

THE UNIVERSITY OF NEW MEXICO HEALTH & HEALTH SCIENCES



SCHOOL OF  
MEDICINE

DOCTOR OF PHILOSOPHY

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DOCTOR OF MEDICINE

2023 CONVOCATION

MAY 12, 2023

# PROGRAM

## WELCOME ADDRESS & MASTER OF CEREMONIES

**PATRICIA W. FINN, MD**

Dean & Professor, UNM School of Medicine

## INTRODUCTION OF SPEAKERS

## KEYNOTE ADDRESS

**TRACIE C. COLLINS, MD, MPH, MHCDS**

Dean & Professor, UNM College Population of Health

## STUDENT ADDRESS

**SEBASTIAN RESTREPO CRUZ**

PhD Candidate

**DONOVAN CHASE THE BEAR**

MD Candidate

## RECIPIENTS OF THE ERVIN W. LEWIS, MD, TEACHING AWARD

The Ervin W. Lewis, MD, Teaching Awards are presented each year by the graduating medical students to educators well-versed in the art, science, and practice of medicine. They are awarded to two faculty members and a resident who best exemplify the professional qualities upon which the graduates will model their careers: competence, compassion, and humanitarian concern for their patients.

This award was established in 2005 in memory of Dr. Lewis, a 1997 UNM School of Medicine graduate and much-admired faculty member, who embodied these ideals and advocated for a diverse student body and a culturally competent curriculum.

### The Class of 2023 has Selected...

**PATRICK RENDON, MD**

Ervin W. Lewis Faculty Teaching Award in the Basic Sciences  
Associate Professor, Internal Medicine

**TARUN GIROTRA, MD**

Ervin W. Lewis Faculty Teaching Award in the Clinical Sciences  
Assistant Professor, Neurology

**MATTHEW DAVOUDZADEH, MD**

Ervin W. Lewis Resident Teaching Award  
Resident, Obstetrics & Gynecology

# **PROGRAM**

## **PRESENTATION OF DOCTORATE OF PHILOSOPHY CANDIDATES**

**NANCY L. KANAGY, PHD**

Interim Director, Biomedical Sciences Graduate Program  
Chair and Professor, Department of Cell Biology & Physiology

## **OATH OF THE SCIENTIST**

**CLASS OF 2023**

## **PRESENTATION OF MEDICAL DOCTORATE CANDIDATES**

**PATRICIA W. FINN, MD**

Dean & Professor, UNM School of Medicine

**TERESA A. VIGIL, MD**

Interim Senior Associate Dean of Education  
Professor of Pediatrics

## **THE DECLARATION OF GENEVA**

**CLASS OF 2023**

## **RECESSIONAL**

## REGENTS AND LEADERSHIP

The University of New Mexico Regents, President and Executive Vice President for UNM Health Sciences welcome you to the UNM School of Medicine MD & PhD 2023 Convocation.

### **BOARD OF REGENTS OF THE UNIVERSITY OF NEW MEXICO**

**KIMBERLY SANCHEZ RAEI, MBA**  
Chair

**JACK FORTNER, JD**  
Vice Chair

**ROBERT L. SCHWARTZ, JD**  
Secretary/Treasurer

**RANDY KO, MD/PHD CANDIDATE**  
Student Regent

**PAUL BLANCHARD**

**WILLIAM H. PAYNE, JD**

**PAULA TACKETT**

### **EXECUTIVE LEADERSHIP**

**GARNETT S. STOKES, PHD**  
President

**DOUGLAS M. ZIEDONIS, MD, MPH**  
Executive Vice President for UNM Health Sciences  
Chief Executive Officer for the UNM Health System

# THE UNM SCHOOL OF MEDICINE ALUMNI EMERITI

Graduates from the UNM School of Medicine Class of 1973 are honored at Convocation as esteemed alumni of 50 years. We celebrate their careers and contributions to medicine as lifelong Lobo MDs.

## **GOLDEN GRADUATES**

**MANUEL ARCHULETA**

**EVERETT CAMPBELL**

## **CONVOCATION MARSHALS**

**ALFONSO BELMONTE, MD**

Co-Director for Career Advisement  
Office of Medical Student Affairs, UNM School of Medicine

**LAURA GONZALEZ BOSC, PHD**

Professor, Department of Cell Biology & Physiology

**REBECCA HARTLEY, PHD**

Professor & Assistant Dean, Department of Cell Biology & Physiology

**JENS LANGSJOEN, MD**

Associate Professor, Department of Internal Medicine

**TOM MARKLE, PHD**

Director of Applied Cognition Program & Assistant Professor,  
Department of Family & Community Medicine

**JODY STONEHOCKER, MD**

Co-Director for Career Advisement,  
Office of Medical Student Affairs, UNM School of Medicine

**C. FERNANDO VALENZUELA, MD, PHD**

Professor, Department of Neurosciences

## KEYNOTE SPEAKER



**TRACIE C. COLLINS, MD, MPH, MHCDS**  
Dean and Professor  
UNM College Population of Health

In 2020, Dr. Collins accepted Gov. Michelle Lujan Grisham's request that she serve the state in an official capacity and lead the New Mexico Department of Health through a challenging portion of the COVID-19 pandemic. After operationalizing and overseeing the agency's COVID-19 vaccination efforts, she returned to her post as Dean of the College of Population Health in July 2021.

Dr. Collins completed an Internal Medicine residency at the University of Oklahoma, Tulsa, followed by a fellowship in General Internal Medicine at Harvard Medical School and a Master of Public Health at Harvard School of Public Health.

From November 2011 to June 2019, Dr. Collins served as Chair, Department of Preventive Medicine and Public Health, and was a Kansas Health Foundation Distinguished Professor. From 2010 to 2012, she was Chair for the Disparities Task Force, Society of General Internal Medicine. From 2013 to 2016, she served as President-Elect, President, and Immediate Past-President for the Association of Chiefs and Leaders of General Internal Medicine.

She completed several trials, funded by the NIH, to determine the efficacy of phone-based, texting, and smartphone applications to promote physical activity among diverse populations including African Americans with peripheral artery disease, overweight/obese adults with PAD, and Latino adults with one or more risk factors for cardiovascular disease.

Having maintained board certification in general internal medicine and vascular medicine, she maintains a clinical practice as a vascular specialist. To have a greater impact on health care delivery, in February 2018, she completed a Master of Health Care Delivery Science degree at Dartmouth.

# OATH OF THE SCIENTIST

As a recipient of the Doctor of Philosophy degree,  
I earnestly assert that

I will apply my scientific skills and principles to benefit society;

I will continue to practice and support a scientific process that is  
based on logic, intellectual rigor, personal integrity, and an  
uncompromising respect for truth;

I will treat my colleagues' work with respect and objectivity;

I will convey these scientific principles in my chosen profession,  
in mentoring, and in public debate;

I will seek to increase public understanding of the principles of  
science and its humanitarian goals.

These things I do promise.

# JURAMENTO HIPOCRÁTICO DEL CIENTÍFICO

Habiendo recibido el título de Doctor en Filosofía,

yo aseguro que aplicaré principios y habilidades científicas en  
beneficio de la sociedad;

Yo seguiré practicando y apoyando el proceso científico basado en  
la lógica, el rigor intelectual, la integridad personal, y el respeto  
intransigente de la verdad;

Yo trataré a mis colegas del trabajo con respeto y objetividad;

Yo transmitiré estos principios científicos en la profesión de mi  
elección, en tutoría, y en el debate público;

Yo buscaré aumentar el entendimiento público de los principios  
científicos y sus objetivos humanitarios.

Estas cosas yo prometo.

# DOCTORATE OF PHILOSOPHY CANDIDATES

## ROGER ATANGA

*Dissertation Title:* Heavy metal-laden particulate exposure induces enteroendocrine expansion in adult human colonoids

*Mentor:* Julie In, PhD, Department of Internal Medicine

## RABEYA BILKIS

*Dissertation Title:* Mechanistic insights into oxidatively damaged DNA repair by Cockayne Syndrome protein B

*Mentor:* Hua-Ying Fan, PhD, Department of Internal Medicine

## SEEMA KHATTRI BHANDARI

*Dissertation Title:* Effect of Ligase I deficiency on the replication fork and chromatin

*Mentor:* Alan Tomkinson, PhD, Department of Internal Medicine

## SEBASTIAN RESTREPO CRUZ

*Dissertation Title:* Tetraspanin CD82 regulates EGFR molecular organization, dynamics, and signaling

*Mentor:* Jennifer Gillette, PhD, Department of Pathology

## RYOTA SHIMADA~

*Dissertation Title:* Thesis: DNA Tiling Array for Detection, Whole Genome Sequencing, Variant Identification, and Phylogenetic Analysis of SARS-CoV-2

*Mentor:* Jeremy Edwards, PhD, Department of Internal Medicine

## ERIC M. SMALL

*Dissertation Title:* Defining the Role of Core Histones in Cellular Quiescence

*Mentor:* Mary Ann Osley, PhD,  
Department of Molecular Genetics & Microbiology

## JORDAN E. WEISEND

*Dissertation Title:* Cell and Molecular Determinants of Brain Tissue Plasticity and Impairment after Spreading Depolarization

*Mentor:* Bill Shuttleworth, PhD, Department of Neurosciences



# DECLARATION OF GENEVA

AS A MEMBER OF THE MEDICAL PROFESSION:

I SOLEMNLY PLEDGE  
to dedicate my life to the service of humanity;

THE HEALTH AND WELL-BEING OF MY PATIENT  
will be my first consideration;

I WILL RESPECT  
the autonomy and dignity of my patient;

I WILL MAINTAIN  
the utmost respect for human life;

I WILL NOT PERMIT  
considerations of age, disease or disability, creed, ethnic origin,  
gender, nationality, political affiliation, race,  
sexual orientation, social standing, or any other factor  
to intervene between my duty and my patient;

I WILL RESPECT  
the secrets that are confided in me,  
even after the patient has died;

I WILL PRACTICE  
my profession with conscience and dignity  
and in accordance with good medical practice;

I WILL FOSTER  
the honor and noble traditions of the medical profession;

I WILL GIVE  
to my teachers, colleagues, and students the respect and gratitude  
that is their due;

I WILL SHARE  
my medical knowledge for the benefit of the patient  
and the advancement of health care;

I WILL ATTEND TO  
my own health, well-being, and abilities in order to provide care  
of the highest standard;

I WILL NOT USE  
my medical knowledge to violate human rights and civil liberties,  
even under threat;

I MAKE THESE PROMISES  
solemnly, freely, and upon my honor.

## Nahasdzáán Bikáá'góó Azeé' Yooléelii Be'iina' Íshjónán Ílitééh

Azeé' ąqah Ál'í [Bee Dabi'diszí'ii Atah Azeé' Ááh Ásh'íí Doo Díí Binahíí]:

Kodóó dinisingo dóó shít nílíígo bee haasdziih díí bíla'ashdla'ii kót'éego bá na'anish she'iina' doo.

Azeé' bąqah ásh'íinii alqąj' shíni' nílíí doo éí bee doo bąqhtééhgóó dóó hózhqo go dahináa doo.

Azeé' bąqah ásh'íinii dinisin dóó bighan dóó bikq' dinisin doo.

Alááh át'éego bíla'ashdla'ii be'iina' shít nílíí doo.

Azeé' bąqah ásh'íinii dóó shinaanish yit'ihgi ooch'íída adaat'éii, binááhahíí, bąqah dahaz'áníí, be'oodlq', dóone'í nílíníí, diné dóó asdzání nílíníí, bikéyahdęé' yigáátíí, nahat'á yikéé' sızíníí, at'qą dine'é nílíníí, béého'dilzingo bit haz'áníí, t'áa ha'át'íshíí doo yá'áshóonii bita'góne' doo adoot'ih da.

Baa dahast'ii bee shít hóóne'íí dinisin doo azhą azeé' bąq ásh'íinii bikéé' áhásdįd nidi.

Azeé' ąqah Ál'í shinaanishíí shít nílíígo dinisingo bee áká aheshyeed doo.

Azeé' bee áká i'iiyeedgo baa dahas'ti'ii dóó díłzinii bik'ehgo azeé' yishtéet doo.

Bits'ąqadóó ínáhoosh'aahii, bit ahít naashnishii, dóó shínídahool'aahii baa ahééh nisin dóó shít nílíí doo.

Azeé' ąqah Ál'í shít béé hóziníí shits'ąqadóó bíhoo'aahgo azeé' bąqah ádaal'íinii dóó ats'íis baa áháyą bee da'íníshgóó bee yá'áhoot'éeh doo.

T'áa shí adénashniingo bee chánah nistíígo, shít hózhqogo, dóó bínéesh'ąqago alááh anítšogo át'éego azeé' bee áká aheshyeed doo.

Azeé' ąqah Ál'í [bééhasinígíí doo bila'ashdla'ii bíbeehaz'áanii dóó yee sihdinidzinii bik'íí] nideeshnish da, azhą hái da shít yéé' áhósín nidi;

Díí bee t'áa shí shíhóníingo ádee hadeesdzíí' dóó bee hinishnáadoo.

# PROMESA DEL MÉDICO

## COMO MIEMBRO DE LA PROFESIÓN MÉDICA:

PROMETO SOLEMNEMENTE

dedicar mi vida al servicio de la humanidad;

VELAR

ante todo por la salud y el bienestar de mis pacientes;

RESPETAR

la autonomía y la dignidad de mis pacientes;

VELAR

con el máximo respeto por la vida humana;

NO PERMITIR

que consideraciones de edad, enfermedad o incapacidad, credo, origen étnico, sexo, nacionalidad, afiliación política, raza, orientación sexual, clase social o cualquier otro factor se interpongan entre mis deberes y mis pacientes;

GUARDAR Y RESPETAR

los secretos que se me hayan confiado, incluso después del fallecimiento de mis pacientes;

EJERCER

mi profesión con conciencia y dignidad,  
conforme a la buena práctica médica;

PROMOVER

el honor y las nobles tradiciones de la profesión médica;

OTORGAR

a mis maestros, colegas y estudiantes el respeto y la gratitud que merecen;

COMPARTIR

mis conocimientos médicos en beneficio del paciente y del avance de la salud;

CUIDAR

mi propia salud, bienestar y capacidades para prestar una  
atención médica del más alto nivel;

NO EMPLEAR

mis conocimientos médicos para violar los derechos humanos y las  
libertades ciudadanas, ni siquiera bajo amenaza;

HAGO ESTA PROMESA

solemne y libremente, empeñando mi palabra de honor.

# MEDICAL DOCTORATE CANDIDATES

## WELLY T. AGATE

PharmD, University of Cincinnati, 2013

*Research:* Effect of Continuous Glucose Monitoring on Glycemic Control in Kidney Transplant Patients

*Research Mentor:* Maria-Eleni Roumelioti, MD

*Residency:* Anesthesiology, Mayo Clinic School of GME, AZ

*Hometown:* Lome, Togo, West Africa

## MALIK ALQAWASMI

BS, Biological Systems, The University of New Mexico, 2019

*Research:* High Fat Diet Increases Portal Venous Blood Flow in Rats

*Research Mentor:* Aleksandr Birg, MD

*Residency:* Internal Medicine, UNM School of Medicine, NM

*Hometown:* Tal El-Safi, Palestine

## JAWAHER ASSED

BS, The University of New Mexico, 2019

*Research:* Collaborative CBPR Partnerships and Healthcare Workforce Task Shifting

*Research Mentor:* Laura Parajon, MD

*Residency:* Anesthesiology, UNM School of Medicine, NM

*Hometown:* Albuquerque, NM

## DOMINIK ASTORGA

BS, The University of New Mexico, 2019

*Research:* COVID Impact on Mental Health Across Medical School Classes

*Research Mentor:* Elizabeth Lawrence, MD

*Residency:* Pediatrics, UNM School of Medicine, NM

*Hometown:* Albuquerque, NM

## ANDREWE BACA

BA, The University of New Mexico, 2018

*Research:* Predicting Nodal Metastases in Squamous Cell Carcinoma of the Oral Tongue using Artificial Intelligence

*Research Mentor:* Nathan Boyd, MD

*Hometown:* Santa Fe, NM

## ERIKA BACA

BS, The University of New Mexico, 2019

*Research:* Mental Health and Social Support Among Elderly Cancer Survivors in a Gardening-Based Wellness Intervention in the Southwest During the COVID-19 Pandemic

*Research Mentor:* Cindy Blair, PhD

*Residency:* Diagnostic Radiology, UNM School of Medicine, NM

*Hometown:* Las Vegas, NM

# MEDICAL DOCTORATE CANDIDATES

## KATRINA BACA

BS, The University of New Mexico, 2018

*Research:* The Correlation Between Food Insecurity Prevalence and Obesity-Related Cancer Incidence Rates at the County Level

*Research Mentor:* Jean McDougall, PhD

*Residency:* Anesthesiology, University of Texas Medical School-Houston, TX

*Hometown:* Albuquerque, NM

## KRISTEN ROSE BACA

MBA, Texas Tech University, 2019; BS Cellular and Molecular Biology, Texas Tech University, 2018; BA Spanish, Texas Tech University, 2018

*Research:* UNMH Hospitalist Triage Pilot

*Research Mentor:* Christopher Bartlett, MD, MPH

*Residency:* Emergency Medicine, Baylor University Medical Center-Dallas, TX

*Hometown:* Albuquerque, NM

## MATTHEW A. BARELA

BS, Biology

*Research:* Concussion and Psychological Effects:  
A Review of Recent Literature

*Research Mentor:* Rachel Chamberlain, MD

*Residency:* Emergency Medicine, UNM School of Medicine, NM

*Hometown:* Santa Fe, NM

## CHRISTIAN BARR

MPH, Rutgers University, 2018

*Residency:* Family Medicine, University of Arizona COM-South Campus, AZ

*Hometown:* Albuquerque, NM

## SAMUEL BAYLISS

BSEE, MSEE, New Mexico State University, 2016, 2018

*Research:* Wood smoke exposure affects lung aging, quality of life, and all-cause mortality in New Mexican smokers

*Research Mentor:* Shuguang Leng, PhD

*Residency:* General Surgery, HCA Medical City Healthcare, Arlington, TX

*Hometown:* Raton, NM

## JESSICA K. BENALLY

BS, The University of New Mexico, 2017

*Research:* GBS Response After Probiotic Exposure

*Research Mentor:* Katrina Nardini, CNM, WHNP-BC, MPH

*Residency:* Obstetrics & Gynecology, UNM School of Medicine, NM

*Hometown:* Gallup, NM

# MEDICAL DOCTORATE CANDIDATES

## MOLLY BIGGS

BS, University of Washington, 2013

*Research:* Utilization of Smear Review and Flow Cytometry  
to Triage Potential Leukemic Cases in Autopsy

*Research Mentor:* Clarissa Krinsky, MD

*Residency:* Pathology, UNM School of Medicine, NM

*Hometown:* Albuquerque, NM

## SANDRA BOETTCHER

BS, University of Dallas, 2016

*Research:* Denosumab-Induced Periprosthetic Fracture  
in Cemented Total Hip Arthroplasty: A Case Report

*Research Mentor:* Micheal Decker, MD

*Residency:* Obstetrics & Gynecology, Brooke Army Medical Center, TX

## PROMISE BOOD

BA Biology and BA Health, Medicine and Human Values,  
The University of New Mexico, 2019

*Research:* The Influence of Institutional Trust on the Academic  
Decisions of Medical Students

*Research Mentor:* Patrick Rendon, MD

*Residency:* Obstetrics & Gynecology, Texas Tech University-El Paso, TX

*Hometown:* Alamogordo, NM

## DOROTHY BOWERS WU

BA, English Literature, Rutgers University

MM, Flute Performance, Manhattan School of Music;

Rotary Ambassadorial Scholar, Post-Graduate Studies in Music Performance,  
Conservatoire National Supérieur de Danse et Musique de Lyon (France)

*Research:* Individualized Targeting and Neuromodulation of Late-Life  
Depression, and Music Interventions in an Acute Inpatient Psychiatry Unit

*Research Mentor:* Davin Quinn, MD

*Residency:* Psychiatry, UNM School of Medicine, NM

*Hometown:* New York City, NY

## MADELINE VICTORIA BROWN

BS, The University of New Mexico, 2019

*Research:* Substance Use Disorder Resource List for Inpatient  
Use at UNM Hospital

*Research Mentor:* Sergio Huerta, MD

*Residency:* Family Medicine, Kootenai Health, ID

*Hometown:* Albuquerque, NM

# MEDICAL DOCTORATE CANDIDATES

## **NATHANIEL E. BUTTERS**

BBA, The University of New Mexico, 1999;  
JD, The University of New Mexico School of Law, 2007  
*Research:* Mast Cell Activation Syndrome Awareness  
*Research Mentor:* Jasen Christensen, DO  
*Residency:* Internal Medicine, UNM School of Medicine, NM  
*Hometown:* Albuquerque, NM

## **LIONEL MICHAEL CANDELARIA JR.**

MPH, The University of New Mexico, 2018  
*Research:* Exhaled Breath Analysis for COVID-19 Detection  
Using Runtime Cavity Ringdown (rtCRD) Spectroscopy  
*Research Mentor:* Justin Baca, MD, PhD  
*Residency:* Emergency Medicine, UNM School of Medicine, NM  
*Hometown:* Albuquerque, NM

## **KIMBERLY CHAPMAN-NATEWA**

BS Biology, The University of New Mexico, 2018  
*Research:* Key Themes for Improving Medical School Curriculum  
Integrating Community Input for Indigenous Health  
*Research Mentor:* Charity Bishop, MD  
*Residency:* Family Medicine, UNM School of Medicine, NM  
*Hometown:* Zuni, NM

## **DONOVAN TALAWEPI CHASE THE BEAR**

BA, The University of New Mexico, 2019  
*Research:* Content Development of an Indigenous Health  
Curriculum for UNM School of Medicine  
*Research Mentor:* Charity Bishop, MD  
*Residency:* Psychiatry-Family Med, UC Davis Med Center, CA  
*Hometown:* Gallup, NM

## **MIA J. COLEMAN**

BS, BA, The University of New Mexico, 2017  
*Research:* Individuals with Metabolic Syndrome Show Altered  
Fecal Lipidomic Profiles with No Signs of Intestinal Inflammation  
or Increased Intestinal Permeability  
*Research Mentor:* Eliseo Castillo, PhD  
*Residency:* Psychiatry/Child, UNM School of Medicine, NM  
*Hometown:* Albuquerque, NM

# MEDICAL DOCTORATE CANDIDATES

## **ANA D'AGROSA**

BS, Seattle University, 2015

*Research:* Visibility of statements of support for gender affirming care amongst the medical professional societies in the US.

*Research Mentor:* Eileen Barrett, MD

*Residency:* Emergency Medicine, UC Davis Med Center, CA

*Hometown:* St. Louis, MO

## **ROBBIE DEBURLO**

BA, Colorado College, 2014

*Residency:* Psychiatry, UNM School of Medicine, NM

*Hometown:* Taos, NM

## **ALICIA MARIE DELEON-DOWD**

MS, Regis University, 2018

*Research:* Adaptive Sports and Recreation Access in New Mexico:  
A Needs Assessment

*Research Mentor:* Rebecca Dutton, MD

*Residency:* Physical Medicine & Rehab., UNM School of Medicine, NM

*Hometown:* Santa Fe, NM

## **QI "PHOEBE" DONG**

*Residency:* Diagnostic Radiology, University of Virginia, VA

*Hometown:* Nanjing, China

## **MORGAN EDWARDS-FLIGNER**

BA, Lawrence University, 2017

*Research:* Multidrug resistant gram negative bacteria surveillance during the COVID-19 Pandemic

*Research Mentor:* Erin Phipps, MPH, DVM

*Residency:* Internal Medicine-Primary, University of Colorado SOM-Denver, CO

*Hometown:* Albuquerque, NM

## **LUIS MIGUEL ESPINO**

BS, University of Miami, 2017; MS, Tulane University, 2018

*Research Mentor:* Eliseo Castillo, PhD

*Residency:* Internal Medicine, Baylor College Medicine-Houston, TX

*Hometown:* Miami, FL



# MEDICAL DOCTORATE CANDIDATES

## **GRETTA EVANS\***

BS, Chemical Engineering, The University of New Mexico, 2016

*Research:* Furthering Faculty Development in Surgery: A Pilot Survey Assessing Trainees' Expectations and Faculty's Perceptions

*Research Mentor:* Ming-Li Wang, MD

*Residency:* General Surgery, University of Arizona COM-Tucson, AZ

*Hometown:* Albuquerque, NM

## **RIVER SHANE FINE**

BS, Eastern New Mexico University, 2018

*Research:* Return to Sport after Multi-Ligament Knee Injury in Young Athletes

*Research Mentor:* Dustin Richter, MD

*Residency:* Orthopaedic Surgery, Vanderbilt University Medical Center, TN

*Hometown:* Portales, NM

## **ASHLEY ANNE FITZGERALD**

BS, The University of New Mexico, 2019

*Research:* My patient will have a thoracoscopic lobectomy. Parents refuse epidural. Which is the best regional block for pain control?

*Research Mentor:* Codruta Soneru, MD

*Residency:* Anesthesiology, University of Oklahoma COM-OK City, OK

*Hometown:* Albuquerque, NM

## **KATHRYNE AUGUSTA FOOS**

BA, The University of New Mexico, 2019

*Research:* Assessing Food Insecurity when Caring for Children with BMI $\geq$ 85th Percentile

*Research Mentor:* Janet Page-Reeves, PhD

*Residency:* Pediatrics, University of Tennessee Health Sci Ctr-Memphis, TN

*Hometown:* Albuquerque, NM

## **EVAN FUCHS**

BA Philosophy and Biology, The University of New Mexico, 2019

*Research:* Serratia odorifera Bacteremia

*Research Mentor:* Abu Baker Sheikh, MD

*Residency:* Family Medicine, Naval Hospital Camp Pendleton, CA

*Hometown:* Las Cruces, NM

## **JOAQUIN REYES GARCIA**

*Residency:* Psychiatry, UNM School of Medicine, NM

*Hometown:* Santa Fe, NM

# MEDICAL DOCTORATE CANDIDATES

## MICHAELA L. GRANADOS

BS, BA, The University of New Mexico, 2009

*Research:* Rac1 promotion of oxidative stress signaling regulates epithelial to mesenchymal transition in ovarian cancer and is reversed by R-ketorolac

*Research Mentor:* Laurie Hudson, PhD

*Residency:* Internal Medicine, UNM School of Medicine, NM

*Hometown:* Albuquerque, NM

## XIAOSHAN GUO

BS, The University of New Mexico

*Hometown:* Albuquerque, NM

## EVAN HARRIS

BS, Genetics and Biotechnology, NMSU, 2016

*Residency:* Urology, UNM School of Medicine, NM

*Hometown:* Las Cruces, NM

## EMMA HART

*Research:* Comparison of laparoscopic gastrotomy and percutaneous endoscopic gastrotomy in children less than six years old.

*Research Mentor:* Lena Perger, MD

*Residency:* Surgery, UNM School of Medicine, NM

*Hometown:* Los Lunas, NM

## RACHEL HASSLER

BS, The University of New Mexico, 2017

*Research:* Risk Factors for Bile Leak After Operative AAST Grade III-V Liver Injuries

*Research Mentor:* Richard Miskimins, MD

*Residency:* General Surgery, Texas Tech U-El Paso, TX

*Hometown:* Albuquerque, NM

## MORGAN HAYNES

BS, Arizona State University, 2017

*Research:* Melanoma Risk Associated with BRCA1/BRCA2 Mutations: A Meta-analysis

*Research Mentor:* John Durkin, MD

*Residency:* Internal Medicine, Kaiser Permanente-Oakland, CA

*Hometown:* Albuquerque, NM

# MEDICAL DOCTORATE CANDIDATES

## **ADRIANA MARIE HERRERA**

BS, Baylor University, 2019

*Research:* A Survey to Determine Physician Assistant and Medical Student Attitudes Towards Vaccines

*Research Mentor:* Melissa Martinez, MD

*Residency:* Pediatrics/Health Equity, University of Washington Affil Hosps, WA

*Hometown:* Albuquerque, NM

## **KRISTA HOUMPHENG**

BS, The University of New Mexico, 2016

*Research:* Teaching Caregivers to Identify Respiratory Distress Using Different Modes of Education

*Research Mentor:* Lynne Fullerton, PhD

*Residency:* Anesthesiology, UNM School of Medicine, NM

*Hometown:* Albuquerque, NM

## **HANNAH HOWSE**

BA, The University of New Mexico, 2019

*Research:* The Influence of Institutional Trust on the Academic Decisions of Medical Students

*Research Mentor:* Patrick Rendón, MD

*Residency:* Emergency Medicine, University Hosps-Columbia, MO

*Hometown:* Portales, NM

## **CONNIE HU**

BA Biology & Chemistry, The University of New Mexico, 2019

*Research:* Evaluating Social Accountability within Various Communities in New Mexico

*Research Mentor:* Amy Clithero-Eridon, PhD

*Residency:* Pediatrics, UC San Diego Medical Center, CA

*Hometown:* Las Cruces, NM

## **ARIEL MAY-LING HURWITZ**

BA, Scripps College, 2018

*Residency:* Internal Medicine, University of Texas at Austin Dell Medical School, TX

*Hometown:* Albuquerque, NM

# MEDICAL DOCTORATE CANDIDATES

## **FAHAD HUSSAIN**

BS, The University of New Mexico, 2019

*Research:* Continuation of Midodrine Upon ICU Discharge

*Research Mentor:* Deepti Rao, MD

*Residency:* Internal Medicine, Zucker SOM-Northwell NS/LIJ, NY

*Hometown:* Albuquerque, NM

## **IMRAN AL-KARIM KASSAM**

Bachelors of Science, Chemical Engineering, Yale University, 2019

*Research:* Let's go fishing! A case of Salmonella empyema in the setting of recurrent biliary obstruction

*Research Mentor:* Leonard Noronha, MD

*Residency:* Internal Medicine, University of Colorado SOM-Denver, CO

*Hometown:* Albuquerque, NM

## **ADAM R. KEASTER**

MPH, University of Minnesota, 2008

*Research:* We need to go to operating room stat, patient with massive peritonsillar abscess is short of breath in the Emergency Room

*Research Mentor:* Codruta Soneru, MD

*Residency:* Anesthesiology, UNM School of Medicine, NM

*Hometown:* Helena, MT

## **TK KING**

BA, Psychology, BS, Evolutionary Anthropology,

The University of New Mexico, 2019

*Research Mentor:* Cindy Blair, MD

*Residency:* General Surgery, University of Colorado SOM-Denver, CO

*Hometown:* Las Cruces, NM

## **CHRISTINA KURNIK**

MPH, University of Nevada Reno, 2014; BS, University of Nevada Reno, 2012

*Research:* Effect of Positive Motivation on Resident In-Training Exam Performance

*Research Mentor:* Gehron Treme, MD

*Residency:* Emergency Medicine, UC Davis Medical Center, CA

*Hometown:* Carson City, NV

# MEDICAL DOCTORATE CANDIDATES

## **SAGELINE LABAZE**

BS, The University of New Mexico, 2015

*Research:* Association of a lung screening program coordinator adherence to annual CT lung screening at a large academic institution.

*Research Mentor:* Lucy Spalluto, MD

*Residency:* Preventive Medicine, UNM School of Medicine, NM

*Hometown:* Plantation, FL

## **HERNAN LEBENSOHN**

BA Biology, The University of New Mexico, 2019

*Research:* A Technique Guide on Radiographic Imaging of the Shoulder, Hip, and Knee Joints

*Research Mentor:* Dustin Richter, MD

*Residency:* Orthopaedic Surgery, UNM School of Medicine, NM

*Hometown:* Rosario, Argentina

## **JENNIFER LEDEZMA DOMINGUEZ**

BSRS, The University of New Mexico, 2017

*Research:* Hepatobiliary Scintigraphy in the Diagnosis of Hepatobiliary Disease

*Research Mentor:* William Thompson, MD

*Residency:* General Surgery, UNM School of Medicine, NM

*Hometown:* Rio Rancho, NM

## **TESS PEI LEMON**

BA, Wesleyan University, 2014

*Research:* Do Premedication Agents Help to Prevent Infusion Reactions in Pediatric Patients with Inflammatory Bowel Disease Receiving Infliximab? A Systematic Review Exploring Outcomes.

*Research Mentor:* Razan Alkhouri, MD

*Residency:* Pediatrics, University of Texas HSC-San Antonio, TX

*Hometown:* Albuquerque, NM

## **MATTHEW DAVID LUCERO**

BS, BA, The University of New Mexico, 2019

*Research:* LGBTQIA+ Inclusive Sexual History Taking and Medical Documentation

*Research Mentor:* Cameron Crandall, MD

*Residency:* Family Medicine, UNM School of Medicine, NM

*Hometown:* Socorro, NM

# MEDICAL DOCTORATE CANDIDATES

## **NICHOLE MCGUIRE\***

BA, The University of New Mexico, 2017

*Research:* Cost of Medical Malpractice Insurance and its Effects  
on Physician Practice

*Research Mentor:* Karen Armitage, MD, FAAP

*Residency:* Psychiatry, UNM School of Medicine, NM

*Hometown:* Garfield, NM

## **LAUREN MERCER**

BS, New Mexico State University

*Research Mentor:* Anthony Vigil, MD

*Residency:* General Surgery, UNM School of Medicine, NM

*Hometown:* Las Cruces, NM

## **JESSICA NELSON**

BS, Human Biology, University of Southern California, 2017

*Residency:* Orthopaedic Surgery, University of Arizona COM-Tucson, AZ

*Hometown:* Albuquerque, NM

## **RAYLEE OTERO-BELL**

MS, Creighton University, 2019; BA, The University of New Mexico, 2013

*Research:* Declaration of Death by Neurological Criteria

*Research Mentor:* Diana Greene-Chandos, MD, FNCS

*Residency:* Neurology, University of Colorado SOM-Denver, CO

*Hometown:* Santa Fe, NM

## **BRANDON PAINTER**

BS, Biochemistry, The University of New Mexico, 2017

*Research:* Change in Posterior Tibial Slope and Patellar Height  
During Medial Opening Wedge High Tibial Osteotomy

*Research Mentor:* Dustin Richter, MD

*Residency:* Emergency Medicine, Arrowhead Regional Medical Center, CA

*Hometown:* Edgewood, NM

## **SAMANTHA PALTROW-KRULWICH**

MPH, Harvard T. H. Chan School of Public Health, 2022

*Research:* Women who Inject Drugs and Engage in Sex work:  
Engaging in PrEP/PEP

*Research Mentor:* Miriam Harris, MD, MSc

*Residency:* Internal Medicine-Primary, Boston University Medical Center, MA

*Hometown:* New York City, NY

# MEDICAL DOCTORATE CANDIDATES

## ANDREW PIERCE

BS, The University of New Mexico, 2015  
*Residency:* Internal Medicine, University of Utah Health, UT  
*Hometown:* Carlsbad, NM

## JOHN POWELL

Organismal Biology, Montana State University, 2016  
*Research Mentor:* Bryce Chackerian, PhD  
*Residency:* Pediatrics, UNM School of Medicine, NM  
*Hometown:* Albuquerque, NM

## ALYSE RABOFF

BA, Wesleyan University, 2016; MPH, Harvard University, 2022  
*Residency:* Urology, UNM School of Medicine, NM  
*Hometown:* Santa Fe, NM

## LARIMAR RODRIGUEZ

BS, The University of New Mexico, 2019  
*Research:* A Study of a Culturally and Contextually Situated Multimedia Approach to Recruit a Hard-to-Reach Spanish-Speaking Population for a Randomized Control Trial (RCT)  
*Research Mentor:* Janet Page-Reeves, PhD  
*Residency:* Dermatology, UNM School of Medicine, NM  
*Hometown:* Rio Rancho, NM

## KORAZON ROMERO

BA, Biology, The University of New Mexico, 2019  
*Research:* Designing Robust Strategies To Increase Vaccination Rates  
*Research Mentor:* Robert Valdez, PhD, MHSA  
*Residency:* Family Medicine, UNM School of Medicine, NM  
*Hometown:* Mora, NM

## RACHEL RUCKMAN

BS, The University of New Mexico, 2018  
*Residency:* Psychiatry, University of Arizona COM-Tucson, AZ  
*Hometown:* Albuquerque, NM

## SAVANNAH SALAZAR

*Research Mentor:* Arup Das, MD, PhD  
*Residency:* Psychiatry, University of Washington Affil Hosps, WA  
*Hometown:* Santa Fe, NM

# MEDICAL DOCTORATE CANDIDATES

## **RYOTA SHIMADA~**

BS, Biomedical Engineering, University of California, San Diego, CA, 2012

*Research:* DNA Tiling Array for Detection, Whole Genome Sequencing, Variant Identification, and Phylogenetic Analysis of SARS-CoV-2

*Research Mentor:* Jeremy Edwards, PhD

*Residency:* Internal Medicine, Legacy Salmon Creek Med Center, WA

*Hometown:* Los Alamos, NM

## **FLOYD SILVA**

BS, Biochemistry, BA, Spanish, The University of New Mexico, 2017

*Research:* Community health clinics should not be overlooked as a site to address dermatologic disparities.

*Research Mentor:* John Durkin, MD, MBA

*Residency:* Neurology, NYU Grossman School Of Medicine, NY

*Hometown:* Albuquerque, NM

## **KYREE SKY**

BA, The University of New Mexico, 2017

*Research:* Central Diabetes Insipidus combined with Cerebral Salt Wasting Syndrome in the setting of Acute Myeloid Leukemia in a Pediatric Patient

*Research Mentor:* Senan Hadid, MD

*Residency:* Pediatrics, UNM School of Medicine, NM

*Hometown:* Gallup, NM

## **ALI SMITH-FASSLER**

BS, The University of New Mexico, 2014

*Research:* Exhaled Breath Analysis for COVID-19 Detection Using Runtime Cavity Ringdown (rtCRD) Spectroscopy- A Feasibility Study

*Research Mentor:* Justin Baca, MD, PhD

*Residency:* Physical Medicine & Rehab., Tower Health/Reading Hospital, PA

*Hometown:* Albuquerque, NM

## **BENJAMIN QUINN SPANGLER**

BS, University of Miami, 2018

*Research:* The Survival Benefit of Postoperative Bacterial Infections in Patients with Glioblastoma Multiforme: Myth or Reality?

*Research Mentor:* Christian Bowers, MD

*Residency:* Diagnostic Radiology, UNM School of Medicine, NM

*Hometown:* Rio Rancho, NM



# MEDICAL DOCTORATE CANDIDATES

## KALEB STEVENS

BA, The University of New Mexico, 2019

*Research:* CBPR Partnerships: An Equity Strategy to Enhance Control of COVID-19 Outbreaks in Homeless Shelters

*Research Mentor:* Laura Parajon, MD

*Residency:* Anesthesiology, Texas Tech University-Lubbock, TX

*Hometown:* Carlsbad, NM

## ARIANA THOMPSON

BS, The University of New Mexico, 2017

*Research:* SARS-COV 2 Infection and the Role of Social Determinants of Health in New Mexico

*Research Mentor:* Krystal Chan, MD

*Residency:* Internal Medicine, Creighton University, AZ

*Hometown:* Tulsa, OK

## LUIS AARON TRILLO

BS, The University of New Mexico, 2018

*Research:* A study of economic challenges faced by Hispanic older adults in rural New Mexico and the survival strategies they develop.

*Research Mentor:* Janet Page-Reeves, PhD

*Residency:* Family Medicine, North Colorado Med Center, CO

*Hometown:* Moriarty, NM

## ALEXIS NICOLE TRUJILLO

BS Biology, The University of New Mexico, 2017

*Research:* Generalized Anxiety Disorder in Pediatric Patients with Inflammatory Bowel Disease

*Research Mentor:* Razan Alkhouri, MD

*Residency:* Neurology, UNM School of Medicine, NM

*Hometown:* Española, NM

## TASKA VAN SWOL

BS, The University of New Mexico, 2016

*Research:* Effectiveness of telemedicine as measured by subsequent ED visits

*Research Mentor:* Amy Clithero-Eridon, PhD

*Residency:* Obstetrics & Gynecology, Riverside Community Hospital, CA

*Hometown:* Tijeras, NM

# MEDICAL DOCTORATE CANDIDATES

## **SAMANTHA VARELA**

BS Genetics & Biotechnology, New Mexico State University, 2017;

BS Biology, New Mexico State University, 2017

*Research:* Clinically predictive baseline labs for post-operative outcomes of brain tumors using NSQIP database

*Research Mentor:* Christian Bowers, MD

*Residency:* Neurological Surgery, UNM School of Medicine, NM

*Hometown:* Radium Springs, NM

## **JOSHUA ANDRADE VASQUEZ**

Health Medicine and Human Values, The University of New Mexico, 2019

*Research:* Perceptions on the Use of Medications for Weight Management from Teens, Parents, and Pediatricians in the Southwest

*Research Mentor:* Monique Vallabhan, DNP, FNP-BC, MSN

*Residency:* Pediatrics, Oregon Health & Science University, OR

*Hometown:* Las Cruces, NM

## **DEVAN VIDRINE**

BA, Tulane University, 2013; MA, St. John's College, Santa Fe, 2015

*Research:* Aging-Specific Survival and Molecular Signatures of Glioblastoma: Analysis of Clinical and Large-Scale Transcriptomic Data from The Cancer Genome Atlas (TCGA)

*Research Mentor:* Christian Bowers, MD

*Residency:* Diagnostic Radiology, UCLA Medical Center, CA

*Hometown:* Lafayette, LA

## **SHANA VORENBERG**

BS, The University of New Mexico, 2017

*Research:* Mohs patients in rural underserved areas are more likely to require four or more stages, a single institution review

*Research Mentor:* John Durkin, MD, MBA

*Residency:* Obstetrics & Gynecology, UNM School of Medicine, NM

*Hometown:* Santa Fe, NM

## **LUCIA VULCAN**

BA, The University of New Mexico, 2018

*Research:* Primary & Surgical Considerations for LGBTQ Patients: A Two-Part Module for Third-Year Medical Student OB/GYN Clerkships

*Research Mentor:* Cameron Crandall, MD

*Residency:* Family Medicine, Harbor-UCLA Medical Center, CA

*Hometown:* Las Cruces, NM

# MEDICAL DOCTORATE CANDIDATES

## CHRISTOPHER J. WELCH

BS, Biology, University of Colorado at Colorado Springs, 2016

*Research:* Frailty as a Predictor of Post-Surgical Outcomes in Patients with Cutaneous Malignancies of the Scalp Requiring Flap Reconstruction

*Research Mentor:* Nathan Boyd, MD

*Residency:* Otolaryngology, UNM School of Medicine, NM

*Hometown:* Albuquerque, NM

## CARRIE ANNE ZOGRAFOS

MS Nursing, Boston College, 2006.BA, University of Oregon, 2003

*Research:* Community-Based Participatory Research: Mitigating the spread of Covid-19 among people experiencing homelessness while residing in congregate settings

*Research Mentor:* Laura Parajon, MD, MPH

*Residency:* Internal Medicine, University of Washington Affil Hosps, WA

*Hometown:* Portland, OR

\*C/O 23, Fall 2022 Graduate | ~Combined BA/MD Degree Program

Students listed in this program granted permission for information to be published.

Only those students who have granted permission are listed.

Thank you and congratulations,  
Class of 2023!

# THANK YOU!

To the faculty, staff, and student volunteers  
who helped make today's ceremony possible.



We advance the health of all New Mexicans.