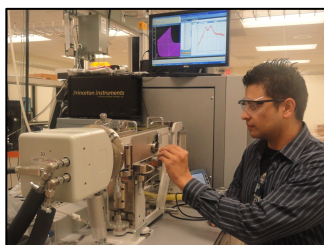


**Jose “Leo” Bañuelos, Ph.D.**, Professor of Physics **University of Texas at El Paso (UTEP) (Texas).**

New Mexico Alliance for Minority Participation, New Mexico State University.

**Dr. Bañuelos** did his post doctoral work at the Geochemistry and Interfacial Sciences Group in the Chemical Sciences Division of Oak Ridge National

More Current Accomplishments: Former Bridge to the Doctorate Cohort II participant; Post-



doctoral work at Oak Ridge Laboratory; Larmor Instrument Specialist at Rutherford Appleton Laboratory in the United Kingdom

where he was employed for several years before returning to the U.S. to work as Professor of Physics at UTEP, thus, fulfilling his real passion to teach. Authored over 20 publications. Past accomplishments: SACNAS 2012 National Conference Travel Scholarship; NM Space Grant Consortium Graduate Research Fellowship; 2009-10. American Physical Society Four Corners Section 2008 Meeting Travel Award; SACNAS 2008 National Conference Travel Scholarship Recipient, Dallas, TX.; MBRS RISE Graduate Scholar (NIH); Graduate Research in Neutron Scattering (GRINS) Scholar; Los Alamos NM; 2016 Linton-Poodry Summer Leadership Institute, SACNAS.

**Jessica Perea Houston, Ph.D.**, Assistant Professor of Chemical Engineering **New Mexico State University (NMSU) (New Mexico).**

New Mexico Alliance for Minority Participation, New Mexico State University.

**Dr. Houston** was for the National Science Foundation (NSF) CAREER Award.

Accomplishments: Dr. Houston was a part of the Texas A&M University System Louis Stokes Alliance for Minority Participation (TAMUS

LSAMP) Bridge to the Doctorate program in which she received the Ph.D. Dr. Houston



accomplished the following: She was selected for the Director’s Post-doctoral Fellow at Los Alamos National

Laboratory; she received the Faculty Fulbright Fellowship to travel to Tokyo, Japan; she was recognized by the NMSU University Research Council for the Early Career Award; she was selected as the International Society for Advancement of Cytometry Scholar; she has authored 24 publications; she was recognized as the Outstanding Junior Faculty Award by Hispanic Faculty/Staff Caucus; she received the Sony New Faculty Scholarship award.

**Daniel Archuleta, J.D.**, Attorney-at-Law, Partner, Troutman Sanders, LLP, Washington, D.C. Earned law degree at George Washington University and the B.S. in Civil Engineering at New Mexico State University.

New Mexico Alliance for Minority Participation, New Mexico State University.

**Daniel Archuleta** joined the Leadership Council on Legal Diversity as a Fellow in 2019.

Mr. Archuleta represents clients in the energy



industry with a particular focus on regulation/ competition issues. He represents natural gas pipelines, local distribution companies, electric utilities, energy

traders, and transmission companies before the Federal Energy Regulatory Commission and state public utility commissions, including in administrative proceedings. He does Pro Bono work with Kids in Need of Defense , the Tahirih Justice Center (human rights) and Gifts for the Homeless organization.

**John. D. Auxier, II, Ph.D.**, MRSC, New Mexico.  
Actinide Analytical Chemist, Los Alamos

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University;  
attended Northern New Mexico College.

Authored over 28 publications and has five patents under review or patent-pending. Awarded the 2019 LANL Chemistry Division Award, the Research Excellence Award for UTK Nuclear Engineering Department in 2016 and 2018.

Dr. Auxier earned the Ph.D. in Inorganic and Nuclear Chemistry, University of Tennessee, Knoxville; the B.S. in Chemistry, Adams State College, and the Associates of Applied Science, Northern New Mexico College when it was a 2-year



institution. Dr. Auxier is the Team Leader in Actinide Analytical Chemistry at Los Alamos National Laboratory (LANL) and is currently Joint Professor in the Mechanical, Aerospace, and Biomolecular Department at UTK. Other Accomplishments: served as Research Assistant Professor with the Institute for Nuclear Security (INS) at UTK; directed the Graduate

**Zachary Hendren**, Research Environmental Engineer, RTI International, Research Triangle Park, North Carolina.

Radiochemistry Certificate UTK, Joint Appointment at the Y-12 National Security Complex; Guest Scientist at LANL; Guest Scientist at Oak Ridge.

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University.

Awarded the Bureau of Reclamation More Water, Less Concentrate award in 2018 and the RTI Innovation Award for Business Impact in 2011.

Earned the Ph.D. from Duke University, and the M.S. and B.S. from New Mexico State University. Accomplishments: Holds a Provisional Patent with Young Chui Choi, and



Gyu Don Kim, entitled "Electrically Conductive Membrane Assembly and Related Systems and Methods"; awarded funding for four grants from the Department of Energy and the Department of Defense, the WaterReuse Foundation, National Science Foundation, the Office Naval Research, and the U.S. Environmental Protection Agency, spanning a wide spectrum of technologies and end-user population sizes and contaminants of concern, and have resulted in numerous publications and presentations, and technical reports for users.

**Danielle Miranda, Ph.D.**, Research Protocol Specialist, Mayo Clinic, Scottsdale, AZ.

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University.

Earned the B.S. in Microbiology from New Mexico State University and awarded the Ph.D. in Translational Science at Mayo Clinic, Scottsdale, AZ.

Accomplishments: Currently works in the Clinical Studies Unit at Mayo Clinic and is



involved in multiple clinical studies and also assists physicians with development of their clinical protocols. Former

accomplishments: participated in the NM AMP Undergraduate Research Assistant's (URA) program and the Summer Community College Opportunity for Research Experience (SCCORE);

interned at the Fred Hutchinson Cancer Research Center.

**Akinbayowa (Bayo Falase),** works as TD Process Engineer for Intel Corporation in Beaverton, Oregon.

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

Authored over four publications in his area of study, has been with Intel Corporation for over eight years, working internationally and nationally with the company.

Accomplishments: Dr. Falase participated in the NM AMP Bridge to the Cohort VI; earned the



Ph.D. in Chemical and Nuclear Engineering in 2011 and the B.S. in Chemical Engineering in 2005, both

degrees from University of New Mexico. He had a research emphasis in finding a pathway to completely oxidize ethylene glycol and glycerol, using a combination of inorganic and organic catalysts; worked with Intel in Leixlip, Ireland, where he served as a Seed engineer.

**Jose Solis, Ph.D.,** Water Resources Professional III at the Office of the State Engineering Hydrology Bureau in Santa Fe,

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

Dr. Solis earned the B.S. and M.S. from New Mexico State University and the Ph.D. from the University of Colorado at Boulder in Water Resources Engineering.

Accomplishments: Serves as Lead Technical Expert conducting hydrologic assessments to support water rights administration, interstate stream



compact compliance, subdivision review and other agency water management and planning functions. He works on hydrologic data collection and hydrologic models to quantify hydrologic impacts due to new stresses on the hydrologic system. In his graduate school experience, Jose worked as a Graduate Mentor for undergraduate students participating in the Summer Multiculture Access to Research Training (SMART). In undergraduate school, he participated in NM AMP SCCORE and URS programs. New Mexico Alliance for Minority Participation.

**Brandi Cron, Ph.D.** is a former Bridge to the Doctorate VI participant at the University of New Mexico (UNM), where she received her B.S. in Biology and the M.S. in Geological and Earth Sciences. She received the Ph.D. from the University of Minnesota-Twin Cities in Biogeology.

**Brandi Cron Kamermans,** Department of Geosciences Distinguished Postdoctoral Fellow Post-doctoral fellow at Penn State University, city of State College, Penn.

Accomplishments: three publications; received the Chief Manuelito Scholarship; received NSF Graduate Research Fellowship Program (GRFP) award from National Science Foundation participated in the Ronald E. McNair Post-baccalaureate Achievement Program; participated in the UNM NM AMP Undergraduate Research Scholars program; received the Academic Athlete Award for Cross Country and Track; received the Doctoral Dissertation Fellowship at the University of Minnesota; served as the American Indian



Science and Engineering Society (AISES) President at the University of Minnesota at which time she planned the Region V AISES Conference at the

University of Minnesota; she taught high school students at Little Earth Reservation during



graduate school.

**Ben Rael, Ph.D.**, Intel Corporation, Process Engineering, 2016-Present, Albuquerque, NM.

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University. Accomplishments: B.S. in Physics, University of New Mexico, 2009; Ph.D. in Mechanical Engineering, University of New Mexico, 2016. Authored publications; Fulbright Alternate, in

**Ben Rael**, University of New Mexico Outstanding Graduate Student Award in Mechanical Engineering; LSAMP Bridge to the Doctorate Fellowship.



which he performed discrete element modeling in Nantes, France in Exchange Program; Study Abroad Award Diversity Programs, School

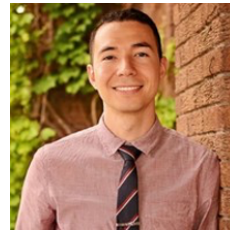
of Engineering, University of New Mexico; 2<sup>nd</sup> Place award for Best Graduate Student Paper in the 2011 American Society for Engineering Education (ASEE) Gulf-Southwest Conference, Houston, TX; NSF IGERT Fellow; served as mentor for undergraduate student research for the NSF Western Alliance to Expand Student Opportunities (WAESO).

**Anthony Torres, Ph.D.**, Associate Professor at Texas State University (9/19 to Present).

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

Anthony Torres, Associate Professor at Texas State University, San Marcos, TX.

Accomplishments: Dr. Torres received his B.S. degree in Civil Engineering from New Mexico State University and his M.S. and Ph.D. degrees in Civil Engineering from the University of New Mexico.



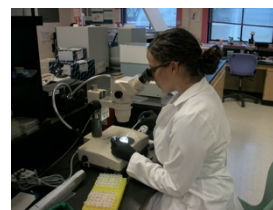
Other accomplishments: Materials Engineer at Applied Technology Associates (ATA) (2011-13); Space Scholar, Materials Engineer, Air Force Research Laboratory, 2011-2011 (4 months); Structural Engineering Intern, Chavez-Grievies Consultin Engineers, Inc. (May 2007-May 2008- one year internship); Engineering Intern for the NM Office of the State Engineer, 2007-2008- one year internship; authored 3 publications; developed 5 courses. Served as a Graduate Research Assistant and Instructor at the University of New Mexico for 4 years, 9 months..

**Victoria Carpenter** earned the Ph.D. in 2017 from Duke University in the Raleigh-Durham, North Carolina area.

New Mexico Alliance for Minority Participation (NM AMP), Lead Institution: New Mexico State University.

**Victoria Carpenter**, currently is working on the Doctor of Medicine (M.D.) degree, anticipating a graduation date of 2021 from the University of New Mexico School of Medicine.

Accomplishments: Was a Research Assistant at Duke University, where she studied in the



Cellular and Molecular biology program. Dr. Carpenter was formerly an Undergraduate Research Scholar (URS) and a Howard Hughes

Medical Institute Research Scholar, with a focus of study on the the yellow fever mosquito with her mentor, Dr. Immo Hansen, Professor of Biology at NMSU. From this study in undergraduate school, she wrote two published articles and presented research at two international scientific conferences. These experiences helped shape her career goals. Dr.



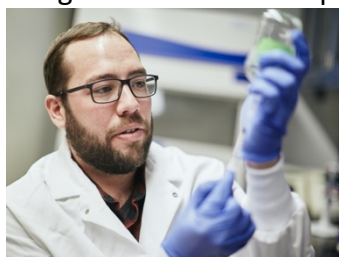
Carpenter received her B. S. degree from New Mexico State University in May, 2011. At NMSU, Dr. Carpenter served as Peer Instructor for the Natural History of Life Workshop for two years, providing her the opportunity to interact with students as a mentor.

**Daniel Colman, Ph.D.**, Assistant Research Professor in Microbiology and Immunology at Montana State University, Bozeman, Montana.

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

Dr. Colman has authored 32 publications (13 were First Author) in a range of journals (First Author papers in PNAS, Nature Communications and more than ten others).

Accomplishments: Formerly, in the LSAMP Bridge to the Doctorate program at University of New Mexico, from which he graduated in 2015; received B.S./B.A. in Biology/Chemistry from the University of New Mexico in



2009; has received a number of grants and fellowships during the Ph.D. and postdoctoral programs; is the recipient as PI or Co-I of over \$1.1 million in grants over the last four years of his Assistant Research Professorship; is currently Coordinator and Instructor for General Microbiology Laboratories and Instructor for Teaching Methods in Microbiology.

**Angelica Benavidez Sanchez, Ph.D.** is a Research Assistant Professor at University of New Mexico in Albuquerque, NM.

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

Dr. Benavidez Sanchez is a former NSF Graduate Research Fellow Program (GRFP) recipient and a former LSAMP Bridge to the Doctorate participant in Chemical Engineering/ Nanomaterials at the University of New Mexico.

Accomplishments: Dr. Benavidez Sanchez earned the B.S. in Chemical Engineering from the University of New Mexico in 2009. One highlight of her graduate studies was the opportunity to attend the Fifth San Luis Symposium on Surfaces, Interfaces, and Catalysis Conference in September, 2010 in San Palo, Brazil with Jon Paiz, Bridge to the Doctorate VIII participant also from the



University of New Mexico. The event was part of a series of symposia targeted to unite Latin American and U.S. scientists in the area of surface science.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

**Shakti Davis, Ph.D.**, Technical Staff, Massachusetts Institute of Technology (MIT) Lincoln Laboratory, Boston, Massachusetts

Shakti Davis was named Most Promising Engineer at the U.S. Black Engineer of the Year Award Conference. By her role model, Dr. Davis has helped increase the opportunities for women and minorities.



Accomplishments: Received the B.S. degree from New Mexico State University and the Ph.D. from University of Wisconsin in Electrical and Computer Engineering; received a U.S. patent for microwave-based examination of medical conditions

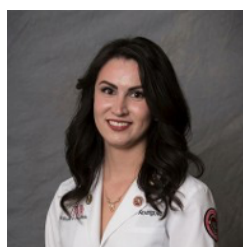
using hypothesis testing; was National Institutes of Health Postdoctoral Fellow, Graduate Engineering Research Scholar, AT&T Laboratories Fellow; and IBM Almaden Research Internship Award. In graduate studies, researched the use of microwave technology for breast cancer detection and analysis. After the Ph.D. authored, "Breast Tumor Characterization based on Ultra-Wideband Microwave Backscatter," which significantly impacted the detection and treatment of the disease. Her research interests at MIT include adaptive-array signal processing and its radar applications; has contributed to significant advances in the field of digital signal processing.

**Chelsea Rodriguez, Pharm D. M.B.A;** Pharmacy Resident, University of New Mexico Hospitals,, Albuquerque, NM.

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University

Dr. Rodriguez has worked for the UNM Hospitals for 3 years, receiving her Doctor of Pharmacy (Pharm D) from The University of New Mexico College of Pharmacy in 2019 and the MBA in 2019. From the University of New Mexico Anderson School of Management.

Accomplishments: Dr. Rodriguez received the



Bachelor's degree in Biology/Individualized Studies from New Mexico State University, graduating with High Honors. At New Mexico State University, she

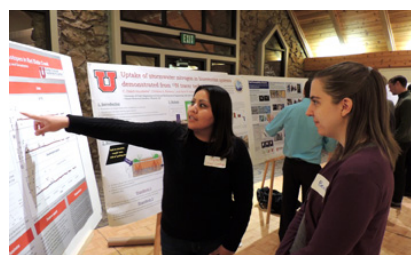
participated as a NM AMP Undergraduate Research Scholar (URS), working with mentor Dr. Giancarlo Lopez-Martinez, Assistant Professor in the Department of Biology. She has worked in the pharmacy business through her participation in internships since 2012, working as a Pharmacy Technician and Pharmacy Intern at Walgreens in Las Cruces and in Albuquerque and at the UNM Hospitals in Albuquerque. Dr. Rodriguez is a member of ASHP (Pharmacists Advancing Healthcare), which represents pharmacists, student pharmacists, and pharmacy technicians who serve as patient care providers in acute and ambulatory settings. At the University of New Mexico, Dr. Rodriguez participated in the ASHP Pharmacy Student Forum Career Development and Education Group, the UNM Pharmacy Curriculum Committee, the Rho Chi Pharmacy Honors Society, the Student Pharmacists Network, and the ASHP New Practitioner Forum Leadership Development Advisory Group. She has volunteered in the Big Brother, Big Sister, Inc. from August 2017 to the present.

**Crystal Tulley Cordova, Ph.D.,** Principal hydrologist for the Navajo Nation, Department of Water Resources-Water Management Branch, with a main goal to protect and manage water resources of the Navajo Nation.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.

Dr. Tulley-Cordova graduated with a Ph.D. in Geology in 2019 and received a Master's of Water Resources and a B.S. in Earth and Planetary Sciences from the University of New Mexico.

Accomplishments: Dr. Tulley-Cordova's



research focused on using historical records and isotope geochemistry

to better understand water resources of the Navajo Nation and their susceptibility to climate



and land use change. In her present job, she participates as a technical expert in water rights meetings with tribal, city, state, and federal government agencies. She serves as a Navajo Nation

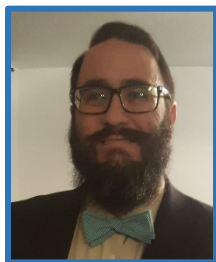
representative, a Coordination Committee member for the San Juan River Basic Recovery Implementation Program, and participates in watershed and ground water studies currently being conducted on the Navajo Nation. She was recognized as a U.S. EPA STAR Fellow and has interned at Los Alamos National Lab, Lawrence Livermore National Lab, National Energy Technology Lab, and Navajo Nation Water Management Branch. She was involved in AISES, NAISEF, Society for Native American Graduate Students, SACNAS, and the InterTribal Student Association. (Featured in the *Winds of Change Magazine* at

**Antonio Rivera, Ph.D.**, Yield Engineer,  
Process Development at Intel, Hillsboro  
Oregon

New Mexico Alliance for Minority Participation.  
Lead Institution: New Mexico  
State University.

President of the American Physics Society  
and former Senior Scientist at Oak Ridge  
National Laboratory, Oak Ridge TN. [MPS]

Accomplishments: First Generation, Ph.D.  
degree recipient in  
Nanoscience and  
Microsystems from the  
University of New Mexico.  
Ten (10) first author  
publications in journals and  
proceedings; one (1) patent  
earned for Thermal Neutron detection method;  
included in 42 publications as main or co-  
author. NSF MAINST NMCR Research Scholar  
(program focused on National  
Security and Nuclear Research); Minority  
Graduate Education at Mountain States  
Alliance (MGE@MSA) Research Scholar; NM  
AMP Bridge to the Doctorate Fellow;  
Integrating Nanotechnology with Cell Biology  
and Neuroscience/ Integrative Graduate and  
Education and Research Traineeship (ICBN  
IGERT).



**Lani Tsinnajinnie, Ph.D.**, Assistant  
Professor University of New Mexico  
Community and Regional Planning  
Department, specialization in Water  
Resources, Albuquerque, NM.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.

EPA STAR Graduate Research Fellowship in  
which she participated in a hydrogeologic study  
on the Chuska Mountains in the Navajo Nation.

Accomplishments: Earned Dual Bachelor's  
degrees from University of New Mexico: a B.S.  
degree in Environmental Science and a B.A.  
degree (with Honors) in Native American  
Studies; earned a Masters in Water Resources  
(MWR) from the University of New Mexico;

earned the Ph.D. in Earth and Environmental  
Sciences, with a focus on Hydrology from New



Mexico Institute of  
Mining and  
Technology; was an  
AMP URS participant.  
(Photo, left: Dr.  
Tsinnajinnie

participating in field work at a stream site in the  
Chuska Mountains, on the southeast Colorado  
Plateau within the Navajo Nation, between AZ  
and NM.

**Cherie DeVore**, Researcher at University of  
New Mexico Center for Native American  
Environmental Health Equity Research of New  
Mexico, Albuquerque, NM. She will earn the  
Ph.D. in Environmental Engineering, May, 2020

Cherie co-authored (29 Dec. 2019) "Mine  
Waste Effects on Water and Soil in Native  
American Land in Western USA," regarding the  
elevated metal concentrations in water and soil  
sites that have received limited or no remedial  
action. This represents a major burden for  
communities.

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University.

Works with Native American communities to  
better understand chemical and  
microbiological redox processes impacting  
metal stability and mobilization from mine  
waste solids to surface waters, soils, and  
plants. She states, "Approximately less than  
0.3% of STEM graduate degrees are earned by  
Native Americans; I am proud to be part of this  
cohort, and I am also motivated to do more to  
integrate perspectives in the larger scientific  
body of knowledge."





**Alexander Nereson, Ph.D.**, GIS Analyst and Instructor, Research Scientist, Geologist, Santa Cruz, CA.

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University.

Dr. Nereson was a Bridge to the Doctorate VIII participant at the University of New Mexico, and he was awarded the National Science Foundation Graduate Research Fellowship Program (NSF GRFP) fellowship in May 2011.

Accomplishments: Dr. Nereson received the Ph.D. from the University of California, Santa Cruz in Earth and Planetary Sciences in 2018. He earned the M.S. degree in Earth and



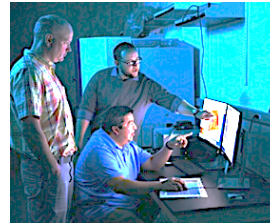
Planetary Sciences at University of New Mexico in 2012. He earned the B.A. in Geology in 2010 from Macalester College. He has authored five publications in his disciplinary area. Dr. Nereson has almost ten years of experience applying GIS, remote sensing, and field work to geological problems in academic and industry settings. In his more than three years of teaching, he has helped hundreds of students learn how to use GIS software and understand GIS better. Dr. Nereson is a member of the American Geophysical Union, and the Geological Society of America, and he volunteers in the areas of disaster and humanitarian relief. His primary interests lie in the areas of education, the environment, and science and technology. (Photo: Dr. Nereson conducting field research.)

**Matthew Rush, Ph.D.**, Post-doctoral Fellow, Northern Arizona University. Dr. Rush earned the Ph.D. from the University of New Mexico Nanoscience and Microsystems Engineering (NSMSE) .

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University.  
Accomplishments: B.S., New Mexico Institute of

Dr. Rush was a Bridge to the Doctorate Fellow at the University of New Mexico. Dr. Rush has authored 11 Publications and 3 more are prepared to submit.

Mining and Technology, Mechanical Engineering (2009), (graduated with Honors); M.S. in Nanoscience and Microsystems



Engineering, University of New Mexico (2014), graduated with distinction. Former Post-Doctoral Fellow at the University of New Mexico School of

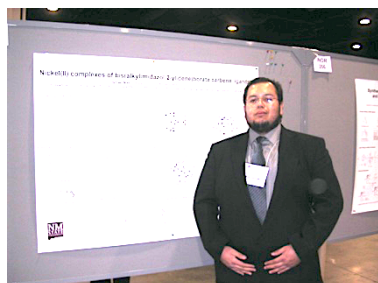
Medicine in Albuquerque, NM, with the goal of developing and characterizing tissue engineered scaffolds for bone-ligament interface using 3D-printing and near field electrospinning of bio-polymers Graduate Research Assistant, UNM; Graduate Research Assistant in Center of Integrated Nano Technologies at Los Alamos National Laboratory. Received the Brian Colon Exemplary Service Award, UNM; was Graduate Student Commencement Speaker, UNM College of Engineering; awarded Distinguished Leader of the Year Award.

**Ismael Nieto, Ph.D.**, Research and Development Scientist at W.R. Grace & Company, Louisiana, Zachary, Louisiana from 2018 to Present. Before this position, he worked in Baton Rouge, Louisiana from 2014-2018 as a Research and Technology Chemist III, at Albemarle, a leading global producer of Lithium, Bromine and Catalyst solutions.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Dr. Nieto served as a Post-Doctoral Research Fellow at the University at Pennsylvania from 2012-2014 and a Post Doctoral Researcher at Drexel University from 2009-2012.

Accomplishments: Dr. Nieto earned the B.S. in Chemistry from the University of Texas at



El Paso in 2002 and earned the Ph.D. in Chemistry from New Mexico State University in 2009. He was a participant in

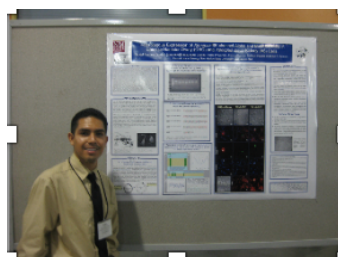
the Bridge to the Doctorate II program, and he was the recipient of an Alfred P. Sloan Neurobiology in 2014, the M.S. in Fellowship and a National Institutes of Health (NIH) Minority Biomedical Research Support (MBRS) Initiative for Scientific Enhancement (RISE) Fellowship, which allowed him to continue his studies at New Mexico State University. His publications include 8 articles/papers in his disciplinary area in various journals.

**Daniel Ramirez, Ph.D.**, Postdoctoral Fellow at the University of Colorado Anschutz Medical Campus.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Dr. Ramirez participated as a NM AMP Bridge to the Doctorate V Fellow and NSF Integrative Graduate Education and Research Traineeship (IGERT) Fellow with NMSU Computer Science Department and Biology Department.

Accomplishments: Dr. Ramirez began undergraduate studies in the College Assistance Migrant Program (NMSU CAMP),



which provides freshman year support and assistance to students whose families travel throughout the

region as seasonal agricultural workers. He received from New Mexico State University



the Ph.D in Biology Biology/ Neurobiology in 2009, and the B.S. in Biology

(graduated with Honors) in 2007. Dr. Ramirez participated from May 2012-July 2012. Dr. Ramirez has served as Adjunct Professor at the Community College of Aurora from 2015-Present. (Photos, top: presentation at the Annual Biomedical Research Conference for Minority Students, Orlando, Florida; bottom photo: training at the Fifth International Meeting of the Latin American Society for Developmental Biology in Santiago, Chile.)

**Martha Martinez Grimes, Ph.D.**, Research Assistant Professor, Department of Chemistry and Microbiology, University of New Mexico, Albuquerque, NM.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University

Martha Martinez Grimes was in the ASERT Program (the Academic Science Education and Research Training program) for postdoctoral fellows, which provides three years of support to fellows wishing to achieve excellence as both educators and research scientists in biology, bioengineering, and biomedical sciences.

Accomplishments: Dr. Martinez Grimes earned from New Mexico State University, the Ph.D.



and the M.S. in Molecular Biology, and the B.S. in General Microbiology. Dr. Grimes was an NSF Bridge to the Doctorate VI participant. While earning her graduate degrees, Dr. Grimes

participated in the Molecular Biology Graduate Student Organization, the Text and Academic Authors Association, the American Society of Plant Biologists, the Minorities in Agriculture, Natural Resources, and Related Sciences, and SACNAS. While earning the undergraduate B.S., she was active in the Pre-Health Professionals Club, and in Minority in Agriculture, National Resources, and Related Sciences.

**Belin Tsinnajionnie, Ph.D.**, Associate Professor and Co-Chair of Mathematics, Santa Fe Community College, Santa Fe, NM

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico University.

Belin Tsinnajionnie served as Assistant Professor at the Institute of American Indian Arts for 8 years.

Accomplishments: Received the B.S. degree in Distributed Mathematics in 2004 from the



University of New Mexico, where he participated in NM AMP; he received the M.S. in Mathematics from the University of Arizona in 2006, and the Ph.D. in Mathematics from the

University of Arizona in 2018. He served as a Graduate Research Assistant at the University of Arizona for two years.

**Theodore Mansfield, Ph.D.**, Resource Systems Group, Inc (RSG, Inc.), Washington, D.C. Current position: Consultant; Prior position at RSG, Senior Analyst.

New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University.

Theodore Mansfield served as Data Fellow at the Office of the Secretary, U.S. Department of Transportation, Washington, D.C.

Accomplishments: Dr. Mansfield earned the Ph.D. in Environmental Science and Engineering



in 2016 at the University of North Carolina at Chapel Hill. He earned the M.S. in City and Regional Planning and a second M.S. in Environmental

Sciences and Engineering at the University of North Carolina at Chapel Hill in 2012. He earned the B.S. in Civil Engineering (Math Minor) in 2008. He published four articles in journals (one in press), and has made numerous conference presentations. He was awarded the Doctoral Completion Fellowship, graduated Summa Cum Laude from the NMSU College of Engineering, authored an article selected for media outreach by the Society for Risk Analysis, with research findings summarized in newspapers, including the Boston Globe and Wall Street Journal; awarded scholarship for a summer course at MIT. (Photo: volunteer work in Peru with NMSU Aggies Without Limits).



**Alicia Arguelles Gardner, Pharm D, ED**  
Pharmacist, Presbyterian Healthcare  
Services, Rio Rancho, New Mexico.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.

Alicia Arguelles received the Doctor of  
Pharmacy (Pharm D.) in 2013 from the  
University of New Mexico Pharmacy  
School; she was a Bridge to the Doctorate  
V student at New Mexico State University  
for the Master's program in Biology, and

Accomplishments: Dr. Arguelles Gardner is  
currently employed with Presbyterian



Healthcare Services  
After she earned the  
PharmD, Dr. Arguelles  
-Gardner worked as a  
Pharmacy Intern at  
Cardinal Health and at  
Lovelace Westside  
Hospital as a

Pharmacy Intern and a Pharmacist. After this,  
she worked for Lovelace Health System as a  
Pharmacist, then at Walmart as a Pharmacist.

**Jaminelli Banks, Doctor of Podiatry**  
Medicine, Research Fellow at Phoenix VA  
Healthcare System, Phoenix AZ.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.

Jaminelli Banks, earned the B.S. in  
Biology, with a Chemistry Minor in 2004,  
graduating Summa Cum Laude from the  
University of New Mexico, Albuquerque,  
NM. She was awarded the Doctor of  
Podiatry Medicine from Temple University  
School of Podiatric Medicine, in Philadelphia,  
PA in 2011.

Accomplishments: After her education at  
University of New Mexico, Dr. Banks



participated in an internship  
at the National Institutes of  
Health (NIH) for two years  
prior to her entrance into  
Temple University School of  
Podiatric Medicine,  
Philadelphia, Pennsylvania.  
At Temple University School

of Podiatric Medicine, Dr. Banks' research was  
published in such journals as *Molecular*  
*Pharmacology* and the *National Ronald E.*  
*McNair Journal*. Her focus on Podiatric  
Medicine became her chosen career path. As  
an undergraduate at the University of New  
Mexico, Dr. Banks was in NM AMP research  
programs, and she attended the NM AMP  
Conference and won First Place for her Oral  
Presentation. In all, she presented 30 times at  
various national conferences on her research,  
which gave her the confidence, determination,  
and passion to enter her chosen career.  
According to Dr. Banks: "NM AMP gave me a  
good introduction to research and offered the  
support I needed.. Instead of getting a job that  
would go nowhere, I was supported for doing  
research in the lab. I believe that is what  
opened a lot of doors for me."

**Mark Seger, Ph.D.,** School of Sustainable  
Engineering and the Built Environment,  
Post Doc Associate, Arizona State  
University.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.

Dr. Seger participated in Alliance for  
Graduate Education (AGEP) and the  
Professoriate and in the NIH Minority  
Biomedical Research Support Initiative for  
Scientific Enhancement (MBRS RISE).



Accomplishments:  
Earned from NMSU in  
Molecular Biology:  
Ph.D, 2012; M.S., ,  
2005; Ph.D; B.S.,

Agriculture. 14 Publications, including two as First Author.

**Chris Torres, Ph.D.** in Chemical Engineering (in progress) at the University of Illinois at Urbana-Champaign, Urbana, Illinois. Anticipated graduation with Ph.D., May 2023. (Included in this document because he is an outstanding student, overcoming many barriers and progressing well. He was a SCCORE, URS, and Transfer Stipend recipient in NM AMP.)

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Recent recipient of the Ford Foundation Predoctoral Fellowship. Five (5) publications in such journals as *ACS Earth and Space Chemistry*, *Chemical Geology Journal*, *Environmental Science and Technology*.

Accomplishments: Anticipated date for Ph.D in Chemical Engineering.:



2023; bypassed the M.S. in the Ph.D. program in which he is participating; B.S., Summa Cum Laude, in Chemical Engineering, Minor in Mathematics and Chemistry in 2018 from University of New Mexico. Transferred

from Central New Mexico Community College, where he earned an A.A.S. with Highest Honors in Integrated Studies. Tau Beta Fellow; NSF Graduate Research Fellowship Program, Honorable Mention; GEM Associate Fellow; Sloan Scholar, Alfred P. Sloan Foundation's Minority Ph.D. (MPHD) Program; University of Illinois Graduate College Fellow; University of Illinois - Department of Chemical and Biomolecular Engineering- Samuel W. Parr Fellow; UNM-S-STEM National Science Foundation Scholar; American Chemical Society Scholar; AIChE Minority Affairs Committee Scholarship; AIChE Donald F. Othmer Sophomore Excellence Award; Harry and Mabel Leonard Scholarship; New Mexico Educator's

Federal Credit Union Scholarship; Outstanding Teamwork Badge, UNM CBE.

**Steven P. Sandoval, Ph.D.**, Assistant Professor, Klipsch School of Electrical Engineering, New Mexico State University, Las Cruces, NM.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Dr. Sandoval has authored 25 publications, including 12 publications as First Author..

Accomplishments: Dr. Sandoval earned the B.S. in 2007 in Electrical Engineering and the M.S.



degree in Electrical Engineering in 2010 from New Mexico State University; he earned the Ph.D. from

Arizona State University in May, 2016. Dr. Sandoval was a Research Assistant in the Electrical Engineering Department and worked on advance technologies in speech processing. Sandoval's research resulted in a speech coding patent and a published journal paper. During Dr. Sandoval's undergraduate program at New Mexico State University, he was a participant of the NMSU Flying Aggies Student Research Team. As a team member, he participated in the Gravity Student Flight program, a national competition for flight slots. All three of his team's projects were accepted and two were tested aboard NASA's KC-135 at Johnson Space Center. He also participated in NM AMP's Undergraduate Research Scholars (URS) program. In addition, he received a New Mexico Space Grant Fellowship. As a participant of the Summer Undergraduate Research Fellowship at Caltech, he completed a single internship at the NASA Jet Propulsion Laboratory, followed by a second internship from Honeywell International .

**Joseph C. Hardin, Ph.D.**, Computational Scientist/Radar Engineering, Pacific Northwest National Laboratory (PNNL), Washington area.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Dr. Hardin has authored 26 publications, including eight publications as First Author.

Accomplishments: Dr. Hardin received the Ph.D. from Colorado State University in Fort Collins, Colorado in Electrical Engineering (2015), the M.S. in Electrical Engineering from New Mexico State University (2010), and the B.S. in Electrical Engineering and Mathematics



from New Mexico State University (2007). He served as a Graduate Research Assistant at Colorado State University for five years and was responsible for conducting research on weather radar microphysical retrievals and to calculate retrievals of hydrometeors in the atmosphere based on dual-polarimetric multi-frequency weather radar data using various inverse problems techniques. He was a Ph.D. Intern at Sandia National Laboratories in Albuquerque, NM from January, 2013-January 2015. He also served as a Graduate Research Assistant at New Mexico State University from 2007-2010 and was responsible for conducting research on machine learning techniques applied to audio compression, audio quality metrics, and brain computer interfaces via EEG data. Dr. Hardin was a New Mexico AMP Undergraduate Research Scholar (URS) at New Mexico State University. He presented at the NM AMP 2005 Student Research Conference and presented a poster entitled, "Design of Autonomous Earth Movers." Dr. Hardin participated in the RioRobo lab project, which aimed at developing

three Autonomous Earth Movers (AEMS) that could perform earth moving functions.

**Melanie C. Baca, M.D.**, Assistant Professor in the Department of Family and Community Medicine at the University of New Mexico ,Atrisco Heritage Clinic., and has a secondary appointment in the Department of Pediatrics, Adolescent Center for Family and Community Health.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University. Accomplishments: Dr. Baca earned the B.S. in Microbiology in 2007 from New Mexico State University. Dr. Baca participated in the NM AMP Undergraduate Research Assistant's (URA) program and presented at the NM AMP Research Conferences. At the Fall 2005 Conference, Dr. Baca presented an oral presentation



Dr. Baca received the M.D. from the University of New Mexico in 2012, completed a residency in Family Medicine at UNM in 2015, then went on to complete an Adolescent Medicine Fellowship at UNM in 2016.

entitled, "Isolation and Cloning of Gene MEF-2C from *Sternopygus Macrurus* Skeletal Muscle." Currently, Dr. Baca sees patients at the Atrisco Heritage Center for Family and Community Health. She also cares for detained youth at the Bernalillo County Youth Services Center. She directs the Adolescent Medicine rotation for the third year residents and attends on the Inpatient Family Medicine Service. She is part of a multi-disciplinary research group conducting a five-year research study entitled "Prevention of Teen Pregnancy through Screening and Brief Intervention in Primary Care." Dr. Baca's specialties and certifications include: Board Certification in Family Medicine 2016, Specialty in Adolescent Medicine, and Motivational Interviewing Network of Trainers (MINT).



**Serina R. Padilla, M.D.,** Clinical Assistant Professor in the Department of Pediatrics, General Pediatrics, at the University of Kansas.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

B.S., Biology, New Mexico State University, 2008; Doctor of Medicine, 2014, University of Kansas. Former NM AMP Undergraduate Research Scholars (URS) Participant.

Accomplishments: Listed as First Author on a valuable and significant publication: "Kansas Provider Report of Adolescent Vaccinations in Their Practice." This article focuses on Kansas' pattern of falling below average for adolescent vaccination of meningococcal (MCV), human papillomavirus (HPV), and influenza. For this study, the members of Kansas Chapter of the American Academy of Pediatrics were administered a confidential electronic survey soliciting their impressions of vaccination in their practice. Dr. Padilla analyzed and reported on the results, which is helping with awareness of the issue.

**Vicente J. Ibarra, Ph.D.,** Research and Design Engineer, Los Alamos National Laboratory, Los Alamos, NM.

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

B.S. in Electrical Engineering (2010); Ph.D. in Electrical Engineering (2017), both degrees from the New Mexico State University Klipsch School of Engineering.

Accomplishments. Dr. Ibarra's research New Mexico Alliance for Minority interests include electro-magnetics, energy-harvesting, and mixed-signal integrated circuits. He joined Los Alamos National Laboratory in 2017 after working in industry and pursuing his Ph.D. part-time. Dr. Ibarra has two publications, including one publication as First Author. Dr. Ibarra participated in the Undergraduate Research Scholars program (URS) at NMSU.

**Marissa N. Martinez (Meissner), M.D.** Rheumatologist affiliate with Geisinger Medical Center and Geisinger-Bloomsburg Hospital, Danville, PA.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Dr. Meissner graduated from the University of Texas School of Medicine at San Antonio in 2011.

Accomplishments: Dr. Meissner earned the B.S. in Microbiology in 2007 from New Mexico State University. She was a NM AMP



Undergraduate Research Assistant (URA). Medical Certifications: Rheumatology and Internal Medicine from the American Board of

Internal Medicine. She has been in the medical specialization area of Rheumatology for over nine years.

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**Gizelka David-West, M.D.,** Employed at Westchester Medical Center, New York, where she practices gynecologic oncology and obstetrics.

Dr. David-West graduated Summa Cum Laude from Eastern New Mexico University with a B.S. degree in Biology and a Minor in Chemistry. She earned the Medical Degree at the University of Miami Miller School of Medicine.

Accomplishments: Dr. David-West completed a internship and residency in obstetrics and gynecology at Mount Sinai School of Medicine, New York. She participated in an internship from New York University Langone Medical Center, New York, where she obtained



certification as a robotic surgeon. She has authored ten publications, according to ResearchGate.

**Teresa Ceseña**, Associate Director of Regulatory and Medical Writing, MMS Holdings, Ann Arbor, Michigan.

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

Dr. Ceseña has eight publications, according to ResearchGate.

Accomplishments: Dr. Ceseña received the B.S. from University of New Mexico in Biology and Psychology in 2000; received the Ph.D. in Molecular and Cellular Biology in 2007. Served as Postdoctoral Fellow at the University of



Michigan in 2008- 2009. Worked as Research Technician at the University of New Mexico in 2001. In her present position at MMS, she New Mexico Alliance manages and oversees reports and projects and leads successful medical writing and submission projects by interacting with clients to understand and implement their project goals.

Accomplishments: the University of Tennessee New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

**Jerrad Auxier, Ph.D.** Nuclear Engineering from University of Tennessee, Knoxville, 2017, and he currently works as a Research and Development Engineer at Los Alamos National Laboratory (LANL).

Jerrad Auxier and John Auxier (already profiled) are brothers. They both began their academic careers at Northern New Mexico College before it became a 4-year institution, and both went on to earn a Ph.D. in related areas.

Accomplishments: Dr. Jerrad Auxier earned the B.S., M.S., and Ph.D. in Nuclear Engineering from the University of Tennessee-Knoxville. He served as the Vice Chair of the American Nuclear Society, the President of the Student Chapter of the American Nuclear Society, and Secretary of the Student Chapter of the Institute of Nuclear Materials and Management. Dr. Auxier was a Graduate Research Assistant at the University of Tennessee from 2011-2013. He participated in NM AMP-supported research at Northern NM College and was an undergraduate research assistant at the University of Tennessee. Dr. Auxier participated in an internship at MilliTEK for three months in the Knoxville,

**Roberto Lopez, Ph.D.**, Assistant Professor, Department of Horticulture, Michigan State University, East Lansing, MI 2016-Present. Horticulture and Landscape Architecture, Purdue University from 2007-2012.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Dr. Lopez served as Associate Professor and Floriculture Extension Specialist and as a University Faculty Scholar in the Department of Horticulture and Landscape Architecture at Purdue University, from 2012-2016. Served as Assistant Professor, Department of Horticulture.

Accomplishments: Dr. Lopez received the B.S. in Biology and Economics in 2001 from the University of New Mexico; the M.S. from

Michigan State University in Horticulture in 2003; and the Ph.D. in Horticulture in 2007 from Michigan State University. He received the Cooperative Extension Specialist Association Early Career Award in 2010. He was awarded a \$50,000 Discretionary Award in 2015 from Purdue University, the Cooperative Extension Purdue Research Foundation International Travel (IT) Grant in 2008, 2010, and 2011. He was awarded the Indiana Flower Growers Association Floriculture Person of the Year in 2015. He participated in the NM AMP Undergraduate Research Scholar (URS) at the University of New Mexico. His Publications include two Books, eight Book Chapters, 32 Refereed Journal Publications and Conference Proceedings. Dr. Lopez currently works with four undergraduate students and in the past, he has worked with 10 graduate students. Dr. Lopez' students have earned 87 lab awards, including oral and poster presentation awards, various other awards, scholarships, grants, and fellowships.

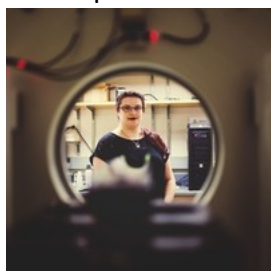
**Rose Perea, Ph.D.** Post-Doc Researcher at National Research Council/National Academics of Science, Engineering, Mathematics, and Medicine, Nashville, Tennessee.

New Mexico Alliance for Minority Participation, Lead Institution, New Mexico State University.

Dr. Perea is a former NM AMP Bridge to the Doctorate V participant as well as the Fisk-Vanderbilt Ph.D. Bridge Program.

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Accomplishments: Rose Chavarria Perea, former Bridge to the Doctorate V participant, earned the B.S. Degree in Engineering in 2007, and the M.S. in Physics in 2010, both degrees earned from New Mexico State University. She was in the Fisk-Vanderbilt Masters-to-Ph.D. Bridge program at Fisk University from 2011-2013 in Nashville, TN and earned a Masters in Physics, then progressed



to earn the Ph.D. from Vanderbilt in 2019. She was a CRESST Summer Intern at NASA Goddard Space Flight Center from June 2013-August 2013.

**Christella Anne Lovato, Pharm D**, employed at CVS Pharmacy as Staff Pharmacist, Holman, NM.

New Mexico Alliance for Minority Participation, Lead Institution: New Mexico State University.

Dr. Lovato received the Doctor of Pharmacy (Pharm.D.) Nuclear Pharmacy, o in 2018 from Purdue University, West Lafayette, Indiana.

Accomplishments: Dr. Lovato earned the B.S. degree in Biology in 2012 from Northern New Mexico College in Espanola, NM. At Northern New Mexico College, she participated in the following: the NM AMP Undergraduate Research Scholars (URS) program; the Associated Student Senate and served as Senator and Chairwoman (2009-2012); the National Association of Corrosion Engineers Student Chapter, and served as Vice President (2010-2011); the Biology Interest Group (2010-2011); participated as a Tutor for Biology, Chemistry, and Math. At Purdue, she participated in the following: member of the Society of Nuclear Pharmacy and the Purdue Student Chapter (2012-Current); member of the Christian Pharmacists Fellowship International (2012-Current). She worked as a Pharmacy Intern at CVS Pharmacy (2016-18), a Pharmacy Intern at Walmart (2012-2015), and as a Certified Pharmacy Technician at Walmart (2006-2011).

**Kelly Upshaw-Bia**, Doctor of Veterinary Medicine, Navajo Nation Veterinary and Livestock Program at the Tse Bonito Clinic (May 2005-Present)

Dr. Upshaw-Bia received the Doctor of Veterinary Medicine (DVM) from the Colorado State University Biomedical Sciences and Veterinary Medicine in 2005.



New Mexico Alliance for Minority Participation,  
Lead Institution: New Mexico State University.  
Accomplishments: Dr. Upshaw-Bia received the  
B.S. degree in Biology, General in 2001 from  
Highlands University, Las Vegas, NM. Dr.  
Upshaw-Bia served as a Student Intern at the  
USDA-APHIS-VS in Fort Collins from 2004-2005  
**Nikki** while completing the DVM from Colorado  
State University. The clinic at which Dr.  
Upshaw-Bia is employed is part of the Navajo  
Nation Veterinary Program, established in 1982  
to provide low cost, quality veterinary services  
to the Navajo People.

**Nikki Rendon, Ph.D.** Senior Medical Writer  
at Avant Healthcare in Evanston, Illinois.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.

Dr. Rendon received the Ph.D. in Evolution,  
Ecology, and Behavior, with an area  
Certificate in Animal Behavior.

Accomplishments: Dr. Rendon earned the B.S.  
in Biology, with a Minor in Chemistry from



Northern New Mexico College  
in 2010 and the M.S. in Biology  
and Psychology in 2006. Dr.  
Rendon was employed as a  
Medical Writer at Avant  
Healthcare in Chicago, Illinois,

then as a Biological Researcher at Indiana  
University in Bloomington, Indiana. She also  
worked as a Business Strategist for  
Pharmaceuticals and Healthcare at the Kelley  
School of Business at Indiana University in  
Bloomington, Indiana, and as an Associate  
Instructor at Indiana University in Bloomington,  
Indiana. Dr. Rendon participated in the NM  
AMP Undergraduate Research Scholar's  
Program.

**Justin Marcak, Ph.D.**, Lead Industrial Engineer at  
Puget Sound Naval Shipyard, Bremerton, WA.

Dr. Marcak received the following degrees from  
New Mexico State University in Industrial  
Engineering: the Ph.D. (2015), the M.S. degree  
(2012), and the B.S. degree (2010).

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.  
Accomplishments: Dr. Marcak has worked at the  
Puget Sound Naval Shipyard for approximately  
four + years, with the position of Lead Industrial  
Engineer since July 2018 to the present. From  
2016-18, he worked for the Lifting and Handling  
(L&H) Department at Puget Sound and  
Intermediate Maintenance Facility, focusing on  
quality and safety. He served at New Mexico  
State University as a Teaching Assistant from Jan.  
2011 to May 2015 in the Department of  
Industrial Engineering, and he taught several  
classes. Dr. Marcak was awarded the 2009-10  
Intel Minority Scholarship. Before that, from  
January- July 2008, he participated in an  
Automation Packaging Coop for Ethicon Endo-  
Surgery, helping with plant productivity and  
leaning of packaging lines in automation in the  
packaging department and performed time  
studies to determine where improvements could  
be made in the packaging process. Justin  
participated in the New Mexico State University  
NM AMP program's Undergraduate Research  
Scholars program as an undergraduate and  
presented at several NM AMP Student Research  
Conferences as well as national conferences. He  
volunteered as a Mentor in the Las Cruces Public  
Schools EXCEL program and served as a Judge for  
the New Mexico BEST Robotics Competition  
from 2010-2012. He also served as a Local  
Science Fair Judge in Science and Technology  
competitions in K-5.

**Jonathan Paiz, Ph.D.** Senior Commercial  
Specialist, Inorganics at Sasol.

New Mexico Alliance for Minority Participation,  
Lead Institution, New Mexico State University.  
Accomplishments: Dr. Paiz earned the Ph.D.,  
with a Minor in Nano Science and Microsystems  
Engineering (2009-13) and the B.S. from the  
University of New Mexico in Chemical

Engineering , with a second major of Spanish (2003-2009). (He was in a program that went right from the B.S. to the Ph.D). He attended Universidad de Guadalajara in an Engineering Semester Exchange Program in 2007. He also attended the LeRoy Winter School on Electron Microscopy in 2012. Johnathan participated in the NM AMP University of New Mexico Bridge to the Doctorate Program.



Dr. Paiz earned the Ph.D. in Chemical Engineering in 2013 with the area of study as Heterogeneous Catalysis, Nanaoscience and Microsystems.