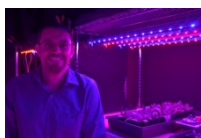


**Dr. Roberto Lopez**, Ph.D., Asst. Professor, Department of Horticulture, Michigan State University, East Lansing, Michigan. [A]

New Mexico Alliance for Minority Participation.

Dr. Lopez served as Associate Professor and Floriculture Extension Specialist and Faculty Scholar in Dept. of Horticulture/Landscape Architecture, Purdue University. His publications include two books, eight book Chapters, and 32 Refereed Journal Publications and Conference Proceedings.

Accomplishments: Dr. Lopez received the B.S. in Biology and Economics in 2001 from the



University of New Mexico; and the M.S. and the Ph.D. in Horticulture from Michigan State University, in 2003 and

2007, respectively. He received the Cooperative Extension Specialist Association Early Career Award. He participated in the NM AMP Undergrad. Research Scholars. Now works with 4 undergraduates and formerly worked with 10 graduates. Students earned 87 lab awards. (Photo: Dr. Lopez' research)

**Martha Martinez Grimes**, Research Assistant Professor, Department of Chemistry and Microbiology, University of New Mexico, Albuquerque, NM. [BIO]

New Mexico Alliance for Minority Participation.

Martha Martinez Grimes was in the ASERT Program (the Academic Science Education and Research Training program) for Postdoctoral Fellows. [BIO]

Accomplishments: Dr. 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.

**Daniel Colman**, Assistant Research Professor in Microbiology and Immunology at Montana State University, Bozeman, Montana. [BIO]

New Mexico Alliance for Minority Participation.

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: NM AMP Bridge to the Doctorate program at University of New



Mexico, 2015; received B.S./B.A. in Biology and Chemistry from the University of New Mexico, 2009. Has received a number of

grants and fellowships; is the recipient as PI or Co-I of over \$1.1 million in grants over the last four years; is currently Coordinator and Instructor for General Microbiology Laboratories and Instructor for Teaching Methods.

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

New Mexico Alliance for Minority Participation.

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;



B.S., Agriculture. Authored 14 Publications, including two publications as First Author.

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

New Mexico Alliance for Minority Participation.

Dr. Ceseña has eight publications.

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. Postdoctoral Fellow at the University of Michigan. At MMS, manages and oversees reports and projects and leads successful medical writing.

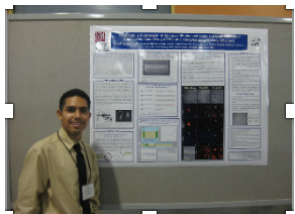


**Daniel Ramirez**, Postdoctoral Fellow at the University of Colorado Anschutz Medical Campus. [BIO]

New Mexico Alliance for Minority Participation.

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

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 are seasonal

agricultural workers. He received from New Mexico State University the Ph.D. in Biology/Neurobiology, and the B.S. in Biology (graduated with Honors). Participated in the RISE STARTUP Research Externship at Brigham and Women's Hospital and as BRAiN Graduate Facilitator at University of Colorado Anschutz Medical Campus.

**Brandi Cron Kamermans**, Department of Geosciences Distinguished Post-Doctoral Fellow at Penn State University, city of State College, PA.

New Mexico Alliance for Minority Participation

**Brandi Cron Kamermans**, is a Bridge to the Doctorate VI participant at the University of New Mexico, where she received a B.S. in Biology and M.S. in Geology and Earth Sciences. She received the Ph.D. from the University of Minnesota-Twin Cities in Biogeology [GEO]

Accomplishments: Three publications; received the Chief Manuelito Scholarship;



recipient of NSF Graduate Research Fellowship Program award; participated in the McNair Post-baccalaureate

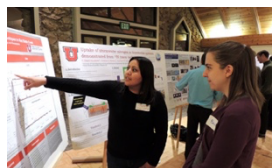
Achievement Program; participated in the UNM NM AMP Undergraduate Research Scholars program; Doctoral Fellowship.

**Crystal Tulley Cordova**, Ph.D., Principal hydrologist for the Navajo Nation, Department of Water Resources-Water Management Branch. [GEO]

New Mexico Alliance for Minority Participation.

Dr. Tulley-Cordova, Ph.D. in Geology, Master's of Water Resources, and B.S. in Earth and Planetary Sciences, University of New Mexico.

Accomplishments: Research focused on using historical records and isotope geochemistry to understand water resources of the Navajo Nation and susceptibility to climate land use change. She participates as a technical expert in water rights meetings with tribal, city, state, and federal government. EPA STAR Fellow; inter. interned at Los Alamos National Lab and Lawrence Livermore National lab.



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

New Mexico Alliance for Minority Participation

EPA STAR Graduate Research Fellowship in which she participated in a hydrogeologic study on the Chuska Mountains in the Navajo Nation (Conducting field work, photo below.)

Accomplishments: Earned Dual Bachelor's degrees from University of New Mexico: B.S



degree, Environmental Science, and B.A. (with Honors) in Native American Studies; earned Masters in Water

Resources from University of New Mexico Planetary Sciences at University of New Mexico in 2012; Ph.D. in Hydrology, New Mexico Institute of Mining and Technology.

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

New Mexico Alliance for Minority Participation.

Cherie co-authored "Mine Waste Effects on Water and Soil in Native American Land in Western USA," which significantly impacts native lands.



Accomplishments: Cheri 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 motivated to do more to integrate Native American perspectives in the larger scientific body of knowledge."

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

New Mexico Alliance for Minority Participation

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 fellowship.

Accomplishments: Dr. Nereson received a Ph.D.



from the University of California, Santa Cruz, in Earth and Planetary Sciences. He earned the M.S. degree in Earth and Planetary Sciences at

University of New Mexico; and the B.A. in Geology from Macalester College. He has authored five publications. He has almost 10 years of experience applying GIS, remote sensing, and field work to geological problems in academic and industry settings.

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

New Mexico Alliance for Minority Participation.

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**, Water Resources Professional III at the Office of the State Engineering Hydrology Bureau in Santa Fe, NM. [ENG]

New Mexico Alliance for Minority Participation.

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. In graduate school, Jose worked as a Graduate Mentor for undergraduate students participating in the Summer Multicultural Access to Research Training (SMART). In undergraduate school, he participated in NMSU's NM AMP SCCORE and URS programs.

**Daniel Archuleta**, J.D., Attorney-at-Law, Partner, Troutman Sanders, LLP, Washington, D.C. and B.S. in Civil Engineering at New Mexico State University. [ENG]

New Mexico Alliance for Minority Participation.

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

Accomplishments: 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.

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

New Mexico Alliance for Minority Participation.

Dr. Hendren earned the Ph.D. from Duke University, and the M.S. and B.S. from New Mexico State University.

Accomplishments: Holds a Provisional Patent 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. This work has resulted in numerous publications, presentations, and technical reports for users.

**Ben Rael**, Ph.D., Intel Corporation, Process Engineering, 2016-Present, Alb., NM. [ENG]

New Mexico Alliance for Minority Participation.

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

Accomplishments: B.S. in Physics, University of New Mexico; Ph.D. in Mechanical Engineering, University of New Mexico, 2016. Authored



publications; Fulbright Alternate, in 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, TX, and awarded NSF IGERT Fellowship.



**Anthony Torres**, Ph.D., Associate Professor  
Concrete Management Industry, Texas  
State University. [ENG]

New Mexico Alliance for Minority Participation.

Anthony Torres has authored three  
publications and developed five courses.

Accomplishments: B.S. degree in Civil



Engineering, New Mexico  
State University; M.S. and  
Ph.D. degrees, Civil  
Engineering, University of  
New Mexico. Worked as a  
Materials Engineer at Applied

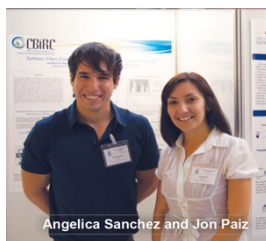
Technology Associates (ATA); Space Scholar,  
Materials Engineer, Air Force Research Lab.;  
Structural Engineering Intern, Chavez-Grieves  
Consulting Engineers, Inc.; Engineering Intern,  
NM Office of the State Engineer. Dr. Torres has  
served as a Graduate Research Assistant and  
Instructor at UNM.

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

New Mexico Alliance for Minority Participation.

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

Accomplishments: Dr. Benavidez 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.

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

New Mexico Alliance for Minority Participation.

Shakti Davis was named Most Promising  
Engineer at a U.S. Black Engineer of the Year  
Award Conference in 2010.

Accomplishments: B.S. degree, New Mexico  
State University (1999); Ph.D, University of



Wisconsin in Electrical and  
Computer Engineering (2006);  
received a U.S. patent for  
microwave-based examination  
of medical conditions using  
hypothesis testing; was a

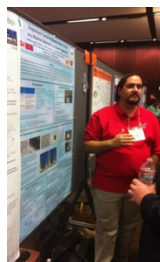
National Institutes of Health Post-Doctoral  
Fellow, Graduate Engineering Research Scholar,  
AT&T Laboratories Fellow; and recipient of IBM  
Almaden Research Internship Award. She  
authored, "Breast Tumor Characterization  
based on Ultra-Wideband Microwave  
Backscatter," which significantly impacted the  
detection and treatment of the disease.

**Antonio Rivera**, Ph.D., Yield Engineer, Intel,  
Hillsboro, OR. [ENG]

New Mexico Alliance for Minority Participation.

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

Accomplishments: Ph.D. degree recipient in



Nanoscience and Microsystems  
from the University of New  
Mexico. 10 First Author  
publications in journals and  
proceedings; one patent earned  
for Thermal Neutron detection  
method; and 42 publications as

First Author or Co-author. NSF MAINST NMCR  
Research Scholar; Minority Graduate Education  
at Mountain States Alliance Research Scholar;  
NM AMP Bridge to the Doctorate Fellow;  
Integrating Nanotechnology with Cell Biology  
and Neuroscience/ Integrative Graduate and  
Education and Research Traineeship (IGERT).

**Matthew Rush**, Post-Doc at Northern Arizona University. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Rush was a Bridge to the Doctorate Fellow at the University of New Mexico. Dr. Rush has authored 11 Publications.

Accomplishments: B.S., New Mexico Tech, Mechanical Engineering; M.S. in Nanoscience and Microsystems Engineering, University of New Mexico. Ph.D. from the University of New Mexico Nanoscience & Microsystems Engineering. Former Post-Doctoral Fellow at the University of New Mexico School of Medicine. Graduate Research Asst. in Center of Integrated Nano Technologies at Los Alamos National Laboratory. Received the Brian Colon Exemplary Service Award; was Graduate Student Commencement Speaker for College of Engineering; awarded Distinguished Leader of the Year Award, (Photo: Top Center, pointing.)

**Theodore Mansfield**, Ph.D., Resource Systems Group, Inc (RSG, Inc.), Washington, D.C. Current position: Consultant. [ENG]

New Mexico Alliance for Minority Participation

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

Accomplishments: Dr. Mansfield earned a Ph.D. in Environmental Science and Engineering in at the University of North Carolina-Chapel Hill. He earned the M.S. in City and Regional Planning and in Environmental Sciences and Engineering. He earned the B.S. in Civil Engineering with a math minor. He published four articles. He was awarded the Doctoral Completion Fellowship, authored an article selected for media outreach by the Society for Risk Analysis, including the Boston Globe and Wall Street Journal. (Photo: Volunteer work in Peru with NMSU).



**Chris Torres**, Ph.D. in process in Chemical Engineering (Ph.D. anticipated in May 2023) at the University of Illinois at Urbana-Champaign. He was an outstanding NM AMP SCCORE, URS, and Transfer Stipend participant. [ENG]

New Mexico Alliance for Minority Participation.

Recent recipient of the Ford Foundation Predoctoral Fellowship and currently has five publications.

Accomplishments: Christopher Torres has a B.S., in Chemical Engineering with a Minor in Mathematics and Chemistry in from the University of New Mexico. NSF Graduate Research Fellowship Program; GEM Associate Fellow; Sloan Scholar, Alfred P. Sloan Foundation's Minority Ph.D. Program; University of Illinois Graduate College Fellow; University of Illinois Department of Chemical and Biomolecular Engineering- Samuel W. Parr Fellow; and named NM-S-STEM NSF Scholar.



**Steven P. Sandoval**, Ph.D., Assistant Professor, Klipsch School of Electrical Engineering, New Mexico State University. [ENG]

New Mexico Alliance for Minority Participation.

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

Accomplishments: Dr. Sandoval earned B.S. and M.S. degrees in Electrical Engineering from New Mexico State University; earned the Ph.D. from Arizona State University. Dr. Sandoval was an R.A. 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. Dr. Sandoval participated in NM AMP's Undergraduate Research Scholars (URS) program and was a recipient of the New Mexico Space Grant Fellowship.



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

New Mexico Alliance for Minority Participation.

Dr. Hardin has authored 26 publications, including 8 publications as First Author.

Accomplishments: Dr. Hardin received the Ph.D. from Colorado State University in Fort Collins, Colorado in Electrical Engineering (2015), an M.S. in Electrical Engineering from New Mexico State University (2010), and B.S. in Electrical Engineering and Mathematics from New Mexico State University (2007). He served as a Graduate R.A. at Colorado State University and as a Graduate R.A. at New Mexico State University. Dr. Hardin was a NM AMP Undergraduate Research Scholar at New Mexico State University and presented at the NM AMP 2005 Student Research Conference.

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

New Mexico Alliance for Minority Participation.

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 for 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 at New Mexico State University.



**Jerrad Auxier**, Ph.D. Nuclear Engineering, University of Tennessee-Knoxville. R&D Engineer at Los Alamos National Laboratory (LANL). [ENG]

New Mexico Alliance or Minority Participation.

**Jerrad Auxier** and John Auxier (profiled in this document) are brothers. They began their academic careers at Northern New Mexico College, and both went on to earn a Ph.D. in related areas.

Accomplishments: Dr. Jerrad Auxier earned the A.A.S. from Northern New Mexico College, 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; was awarded Best Ambassador for the Dept. of Nuclear/Radiological Engineering. He participated in NM AMP-supported research at Northern New Mexico College.

**Justin Marcak**, Ph.D., Lead Industrial Engineer at Puget Sound Naval Shipyard, Bremerton, Washington. [ENG]

New Mexico Alliance for Minority Participation.

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

Accomplishments: Dr. Marcak has worked at the Puget Sound Naval Shipyard for four years, with the position of Lead Industrial Engineer since July 2018 to the present. Dr. Marcak was awarded the 2009-10 Intel Minority Scholarship. He participated in the New Mexico State University NM AMP Undergraduate Research Scholars and presented at several AMP Student Research Conferences as well as national conferences.





**Johnathan Paiz, Ph.D.** Commercial Specialist, Inorganics at Sasol. [ENG]

New Mexico Alliance for Minority Participation.

Dr. Paiz worked in the area of Chemical Engineering in the Ph.D. and the M.S. programs in Heterogeneous Catalysis, Nanoscience and Microsystems.

Accomplishments: Dr. Paiz earned the Ph.D., with a Minor in Nano Science and



Microsystems Engineering and the B.S. from the University of New Mexico in Chemical Engineering with a second major of Spanish. He attended Universidad de Guadalajara in an Engineering Semester Exchange Program and

also attended the LeRoy Winter School on Electron Microscopy. Johnathan participated in the NM AMP University of New Mexico Bridge to the Doctorate Program.

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

New Mexico Alliance for Minority Participation.

Dr. Houston was selected for the National Science Foundation CAREER Award. She has authored 24 publications.

Accomplishments: Dr. Houston was an LSAMP Bridge to the Doctorate recipient at Texas



A&M. She was selected for the Director's Post-doctoral Fellow at Los Alamos National Laboratory; received

the Faculty Fulbright Fellowship; NMSU Early Career Award, the NMSU Outstanding Junior Faculty Award by the Hispanic Faculty/Staff Caucus; was selected as the International Society for Advancement of Cytometry Scholar. Earned B.S., NMSU; M.S. and Ph.D., Texas A&M. Participated in NM AMP in undergraduate years.

**Marco Dunwell, Ph.D.** Chemical Engineering; teaches at Lincoln High School in Newark, NJ. [ENG] Authored 23 publications.

New Mexico Alliance for Minority Participation.

Dr. Dunwell was mentored by University of Delaware Professor of Chemical and Biomolecular Engineering, Dr. Bingjun Xu, who remarked that Dr. Dunwell was an extraordinary mentee who followed his passion to teach at-risk students, although he received other more prestigious offers.

Accomplishments: Dr. Dunwell made the decision to teach at-risk high school students



because of his passion to help underrepresented students and to give back what he had been given. He holds a B.S., Chemical Engineering, NMSU, and Ph.D., Chemical Engineering,

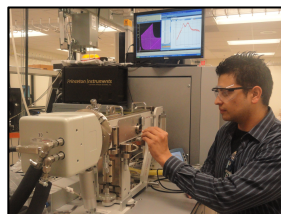
University of Delaware. Dr. Dunwell interned as an undergraduate at Los Alamos National Laboratory.

**Jose "Leo" Bañuelos., Ph.D.,** Professor of Physics University of Texas at El Paso (UTEP). Has authored over 20 publications. [MPS]

**Dr. Bañuelos** did his Post-Doctoral work at the Geochemistry and Interfacial Sciences Group in the Chemical Sciences Division of Oak Ridge National Laboratory.

New Mexico Alliance for Minority Participation.

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 UK where he was employed for several years before returning to the U.S. to work as Professor of Physics at UTEP. B.S. and Ph.D. from NMSU.

**John. D. Auxier, II**, Ph.D., MRSC, New Mexico.  
Actinide Analytical Chemist, Los Alamos  
National Laboratory (LANL) New Mexico. [MPS]

New Mexico Alliance for Minority Participation.

Authored over 28 publications, five patents  
under review/patent-pending.

Accomplishments: earned A.A.S., Northern New  
Mexico College; B.S. in Chemistry, Adams State  
College; and Ph.D.,  
Inorganic and Nuclear  
Chemistry, U of  
Tennessee, Knoxville.  
Awarded the 2019 LANL  
Chemistry Division



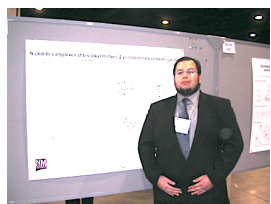
Award, the Research Excellence Award for UTK  
Nuclear Engineering Department in 2016 and  
2018. Team Leader, Actinide Analytical  
Chemistry, LANL; Joint Professor in the  
Mechanical, Aerospace/ Biomolecular Dept. at  
UTK. National Security Complex; Guest Scientist  
at LANL; Guest Scientist at Oak Ridge.

**Ismael Nieto**, R&D Scientist, W.R. Grace &  
Company, (Zachary, Louisiana). Former  
Research and Technology Chemist III, at  
Albemarle. Authored 8 Publications. [MPS]

New Mexico Alliance for Minority Participation.

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

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



El Paso in 2002 and 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  
Minority Biomedical Research Support (MBRS)  
Initiative for Scientific Enhancement (RISE)  
Fellowship.

**Belin Tsinnajionnie**, Associate Professor and  
Co-Chair of Mathematics, Santa Fe Community  
College, Santa Fe, NM. [MPS]

New Mexico Alliance for Minority Participation.

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

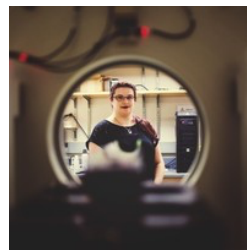
from the University of Arizona in 2018. He  
served as a Graduate Research Assistant at the  
University of Arizona for two years.

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

New Mexico Alliance for Minority Participation.

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

Accomplishments: Rose Chavarria Perea,  
former Bridge to the Doctorate participant,  
earned the B.S. Degree in Engineering in 2007,



and the M.S. in Physics in  
2010, both from New  
Mexico State University.  
She was in the Fisk-  
Vanderbilt Masters-to-  
Ph.D. Bridge program at  
Fisk University to

Vanderbilt University, both in Nashville, TN and  
earned a Master's in Physics from Fisk  
University then progressed to earn the Ph.D.  
from Vanderbilt. She was a CRESST Summer  
Intern at NASA Goddard Space Flight Center.

**Danielle Miranda**, Research Protocol Specialist, Mayo Clinic, Scottsdale, AZ. [OTH]

New Mexico Alliance for Minority Participation.

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:

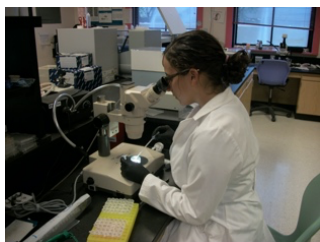
participated in the NM AMP Undergraduate Research Scholars program and the Summer Community College Opportunity for Research Experience (SCCORE); interned at the Fred Hutchinson Cancer Research Center.

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

New Mexico Alliance for Minority Participation.

Victoria Carpenter, 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: Dr. Carpenter was an R.A. at Duke University where she studied Cellular and



Molecular biology. Dr. Carpenter was formerly a NM AMP URS Scholar and a Howard Hughes Medical Institute Research Scholar. Dr.

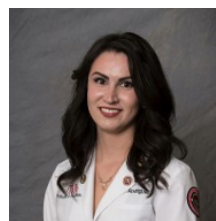
Immo Hansen, Professor of Biology at NMSU was her research mentor. She wrote two published articles and presented at two international scientific conferences from her work on yellow-fever mosquitoes.

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

New Mexico Alliance for Minority Participation.

Dr. Rodriguez received her Doctor of Pharmacy from the University of New Mexico College of Pharmacy & MBA from the University of New Mexico Anderson School of Management.

Accomplishments: Dr. Rodriguez received the B.S. degree in Biology from the New Mexico



State University and participated as a URS Scholar working with mentor Dr. Giancarlo Lopez-Martinez, Assist. Prof. in the Dept. of Biology. Dr. Rodriguez is a

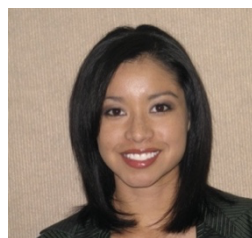
member of ASHP (Pharmacists Advancing Healthcare), which represents pharmacists, student pharmacists, and pharmacy technicians who serve as patient care providers in acute and ambulatory settings.

**Alicia Arguelles Gardner**, Pharm-D, ED Pharmacist, Presbyterian Healthcare Services, Rio Rancho, NM. [OTH]

New Mexico Alliance for Minority Participation.

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: 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 as a Pharmacist for Lovelace Heath System and at Walmart.



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

New Mexico Alliance for Minority Participation.

Jaminelli Banks, earned a B.S. in Biology, with a Chemistry Minor, graduating Summa Cum Laude from the University of NM.

Accomplishments: Dr. Banks participated in an internship at the National Institutes of Health



(NIH) for two years prior to entering the Temple University School of Podiatric Medicine in Pennsylvania. Dr. Banks research was published in *Molecular Pharmacology* and the *National Ronald E. McNair Journal*. Dr.

Banks was in NM AMP research program and attended the NM AMP Conference and won First Place for her Oral Presentation. She presented 30 times at various national conferences on her research.

**Melanie C. Baca**, M.D., Asst. Prof. in the Dept. of Family and Community Medicine at the University of New Mexico (UNM). [OTH]

New Mexico Alliance for Minority Participation.

Dr. Baca completed a residency in Family Medicine at UNM in then went on to complete an Adolescent Medicine Fellowship at UNM.

Accomplishments: Dr. Baca earned the B.S. in Microbiology in 2007 from NMSU. Dr. Baca



participated in the NM AMP Undergraduate Research Assistant's (URA) program and presented at the NM AMP Research Conferences. Currently, Dr. Baca sees patients at the

Atrisco Heritage Center for Family and Community Health. 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 has a Board Certification in Family Medicine.

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

New Mexico Alliance for Minority Participation.

Doctor of Medicine, 2014, University of Kansas. Former New Mexico State University NM AMP Undergraduate Research Scholars.

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, human papillomavirus, 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.

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

New Mexico Alliance for Minority Participation.

Dr. Meissner graduated from the University of Texas School of Medicine in San Antonio, TX.

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.

**Gizelka David-West, M.D.**, Employed at Westchester Medical Center, NY, where she practices gynecologic oncology and obstetrics. [OTH]

New Mexico Alliance for Minority Participation

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 an 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. Participated in the NMSU NM AMP Undergraduate Research Program.



**Kelly Upshaw-Bia**, Doctor of Veterinary Medicine, Navajo Nation Veterinary and Livestock Program at Tse Bonito Clinic [OTH]

New Mexico Alliance for Minority Participation

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

Accomplishments: Dr. Upshaw-Bia received the B.S. degree in Biology & General Studies 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 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. [OTH]

New Mexico Alliance for Minority Participation

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

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



Northern New Mexico College and the M.S. in Biology and Psychology. 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 worked as a Business Strategist for Pharmaceuticals and Healthcare at the Kelley School of Business at Indiana University in Bloomington, Indiana, and as an Asst. Instructor at Indiana University—Bloomington. Dr. Rendon participated in the NM AMP URS Program as an undergrad.

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

New Mexico Alliance for Minority Participation

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

Accomplishments: Dr. Lovato earned the B.S. degree in Biology in 2012 from Northern New



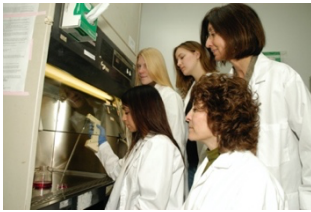
Mexico College in Española, NM. At Northern New Mexico College, she participated in the NM AMP Undergraduate Research Scholars program. At Purdue, she was a member of the Society of Nuclear Pharmacy and the Purdue Student Chapter (2012-Current), as well as a member of the Christian Pharmacists Fellowship International.

**Desarae Gutierrez**, Doctor of Physical Therapy, DPT. Employed at Mission Physical Rehabilitation, San Antonio, TX. [OTH]

New Mexico Alliance for Minority Participation

Dr. Gutierrez earned the Doctor of Physical Therapy from the University of St. Augustine for Health Sciences, M.S. Degree in Biology and Microbiology, with emphasis in Neurobiology and B.S. Degree in Biology from NMSU.

Accomplishments: Dr. Gutierrez was a NM AMP Bridge to the Doctorate Fellow. She published



in the Proceedings in 2007 and 2008; presented at the 24<sup>th</sup> Southern Biomedical Engineering Conference, and at

the American Physical Therapy Association, Combined Sections Meeting in 2017. (Photo: Dr. Gutierrez, lower farthest left).

**Julia Silva**, Resident Physician at Swedish Medical Center and Seattle Indian Health Board, Seattle, Washington. [OTH]

New Mexico Alliance for Minority Participation

Dr. Silva received the Doctor of Medicine from the University of New Mexico School of Medicine, Albuquerque, NM.

Accomplishments: Resident Doctor, Swedish Medical Center and Seattle Indian Health Board; Post -Sophomore Pathology Fellow, University of New Mexico Department of Pathology; B.S. in Biochemistry and Microbiology from NMSU.



She was a Biomedical/Medical Engineering intern at George Washington University. Dr. Silva participated in an undergraduate internship at the Fred Hutchinson Research Center and was in the NM AMP Undergraduate Research Scholars program.