dissertation: "Impact of Ascaris Larval Migration on Host Lungs"

#### NICHOLAS JAY WEBSTER

B.A., Albion College Ph.D., Genetics and Genomics Advisor: Jason Heaney, Ph.D. Dissertation: "Testicular Germ Cell Tumors Arise in the Absence of Sex-Specific Differentiation"

#### JESSICA LEE WECKHORST

B.S., Louisiana State University Ph.D., Quantitative and Computational Biosciences Advisor: Buck Samuel, Ph.D. Dissertation: "Identifying Genetic Regulators of Host-Microbiome Interactions in *Caenorhadbitis elegans*"

# YIFAN WU

M.D., Shanghai Jiao Tong University School of Medicine Ph.D., Immunology Advisor: David Corry, M.D. Dissertation: "Cerebral and Pulmonary Immune Responses to *Candida albicans* Infection"

#### **JIANFENG XU**

B.S., Peking University Ph.D., Molecular and Cell Biology Advisor: Wei Li, Ph.D. Dissertation: "Cellular Heterogeneity-Adjusted Clonal Methylation Provides Better Prediction of Gene Expression"

# **ZHENXIN YAN**

B.S., China Agricultural University Ph.D., Genetics and Genomics Advisor: Grzegorz Ira, Ph.D. Dissertation: "Negative Regulation of End Resection During DNA Double-Strand Break Repair in Yeasts" Graduate School of Biomedical Sciences Candidates for the Degree, Master of Science

#### WALEED AGEEDI

M.B.B.S, Baghdad College of Medicine M.S., Clinical Scientist Training Program Advisor: Scott Lemaire, M.D. Thesis: "The Critical Role of the Absent in Melanoma-2 Inflammasome Cascade in Promoting Ascending Aortic Degeneration"

# MAYA BARSKY

B.S., Brown University M.D., Brown University M.S., Clinical Scientist Training Program Advisor: Blesson Chellakkan Selvanesan, Ph.D. Thesis: "Fetal Programming of Polycystic Ovary Syndrome: Effects of Androgen Exposure on Prenatal Ovarian Development"

# SUKHKAMAL CAMPBELL

B.S., University of Alabama At Birmingham B.A., University of Alabama At Birmingham M.D., University of Alabama At Birmingham M.S., Clinical Scientist Training Program Advisor: Terri Woodard, M.D. Thesis: "Challenging Choices: Understanding the Specific Fertility Needs of Providers and Newly Diagnosed Female Cancer Patients in Lower-Resource Settings"

#### DANA MARAFI

B.Med., Kuwait University B.Surg., Kuwait University M.S., Clinical Scientist Training Program Advisor: Alicia Goldman, M.D., Ph.D. Thesis: "Using Large Scale Family-based Genomic Analyses for Novel Disease Gene Discovery in Developmental and Epileptic Encepalopathy"

#### MEGAN LUCILLE MCKENNA

B.S., Rhodes College M.D., University of Texas Medical Branch at Galveston M.S., Clinical Scientist Training Program Advisor: Kristy Murray, D.V.M., Ph.D. Thesis: "The Seroepidemiology of Chagas Disease Among Agricultural Workers in Northwestern Nicaragua and Potential Diagnostic Biomarkers for Early Detection of Chagas-Related Heart Disease in Resource-Poor,

Endemic Areas"

All degrees to be awarded are contingent upon satisfactory completion of all degree requirements.

# SPECIAL AWARDS

Graduate School of Biomedical Sciences

# Professor John J. Trentin Scholarship Awards

Thomas Michael Burke - 2016 Hannah Moore Campbell - 2016 Hu Chen - 2015 Caiwei Guo - 2015 Matthew Craig Hill - 2014 Olivia Ann Kim - 2016 Shih-Ching Lin - 2016 Larissa Nitschke - 2015 Kristen Meyer Panthagani - 2015 Brooke Lauraleigh Prinzing - 2016 Riyad Navroz Seervai - 2017

Dean's Award of Excellence

Nathan Patrick Achilly - 2018 Amanda Michelle Brown - 2016 Thomas Michael Burke - 2017 Hannah Moore Campbell - 2016, 2018 Diana Christine Cox - 2018 Lois Melissa Dodson - 2017 Matthew Craig Hill - 2016 Olivia Ann Kim - 2016 Won-Seok Lee - 2016 Kristen Meyer Panthagani - 2016 Larry Scott, Jr. - 2016 Riyad Navroz Seervai - 2018 Hadley Elizabeth Sheppard - 2018 Victoria Rose Tenge - 2015 Hui Wang - 2016 Jill Weatherhead - 2019

*Deborah K. Martin Award* Elizabeth Anne Bowling - 2020

Lehmann Outstanding Student Award Sabrina Ingrid Green

# School of Medicine Candidates for the Degree, Doctor of Medicine with Highest Honor

Alexander Jacob Alexander Ziba Aspi Colah Charles Ryan Difalco Katherine Dong Michael Duan Joanne Ino Hsu Asad Loya Shiv J. Patel Mary Taylor Winsten Junru Yan

# Candidates for the Degree, Doctor of Medicine with High Honor

Brandon Emilio Bertot Mohammad Faheem Bilal Miguel Franquiz Jonathan Lash Monica Miao Li Alexander Vu Nguyen Kelly Suzanne Payne Anjali Raghuram Renata Yvonne Wettermann Capo

# Candidates for the Degree, Doctor of Medicine with Honor

Anna Elizabeth Berry Ritodhi Chatterjee Annie Dai Yelena Dokic William Case Frankel Lucy Deveaux Hart Yasmin Khalfe Richa Lavingia Margaret Lie Anne Elisabeth Miller Rachael L. Muschalek Niloufar Rohani Sydney Julia Sachse Jeffrey Khoa Trong Than Vivian Xinyi Wang Cassie Nicole Weyland

# School of Medicine Candidates for the Degree, Doctor of Medicine

# GABRIELLA RAFEIL ABOUELKHEIR

B.S., Texas A&M University Residency Program: Baylor College of Medicine (Pediatrics), Houston, Texas

#### JOSHUA MATTHEW ADAMS

B.A., SUNY College at Buffalo M.D., Doctor of Medicine\* Baylor College of Medicine M.D./Ph.D. Program: Ph.D., Baylor College of Medicine Residency Program: University of Michigan Hospitals/Ann Arbor (Child Neurology), Ann Arbor, Michigan \*Degree Awarded December 31, 2020

## VEDIKA AGRAWAL

B.S., The University of Texas at Dallas Residency Program: Nationwide Children's Hospital/Ohio State University (Pediatrics), Columbus, Ohio

# YEO WON AHN

B.S., Emory University Residency Program: University of Chicago Medical Center (Pediatrics), Chicago, Illinois

# MUHAMMAD IBRAHIM AKBAR

B.A., Rice University Residency Program: Massachusetts General Hospital/Brigham and Women's Hospital/Harvard Medical School (Emergency Medicine), Boston, Massachusetts

## ALEXANDER JACOB ALEXANDER

B.A., Rice University Residency Program: University of Utah Health (Internal Medicine/Pediatrics), Salt Lake City, Utah

#### **BRADLEY KYLE ALEXANDER**

B.S. in Biochemistry, The University of Texas at Austin Residency Program: University of Mississippi Medical Center (Orthopaedic Surgery), Jackson, Mississippi

# JARED DAVID ALEXANDER

 B. Science & Arts, The University of Texas at Austin Residency Program: University of Texas Southwestern Medical School (Anesthesiology), Dallas, Texas

# NICOLE LEAH ALEXANDER

B. Science & Arts, The University of Texas at Austin Residency Program: Baylor College of Medicine (Otolaryngology), Houston, Texas

# **O**MAR **I**MTIAZ **A**LI

B.S., University of Houston Residency Program: Henry Ford Hospital (Transitional Year), Detroit, Michigan (2021-2022) Henry Ford Hospital (Ophthalmology), Detroit, Michigan (2022-2025)

# **ANDREW MICHAEL ALTER**

B.S., Emory University Residency Program: Barnes Jewish Hospital/Washington University School of Medicine in St. Louis (Internal Medicine), St. Louis, Missouri

#### LINDSEY DIANE ALTER

B. Science & Arts, The University of Texas at Austin Residency Program: University of Texas Health Science Center at Houston (Pediatrics), Houston, Texas

# **CENTURA ROHINI ANBARASU**

B.S., Texas A&M University Residency Program: Baylor College of Medicine (Surgery-General), Houston, Texas

# MIRZA MOHAMMAD BAIG

B.S., University of Houston Residency Program: Massachusetts General Hospital/Harvard Medical School (Psychiatry), Boston, Massachusetts

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B.A., The University of Texas at Austin B.S. in Chemistry, The University of Texas at Austin Residency Program: Vanderbilt University Medical Center (Surgery-Preliminary/Ophthalmology), Nashville, Tennessee (2021-2022) Vanderbilt University Medical Center (Ophthalmology), Nashville, Tennessee (2022-2025)

# VARUN BANSAL

B.A., Rice University Residency Program: Mayo Clinic College of Medicine and Science (Internal Medicine), Jacksonville, Florida

#### **OLIVIA AGUILAR BARRON**

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#### **PAULINE MARGARET BERENS**

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B.S. in Biology, The University of Texas Rio Grande Valley Residency Program: Baylor College of Medicine (Emergency Medicine), Houston, Texas

#### BRITTANY ELIZABETH BRYANT

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# ALEXANDRA LEIGH CHANG-GRAHAM

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#### **RITODHI CHATTERJEE**

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# KEVIN MING CHEN

B.S. in Biological Engineering, Rice University Residency Program: Baylor College of Medicine (Anesthesiology), Houston, Texas

# **COURTNEY CHIN**

B.S., Baylor University Residency Program: University of Colorado School of Medicine (Pediatrics), Aurora, Colorado

# HYEWON CHOI

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# Ava Youngha Jang

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B.S., Trinity University Residency Program: Baylor College of Medicine (Medicine-Preliminary), Houston, Texas (2021-2022) Johns Hopkins University (Neurology), Baltimore, Maryland (2022-2025)

# BYUNG CHUL JI

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#### **ELEANOR GRACE JOHNSON**

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# MANEESHA JULAKANTI

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# JAMES MATTHEW JURICA

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# JAKE RYAN KELLER

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# YASMIN KHALFE

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# ASAD LOYA

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Residency Program:
Houston Methodist Hospital
(Neurology), Houston, Texas
\*Degree Awarded December 31, 2020

#### Sonia Gomez Parra

B.S., Yale University M.S., University of Oxford M.D., Doctor of Medicine\* Baylor College of Medicine/Rice University M.D./Ph.D. Program: Ph.D., Rice University Residency Program: University of Utah Health (Obstetrics and Gynecology), Salt Lake City, Utah \*Degree Awarded December 31, 2020

#### JAY M. PATEL

B.S., Northwestern University-Evanston M.D., Doctor of Medicine\*
Baylor College of Medicine M.D./Ph.D. Program: Ph.D., Baylor College of Medicine Residency Program:
HCA Houston Healthcare/University of Houston (Transitional Year), Houston, Texas (2021-2022)
University of Texas Southwestern Medical Center (Dermatology), Dallas, Texas (2022-2025) \*Degree Awarded December 31, 2020

# **R**AJAN **P**ATEL

B.S., Johns Hopkins University Residency Program: Baylor College of Medicine (Neurological Surgery), Houston, Texas

#### SHIV J. PATEL

B.S., Virginia Commonwealth University Residency Program: University of Texas Medical Branch Hospitals (Orthopaedic Surgery), Galveston, Texas

# SHREEYA SANJAY PATEL

B.A., Rice University Residency Program: University of Texas Health Science Center at Houston (Pediatrics), Houston, Texas

#### UJVAL SHYAM PATHAK

B.A., The University of Texas Rio Grande Valley B.S., The University of Texas Rio Grande Valley Residency Program: Medical College of Wisconsin (Urology), Milwaukee, Wisconsin

#### KELLY SUZANNE PAYNE

B.A., Yale University Residency Program: Mayo Clinic College of Medicine and Science (Urology), Rochester, Minnesota

# **COURTNEY NICOLE PETTE**

B. Science & Arts, The University of Texas at Austin Residency Program:
Baylor College of Medicine (Pediatrics), Houston, Texas

# **ANNA DELENA POLINER**

B. Science & Arts, The University of Texas at Austin Residency Program: Baylor College of Medicine (Medicine-Preliminary), Houston, Texas (2021-2022)

#### VALENCIA POTTER

B.S., Xavier University of Louisiana Baylor College of Medicine M.D./Ph.D. Program: Ph.D., Baylor College of Medicine Residency Program: Case Western Reserve University/University Hospitals Cleveland Medical Center (Medicine-Preliminary/Ophthalmology), Cleveland, Ohio (2021-2022) Case Western Reserve University/University Hospitals Cleveland Medical Center (Ophthalmology), Cleveland, Ohio (2022-2025)

# ANJALI RAGHURAM

B.A., Rice University Residency Program: University of Pittsburgh Medical Center (Plastic Surgery-Integrated), Pittsburgh, Pennsylvania

#### **PRIYA RAMCHANDRA**

B.A., University of Pennsylvania Residency Program: University of Texas Health Science Center at Houston (Pediatrics), Houston, Texas

# **RYAN WADE RICHARDSON**

B.S., Texas A&M University Residency Program: HCA Houston Healthcare/University of Houston (Emergency Medicine), Kingwood, Texas

# ISAIAH GILBERT ROEPE

B.S., Baylor University Residency Program: University of Kansas School of Medicine (Orthopaedic Surgery), Kansas City, Kansas

# NILOUFAR ROHANI

B. Business Administration, The University of Texas at Austin Residency Program: Vanderbilt University Medical Center (Surgery-Preliminary/Ophthalmology), Nashville, Tennessee (2021-2022) Vanderbilt University Medcial Center (Ophthalmology), Nashville, Tennessee (2022-2025)

# **BIANCA RENEE ROMBADO**

B.A., Rice University Residency Program: Texas A&M College of Medicine/Scott and White Medical Center (Psychiatry), Temple, Texas

# FELIXNANDO RUBIO, JR.

B. Science & Arts, The University of Texas at Austin Baylor College of Medicine/Rice University M.D./M.B.A. Program: M.B.A., Rice University Residency Program: University of Colorado School of Medicine (Obstetrics and Gynecology), Aurora, Colorado

# SYDNEY JULIA SACHSE

 B. Science & Arts, The University of Texas at Austin Residency Program:
 Northwestern University McGaw Medical Center (Otolaryngology), Chicago, Illinois

# ALYSSA NICOLE SALISBURY

B.S., Texas A&M University Residency Program: Northwestern University McGaw Medical Center (Anesthesiology), Chicago, Illinois

# LINDEN SHIH

B.S., Rice University Residency Program: Baylor College of Medicine (Plastic Surgery-Integrated), Houston, Texas

# DEEPANKAR KUMAR SINHA

B.S. University of Houston Residency Program: Baylor College of Medicine (Pediatrics), Houston, Texas

# **BRANDON TYLER SMITH**

B.S., University of Oklahoma M.D., Doctor of Medicine\* Baylor College of Medicine/Rice University M.D./Ph.D. Program: Ph.D., Rice University Residency Program: Baylor College of Medicine (Surgery-General), Houston, Texas \*Degree Awarded December 31, 2020

#### HAMSINI SRIRAMAN

B.S. in Bioengineering, Rice University Residency Program: Baylor College of Medicine (Pediatrics), Houston, Texas

#### **ASHWIN SRIVATSAV**

B.S., The University of Texas at Dallas Residency Program: Baylor College of Medicine (Pediatrics), Houston, Texas

# JEFFREY KHOA TRONG THAN

B.S., Emory University Residency Program: Northwestern University McGaw Medical Center (Internal Medicine), Chicago, Illinois

# **ANDREW COLEMAN THORSEN**

B.S., Brigham Young University Residency Program: Barnes Jewish Hospital/Washington University School of Medicine in St. Louis (Anesthesiology), St. Louis, Missouri

#### **BENJAMIN MACE TODD**

A.B., Washington University in St. Louis Residency Program: University of Maryland Medical Center/Midtown Campus (Transitional Year), Baltimore, Maryland (2021-2022) Johns Hopkins University (Anesthesiology), Baltimore, Maryland (2022-2025)

# **RICHARD TONG**

B.S., Rice University Residency Program: Rutgers Health/New Jersey Medical School (Internal Medicine), Newark, New Jersey

# JESSICA TRAN

B. Business Administration, The University of Texas at Austin Residency Program: Baylor College of Medicine (Medicine-Preliminary), Houston, Texas (2021-2021) University of Texas Health Science Center at Houston (Dermatology), Houston, Texas (2022-2025)

# VINH VINCENT TRAN

B.A., Rice University Residency Program: Baylor College of Medicine (Internal Medicine), Houston, Texas

#### ACARA ELANE TURNER

B.S., University of Houston Residency Program: West Virginia School of Medicine (Plastic Surgery-Integrated), Morgantown, West Virginia

#### **KATHERINE ANNE UTECH**

B.S., Texas A&M University Residency Program: John Peter Smith Hospital (Emergency Medicine), Fort Worth, Texas

# GABRIEL ENRIQUE VAZQUEZ VELEZ

B.S., University of Puerto Rico-Rio Piedras Campus M.D., Doctor of Medicine\* Baylor College of Medicine M.D./Ph.D. Program: Ph.D., Baylor College of Medicine Residency Program: Barnes Jewish Hospital/Washington University School of Medicine in St. Louis (Neurology), St. Louis, Missouri \*Degree Awarded December 31, 2020

# JAIJO JAISON VENNATT

B.S. in Biology, The University of Texas Rio Grande Valley M.P.H., The University of Texas School of Public Health Residency Program: HCA Houston Healthcare/University of Houston (Transitional Year), Houston, Texas (2021-2022) Baylor College of Medicine (Diagnostic Radiology), Houston, Texas (2022-2026)

# **DAVID THOMAS VIEN**

B.A., Rice University Residency Program: University of Oklahoma College of Medicine (Anesthesiology), Oklahoma City, Oklahoma

#### ALEXANDRA MAE VILLAGRAN

B.S., Baylor University Residency Program: University of Utah Health Pediatrics/Psychiatry/Child Psychiatry Salt Lake City, Utah

#### JAREY WANG

B.S. in Engineering, Duke University M.D., Doctor of Medicine\* Baylor College of Medicine M.D./Ph.D. Program: Ph.D., Baylor College of Medicine Residency Program: HCA Houston Healthcare/University of Houston (Transitional Year), Kingwood, Texas (2021-2022) Johns Hopkins University (Radiation Oncology), Baltimore, Baltimore (2022-2025) \*Degree Awarded December 31, 2020

# JULIA WANG

B.S., University of Michigan M.D., Doctor of Medicine\* Baylor College of Medicine M.D./Ph.D. Program: Ph.D., Baylor College of Medicine Residency Program: Hospital of the University of Pennsylvania (Pathology), Philadelphia, Pennsylvania

# VIVIAN XINYI WANG

B.A., Northwestern University Residency Program: Baylor College of Medicine (Psychiatry), Houston, Texas

### ERIC Z. WEI

B.S. in Chemical Engineering, The University of Texas at Austin Residency Program: Baylor College of Medicine (Anesthesiology), Houston, Texas

# **RENATA YVONNE WETTERMANN CAPO**

B.A., Rice University Residency Program: Baylor College of Medicine (Internal Medicine/Pediatrics), Houston, Texas

# **CASSIE NICOLE WEYLAND**

B.S., Texas A&M University Residency Program: Baylor College of Medicine (Internal Medicine/Pediatrics), Houston, Texas

#### **CLAIRE JORDAN WIGGINS**

B.S., University of Michigan-Ann Arbor Residency Program: University of Texas at Austin Dell Medical School (Transitional Year), Austin, Texas (2021-2022) Samaritan Health Services/Corvallis (Dermatology), Salem, Oregon (2022-2025)

# MARY TAYLOR WINSTEN

B.S., Baylor University Residency Program: MedStar Washington Hospital Center (Obstetrics and Gynecology), Washington, District of Columbia

# KENDALL NICOLE WOLKENSTEIN

B.A., Texas A&M University B.S., Texas A&M University Residency Program: Vanderbilt University Medical Center (Psychiatry), Nashville, Tennessee

# NICOLE SOO WONG

B. Science & Arts, The University of Texas at Austin Residency Program: Oregon Health & Science University (Internal Medicine), Portland, Oregon

#### AUDREY LEE MORGAN WRIGHT

B.S. in Physics, The University of Texas at Austin Residency Program: University of Arkansas College of Medicine (Orthopaedic Surgery), Little Rock, Arkansas

# **CATHERINE YIN WU**

B.A., Davidson College Residency Program: Johns Hopkins University/Bayview (Medicine-Primary Care), Baltimore, Maryland

# LAURA QI WU

B.S., Cornell University Residency Program: Baylor College of Medicine (internal Medicine), Houston, Texas

#### JASON PATRICK XU

B.S., University of California-Los Angeles Residency Program: Maimonides Medical Center (Emergency Medicine), Brooklyn, New York

# JUNRU YAN

B.A., Northwestern University Residency Program: Harbor - University of California, Los Angeles Medical Center (Medicine-Preliminary/Ophthalmology), Torrance California (2021-2022) University of California, Los Angeles David Geffen School of Medicine/University of California, Los Angeles Medical Center (Ophthalmology), Los Angeles, California (2022-2025)

# **PETER SANGEYUP YUN**

B.A., Rice University Baylor College of Medicine/The University of Texas Health Science Center at Houston School of Public Health M.D./M.P.H. Program: M.P.H., The University of Texas Health Science Center at Houston Residency Program: University of Texas Southwestern Medical School (Emergency Medicine), Dallas, Texas

# WYNNE QING ZHANG

B.S. in Bioengineering, Rice University Residency Program: Baylor College of Medicine (Surgery-Preliminary), Houston, Texas (2021-2022)

# MADHUSHREE ZOPE

B.S. in Business Administration, The University of Texas at Austin B.S., The University of Texas at Austin Residency Program: University of Alabama Medial Center (Surgery-General), Birmingham. Alabama

All degrees to be awarded are contingent upon satisfactory completion of all degree requirements.

# PERMANENT HONORS ALPHA OMEGA ALPHA HONOR MEDICAL SOCIETY School of Medicine

Alexander Jacob Alexander Nicole Leah Alexander Anna Elizabeth Berry Brandon Emilio Bertot Mohammad Faheem Bilal Ritodhi Chatterjee Ziba Aspi Colah Ashley Ann Cooney Annie Dai Charles Ryan Difalco Yelena Dokic Katherine Dong Michael Duan William Case Frankel Miguel Franquiz Soumya Gogia Lucy Deveaux Hart Joanne Ino Hsu Yasmin Khalfe Elizabeth Skye Kravitz Richa Lavingia

Monica Miao Li Margaret Lie Gary Liu Asad Loya Haley Gilbertson Marek Anne Elisabeth Miller Eric Rodolfo Molina Laura Anne Muruato Rachael L. Muschalek Jacqueline Katherine Olive Shiv J. Patel Kelly Suzanne Payne Courtney Nicole Pette Anjali Raghuram Sydney Julia Sachse Jeffrey Khoa Trong Than Andrew Coleman Thorsen Alexandra Mae Villagran Renata Yvonne Wettermann Capo Mary Taylor Winsten Junru Yan

# GOLD HUMANISM HONOR SOCIETY AT BAYLOR COLLEGE OF MEDICINE School of Medicine

Olivia Aguilar Barron Ritodhi Chatterjee Courtney Chin Jinna Chu Esteban Sean Davila Michael Duan Miguel Franquiz Soumya Gogia Elizabeth Skye Kravitz Timothy Minh La Brittany Le Jeremiah Minjay Lee Margaret Lie Rachel Socorro Madey Hannah Marie Meyer Eric Rodolfo Molina Anoosha Moturu Sonia Gomez Parra Valencia Potter Mary Taylor Winsten Peter Sangeyup Yun Madhushree Zope

# DUAL DEGREE PROGRAMS School of Medicine

#### M.D./Ph.D. Program

Joshua Matthew Adams Alexandra Leigh Chang-Graham Paul Gerard Fahey Jason Thomas George Joanne Ino Hsu Peter Nels Kundert Michael Tuan Lam Gary Liu Eric Rodolfo Molina Sonia Gomez Parra Jay M. Patel Valencia Potter Brandon Tyler Smith Gabriel Enrique Vazquez Velez Jarey Wang Julia Wang

#### Baylor College of Medicine / Rice University M.D./M.B.A. Program

Baylor College of Medicine

M.D./Ph.D. Program

Baylor College of Medicine is one of 50 institutions awarded a

by the National Institute of General Medical Sciences. The

program provides integrated scientific and medical training

students with outstanding research and academic potential.

competitive Medical Scientist Training Program grant supported

leading to the combined M.D./ Ph.D. degree to highly motivated

Baylor College of Medicine and Rice University Jones School of Management sponsor jointly a Program in Health Sciences Management, which answers the growing demand for skilled managers in the health care industry. The curriculum includes essential skills for the successful manager and an introduction into the body of knowledge that is unique to health care systems and operations.

#### M.D./M.B.A. Program

Mason Bening Varun Girish Bora Hyewon Choi James Matthew Jurica Cynthia Shuang Liang Felixnando Rubio, Jr.

# Baylor College of Medicine/The University of Texas School of Public Health M.D./M.P.H. Program

Baylor College of Medicine in partnership with the University of Texas School of Public Health jointly sponsor this five-year program for students who want training in both population health and clinical medicine. Students complete an additional 45-75 hours of credit in: Biostatistics, Epidemiology, Human Genetics and Environmental Sciences, Health Promotion and Behavioral Sciences, or Management Policy and Community Health to receive the M.P.H. degree.

# M.D./M.P.H. Program

Jose Rafael Dominguez Soumya Gogia Richa Lavingia Liezelle Chua Lopez Christina Maxey Rachel Louise Miller Peter Sangeyup Yun

# EDUCATIONAL PATHWAYS

# School of Medicine

Medical Ethics

# Care of the Underserved

David Crawford Soumya Gogia Caitlyn Elisabeth Gold Lucia Guerrero Maria Alejandra Jaramillo Maneesha Julakanti Richa Lavingia Brittany Le Margaret Lie Alexa Leigh Mason Christina Charsie Maxey Anoosha Moturu Laura Anne Muruato David Scott Oleson Shreeya Sanjay Patel Kelly Suzanne Payne Renata Yvonne Wettermann Capo Wynne Qing Zhang

#### Genetics & Genomics

Joshua Matthew Adams Priyanka Sanjay Deshpande Scott Master Lee Margaret Lie David Scott Oleson Julia Wang

Vedika Agrawal Alexander Jacob Alexander Anna Elizabeth Berry Brittany Elizabeth Bryant Imogen Clover-Brown Kristina Xinxin Duan Miguel Franquiz Kristi Adrian Fu Lucy Deveaux Hart Angela Huang Anh Phuong Huynh Katherine Henning Jones Richa Lavingia Scott Master Lee Lindsey Jean Limbaugh Liezelle Chua Lopez Asad Loya Cristina Charsie Maxey Anoosha Moturu Courtney Nicole Pette Alexandra Mae Villagran Kendall Nicole Wolkenstein

# Medical Research

Brandon Emilio Bertot Andrew Ty Bratsman Sricharan Gopakumar

#### Global Health

Mark Daniel Bailey Eugenia Yuchun Chen Elizabeth Louise Godfrey Nicole Gras Lucia Guerrero Michael Harrison Humphries Maneesha Julakanti Jeremiah Minjay Lee Tahir Hafeez Malik David Scott Oleson Renata Yvonne Wettermann Capo Cassie Nicole Weyland Jason Patrick Xu

# Healthcare Policy

Jose Dominguez Johnathan Go Allen Hu Tahir Malik Matthew Meyer Kelly Payne Anna Poliner Mary Taylor Winsten

#### Space Medicine

Elizabeth Louise Godfrey Haley Gilbertson Marek Daniel Kieran OConor Sonia Gomez Parra

# DIPLOMA IN TROPICAL MEDICINE

National School of Tropical Medicine

Mark Daniel Bailey Eugenia Yuchun Chen Priyanka Sanjay Deshpande Elizabeth Louise Godfrey Nicole Gras Lucia Guerrero Michael Harrison Humphries Josef Newton Jackson Maneesha Julakanti Jeremiah Minjay Lee Tahir Hafeez Malik David Scott Oleson Renata Yvonne Wettermann Capo Cassie Nicole Weyland Catherine Yin Wu Jason Patrick Xu Madhushree Zope

# SPECIAL AWARDS

School of Medicine

DeBakey Scholar Award Miguel Franquiz

#### Stanley W. Olson Award for Academic Excellence and Service

Alexander Jacob Alexander Joanne Ino Hsu

# Jeffrey C. Elkins Memorial Scholarship Award

Monica Miao Li Renata Yvonne Wettermann Capo Mary Taylor Winsten

# Lambert Award for Excellence in Medicine

Ziba Aspi Colah Katherine Dong

Baylor College of Medicine Alumni Association Lehmann Outstanding Student Award Grace Margaret Palmer

# Dean's Distinction in Medical Education

Hyewon Choi Ziba Aspi Colah Charles Ryan Difalco Katherine Dong Anh Phuong Huynh Maria Alejandra Jaramillo Daniel Wen-dan Liaou Tahir Hafeez Malik Daniel Kieran O'Conor Grace Margaret Palmer Courtney Nicole Pette

Dean's Distinction in the Foundations of High-Value Care and Quality Improvement

Jinna Chu Anoosha Moturu

# Dean's Distinction in Service Learning

Muhammad Ibrahim Akbar Nicole Leah Alexander Andrew Michael Alter Centura Rohini Anbarasu Mason Thomas Bening Pauline Margaret Berens Brittany Elizabeth Bryant Kevin Ming Chen Hyewon Choi Jinna Chu Ziba Aspi Colah Rachel Lauren Cowley David Crawford Brandon Thinh Dang Priyanka Sanjay Deshpande Nicholas Alexander Devito Yelena Dokic Katherine Dong Wendy Du Jaeeun Go Jonathan Austin Go Katherine Henning Jones Michael Tuan Lam Maxwell Lee Scott Master Lee Cynthia Shuang Liang Margaret Lie Elyse Rose Lopez Martavius Trevion Lovall Tahir Hafeez Malik Rachel Louise Miller Anoosha Moturu Alexander Vu Nguyen Sonia Gomez Parra Shreeya Sanjay Patel Ujval Shyam Pathak Anna Delena Poliner Felixnando Rubio, Jr. Deepankar Kumar Sinha Hamsini Sriraman Acara Elane Turner Jaijo Jaison Vennatt Claire Jordan Wiggins Wynne Qing Zhang

# SPECIAL AWARDS

School of Medicine

Richard R. Dickason, Jr., M.D., Ph.D., Outstanding Physician Scientist Award Eric Rodolfo Molina

The Medical Scientist Training Program Outstanding Service Award Sonia Gomez Parra

Valencia Potter

Women of Excellence Award Jacqueline Katherine Olive Mary Taylor Winsten

American Medical Women's Association Glasgow-Rubin Certificate of Commendation for Academic Achievement

Anna Elizabeth Berry Ziba Aspi Colah Katherine Dong Joanne Ino Hsu Monica Miao Li Kelly Suzanne Payne Anjali Raghuram Renata Yvonne Wettermann Capo Mary Taylor Winsten Junru Yan

S. Carl Harvey Memorial Award for Excellence in Gross Anatomy Alexander Jacob Alexander

Lawrence F. Schumacher Award for Excellence in Anesthesiology Andrew Coleman Thorsen

American Society of Anesthesiologists Medical Student Recognition Program Alexander Kuykendall Lang

Texas College of Emergency Physicians Outstanding Medical Student Award Peter Sangeyup Yun Society for Academic Emergency Medicine Excellence in Emergency Medicine Award Rachael L. Muschalek

American College of Emergency Physicians Professionalism and Service Award Muhammad Ibrahim Akbar

Department of Emergency Medicine Star Student Award Jason Patrick Xu

ACEP/EMRA National Outstanding Medical Student Award Muhammad Ibrahim Akbar

Leonard D. Moise Award for Excellence in Family Medicine Rami George Ghanayem Jaeeun Go Jeremiah Minjay Lee

Arthur L. Beaudet Award for Outstanding Scholarship in Genetics Julia Wang

The Kenneth L. Burdon Foundational Sciences Curriculum Academic Achievement Award in Infectious Diseases Courtney Nicole Pette

The Harry and Rose Caplovitz Internal Medicine Award Joanne Ino Hsu

American Academy of Neurology Excellence in Neurology Award Maria Alejandra Jaramillo

Neurology Departmental Excellence in Neurology Award Martavius Trevion Lovall

# SPECIAL AWARDS

School of Medicine

Houston Gynecological and Obstetrics Society Award Lauren LeMaire Gray

Outstanding Medical Student in Obstetrics and Gynecology Elizabeth Skye Kravitz

# Outstanding Students in Orthopaedic Surgery

Bradley Kyle Alexander Olivia Aguilar Barron Varun Girish Bora Andrew Ty Bratsman Katherine Dong Brett Lee Heldt Jonathan Lash Shiv J. Patel Isaiah Gilbert Roepe Audrey Lee Morgan Wright

Outstanding Achievement in Otolaryngology-Head and Neck Surgery Nicole Leah Alexander

Stuart A. Wallace Award for Excellence in Pathology Anh Phuong Huynh Julia Wang The Ralph D. Feigin, M.D., Medical Student Excellence in Pediatrics Award Courtney Nicole Pette

The L. Leighton Hill, M.D., Medical Student Excellence in Pediatrics Award Alexander Jacob Alexander

Outstanding Student in Plastic Surgery Linden Shih

The Hilde Bruch Award for Excellence in Psychiatry Vivian Xin Wang

The John P. McGovern, M.D. Award for Excellence in Psychiatry Jacqueline Katherine Olive

Michael E. DeBakey Department of Surgery Outstanding Student in Surgery Award Anoosha Moturu

Arnold Award for Excellence in Urology Jacob Louis Kraus John P. McGovern Outstanding Teacher Award in the Foundational Sciences M. Tyson Pillow, M.D., M.Ed. John P. McGovern Outstanding Teacher Award in the Clinical Sciences Stephanie V. Sherman, M.D.

Marc Dresden Excellence in Graduate Education Award

William Lagor, Ph.D.

The Barbara and Corbin J. Robertson, Jr. Presidential Award for Excellence in Education

Hugo J. Bellen, D.V.M., Ph.D.

Kanta Velamuri, M.D., M.Ed., FCCP

The Ben and Margaret Love Foundation Bobby Alford Award for Academic Clinical Professionalism

Sophia Banu, M.D.

Norton Rose Fulbright Faculty Excellence in Education Awards

#### Teaching and Evaluation

Elisha M Acosta, M.D. Assistant Professor Department of Medicine

Oluyemisi Adeyemi-Fowode, M.D. Assistant Professor Department of Obstetrics & Gynecology

Ritwick Agrawal, M.D. Assistant Professor Department of Medicine

Titilopemi A.O. Aina, M.D., M.P.H. Assistant Professor Department of Anesthesiology

Gladstone Airewele, M.B.B.S., M.P.H. Associate Professor Department of Pediatrics

Mayar Al Mohajer, M.D., M.B.A. Associate Professor Department of Medicine Philip Alapat, M.D. Assistant Professor Department of Medicine

Uma S. Ayyala, M.D. Assistant Professor Department of Medicine

Rajeev Balchandani, M.D. Assistant Professor Department of Medicine

Jeffrey Todd Bates, M.D. Associate Professor Department of Medicine

Leandra N. Berry, Ph.D. Assistant Professor Department of Pediatrics

Julie A. Boom, M.D. Professor Department of Pediatrics Julienne Brackett, M.D., M.S. Assistant Professor Department of Pediatrics

Stephen Bujarski, M.D. Assistant Professor Department of Medicine

Megan Bullerwell, D.N.P., CRNA Assistant Professor Department of Anesthesiology

Lindsay C. Burrage, M.D., Ph.D. Assistant Professor Department of Molecular & Human Genetics

Christy Y. Chai, M.D., FACS Assistant Professor Department of Surgery

Arvind Chandrakantan, M.D., M.B.A., FAAP, FASA Assistant Professor Department of Anesthesiology

Bich N. Dang, M.D. Assistant Professor Department of Medicine

Shailendra Das, D.O. Assistant Professor Department of Pediatrics

Andrea Dean, M.D. Assistant Professor Department of Pediatrics

Daniela Dinu, M.D. Assistant Professor Department of Pediatrics

Tanya N. Eble, M.S., CGC Assistant Professor Department of Molecular & Human Genetics

Peter Ermis, M.D. Assistant Professor Department of Pediatrics

Kevin E. Fisher, M.D., Ph.D. Assistant Professor Department of Pathology

Ruchi Gaba, M.D. Assistant Professor Department of Medicine

K. Kelly Gallagher, M.D. Assistant Professor Department of Otolaryngology

Chris D. Glover, M.D., M.B.A. Associate Professor Department of Anesthesiology

Shawn Groth, M.D., M.S. Associate Professor Department of Surgery Alison Haddock, M.D. Assistant Professor Department of Emergency Medicine

Joud Hajjar, M.D., M.S. Assistant Professor Department of Pediatrics

Sanjiv Harpavat, M.D., Ph.D. Assistant Professor Department of Pediatrics

Lauren M. Hess, M.D. Assistant Professor Department of Pediatrics

Molly Horstman, M.D., M.S. Assistant Professor Department of Medicine

Cary Hsu, M.D., FACS Assistant Professor Department of Surgery

Nisreen S. Husain, M.D. Assistant Professor Department of Medicine

Shilpa Jain, M.D. Associate Professor Department of Pathology

Parag Jain, M.D., FAAP Assistant Professor Department of Pediatrics

Megha Karkera Kanjia, M.D. Assistant Professor Department of Anesthesiology

Ruchi Kaushik, M.D., M.P.H. Assistant Professor Department of Pediatrics

Susan E. Kirk, PA-C Assistant Professor Department of Pediatrics Aimee Langley, D.N.P., CRNA, CHSE Assistant Professor Department of Anesthesiology

Javier J. Lasa, M.D. Assistant Professor Department of Pediatrics

Susan C. Lee, M.D. Associate Professor Department of Anesthesiology

Holly B. Lindsay, M.D., M.S. Assistant Professor Department of Pediatrics

Kim Little-Wienert, M.D., M.Ed. Assistant Professor Department of Pediatrics

Pablo Lohmann, M.D. Assistant Professor Department of Pediatrics

Keila N. Lopez, M.D., M.P.H. Associate Professor Department of Pediatrics

Lee B Lu, M.D. Associate Professor Department of Medicine

Ruth Ann Luna, Ph.D. Assistant Professor Department of Pathology

Renata Souza Maricevich, M.D. Assistant Professor Department of Plastic Surgery

Sandeep Markan, M.D., M.B.B.S. Associate Professor Department of Anesthesiology

Stephanie A. Marton, M.D., M.P.H. Assistant Professor Department of Pediatrics

Nader N. Massarweh, M.D. M.P.H. Associate Professor Department of Surgery

Jennifer Alden Mauney, M.S.N., APRN, CPNP-AC Instructor Department of Pediatrics

Tracy E. McCallin, M.D., FAAP Assistant Professor Department of Pediatrics

Meghan E. McClure, M.D. Assistant Professor Department of Pediatrics

Julie K. McManemy, M.D., M.P.H. Assistant Professor Department of Pediatrics

Sanjay N. Mediwala, M.D. Assistant Professor Department of Medicine

Amy R. Mehollin-Ray, M.D. Associate Professor Department of Radiology

Courtney N. Miller-Chism, M.D. Assistant Professor Department of Medicine

Sonia Monteiro, M.D. Assistant Professor Department of Pediatrics

Christopher K. Morgan, M.D. Assistant Professor Department of Medicine

Ashley Mullen, Ph.D., MSAT, CPO Assistant Professor School of Health Professions'

Dharani Narendra, M.D., FCCP Assistant Professor Department of Medicine Diane Nguyen, PharmD Assistant Professor Department of Pediatrics

J. Biba Nijjar, M.D., M.P.H., MSEd Assistant Professor Department of Obstetrics & Gynecology

Melissa Nikolaidis, M.D. Assistant Professor Department of Anesthesiology

Jennifer Okoh, M.B.B.S., M.P.H., FAAFP Assistant Professor Department of Family & Community Medicine

Athar M. Qureshi, M.D. Professor Department of Pediatrics

Suman Rajagopalan, M.D., FASA Associate Professor Department of Anesthesiology

Bani Maheshwari Ratan, M.D. Assistant Professor Department of Obstetrics & Gynecology

Alan F. Riley, M.D. Assistant Professor Department of Pediatrics

Sarah Risen, M.D. Assistant Professor Department of Pediatrics

Rashmi Rode, M.D., FAAFP Assistant Professor Department of Family & Community Medicine

Stacey Rubin Rose, M.D. Assistant Professor Department of Internal Medicine Melanie A. Samuel, Ph.D. Assistant Professor Department of Neuroscience

Pralay Kumar Sarkar, M.D. Assistant Professor Department of Medicine

John Saunders, M.D., M.S. Assistant Professor Department of Psychiatry & Behavioral Sciences

Sohail R. Shah, M.D., MSHA Associate Professor Department of Pediatric Surgery

Shreya S. Sheth, M.D. Assistant Professor Department of Pediatrics

Poyyapakkam Srivaths, M.D., M.S. Associate Professor Department of Pediatrics

Alexandra McLean Stevens, M.D., Ph.D. Assistant Professor Department of Pediatrics

Nathan C. Sundgren, M.D., Ph.D. Assistant Professor Department of Pediatrics

Alex D. Sweeney, M.D. Assistant Professor Department of Otolaryngology

Jennifer Marie Taylor, M.D., M.P.H. Assistant Professor Department of Urology

Premal M. Trivedi, M.D. Associate Professor Department of Anesthesiology

Jeremy Lynn Ward, M.D., FACS Assistant Professor Department of Surgery

Kenneth Wayman, M.D. Assistant Professor Department of Anesthesiology

Brian Wisnoski, M.D. Assistant Professor Department of Family & Community Medicine

Lisa Mouzi Wofford, M.D. Assistant Professor Department of Anesthesiology

Jeffrey M. Yau, Ph.D. Assistant Professor Department of Neuroscience

Sarvari Yellapragada, M.D. Associate Professor Department of Medicine

#### Educational Leadership

Philip Alapat, M.D. Assistant Professor Department of Medicine

Audrea M. Burns, Ph.D. Assistant Professor Department of Pediatrics

Nana E. Coleman, M.D., Ed.M. Associate Provost Department of Pediatrics

Cedric Dark, M.D., M.P.H. Assistant Professor Department of Emergency Medicine

Rachel Davis, D.N.P., CRNA, CHSE Assistant Professor Department of Anesthesiology

Rochelle T. Dy, M.D. Associate Professor Department of Physical Medicine & Rehabilitation Stephanie D. Gordy, M.D. Assistant Professor Department of Surgery

Milena Gould Suarez, M.D. Associate Professor Department of Medicine

Juliet Georgia Holder-Haynes, M.D., M.B.A., M.S. Assistant Professor Department of Surgery

Christina Kao, M.D., Ph.D. Associate Professor Department of Medicine

YoungNa J. Lee-Kim, M.D., M.Ed. Associate Professor Department of Pediatrics

Jenelle E. Little, M.D., FAAP Assistant Professor Department of Pediatrics

Joseph Lubega, M.D., M.S., CPE Associate Professor Department of Pediatrics

Amy R. Mehollin-Ray, M.D. Associate Professor Department of Radiology

Debra D. Murray, Ph.D. Assistant Professor Department of Molecular & Human Genetics

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# THE HISTORY AND SUCCESSION OF THE HIPPOCRATIC OATH

Hippocrates, considered the father of Western medicine, was born in approximately 460 B.C. on the island of Kos in Ancient Greece. He separated medicine from religion, believing that human illness arises from natural rather than divine or spiritual causes. Hippocrates is also famous for the oath that carries his name. Although likely not composed by Hippocrates himself, the Hippocratic Oath is the first known statement of a code of medical ethics and places the wellbeing of patients and the honor of the profession as central principles guiding the practice of medicine.

The first recorded administration of the Hippocratic Oath in a medical school was at the University of Wittenberg, Germany in 1508. However, only after World War II did oath-taking play an important role in U.S. medical school graduation ceremonies. Today, nearly every U.S. medical school administers some type of professional oath at graduation.

In 1948, responding to the role physicians played in violating human rights during World War II, the World Medical Association (WMA) adopted the Declaration of Geneva to serve as a contemporary successor to the Hippocratic Oath. The Declaration of Geneva, most recently revised in 2017 as the Physician's Pledge, embodies a number of principles fundamental to the ethical practice of medicine in the 21st century, such as respect for patient autonomy, attention to physician self-care, and a commitment to practicing medicine in accordance with appropriate medical standards. Because the core values memorialized in the WMA Physician's Pledge reflect the core values of contemporary medicine, Baylor College of Medicine medical students, through their Student Senate, adopted the WMA Physician's Pledge as their "Hippocratic Oath for the 21st Century Physician."