
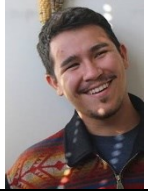



# ASPIRNAUT™



## AI/NA Aspirnaut™ Summer Research Interns 2012-2021 Vanderbilt University Medical Center

Student Name Tribal Name	Photograph	High School/ Hometown, State/ College	Years of Participation	Scientific Project/Mentor(s)	Major/ Career Plans
<b>Kaitlyn Alvord</b> Navajo		Cranbrook Upper School/Bloomfield Hills, MI/Dartmouth College	2014 (Rising HS Junior) 2015 (Rising HS Senior)	2014: The Effects of Fixation on Protein Detection in Immunohistochemistry/Kelli Boyd, Ph.D. 2015: The Role of IFN- $\alpha/\beta$ in Host Antiviral Response to T3D Mammalian Orthoreovirus/Kelli Boyd, D.V.M., Ph.D.	Graduated College 2021 with major in Native American Studies and minor in Studio Art
<b>Christopher Alvord</b> Navajo R25		Yale University (Graduated May 2017)/Brown University School of Medicine	2015 (Rising College Junior)	2015 Project: Assessing Backbone Integration in the <i>piggyBac</i> Transposon System/Matthew Wilson, M.D.	Psychology/Physician Gap Year followed by matriculation to Brown University School of Medicine (2018); in his 3 <sup>rd</sup> year
<b>Taloe Berg</b> Mississippi Band of Choctaw Indians R25		Choctaw Central High School/Choctaw, MS/Vanderbilt University (Graduated May 2017)	2012 (Rising HS Senior) 2013 (Rising College Freshman) 2014 (Rising College Sophomore) 2015 (Rising College Junior; Resident Counselor)	2012: Generation of Drosophila Y Family polymerase $\eta$ Mutant/Laura Lee, Ph.D. 2013: Collagen IV in the Early Stages of Mouse Embryogenesis/B.C. Paria, Ph.D. 2014: Spatial and Temporal Localization of Basement Membrane Proteins and Modulators in Mouse Uterus During Implantation/Celestial Jones-Paris, Ph.D.  Resident Counselor and Coursework	Molecular & Cell Biology/USET Public Health Coordinator


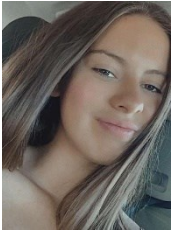
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<b>Jennard Bollin</b> Mississippi Band of Choctaw Indians		Choctaw Central High School/Choctaw, MS/Mississippi Valley State	2015 (Rising HS Junior)  2016 (Rising HS Senior)	2015: Racial Differences in Uterine Fibroids Found in a Database of Electronic Medical Records/Todd Edwards, Ph.D.  2016: Making It Visible: Cloning of Fusion Proteins of Collagen IV/Sergey Budko, Ph.D.	Communication Major Left college and now living in Texas
<b>Nicodemus                      Bushyhead</b> Eastern Band of Cherokee Indians		Cherokee Central High School/ Cherokee, NC/N.A.	2012 (Rising HS Junior)  2013 (Rising HS Senior)	2012: Project: Design of New Selective Antagonists for the Mouse EP1 Receptor/ Richard Breyer, Ph.D. 2013: Project: Developing Methods to Identify Environment Resources by Continuous GPS Monitoring/David Schlundt, Ph.D.	N.A./Lives in Johnson City, TN
<b>Deon Denson</b> Mississippi Band of Choctaw Indians R25		Choctaw Central High School/ Choctaw, MS/Louisiana State University	2013 (Rising HS Junior)  2014 (Rising HS Senior)	2013: Research Project: Diabetes Prevention Video for Native Americans/David Schlundt, Ph.D.  2014: Research Project: Proton NMR Urinary Metabolomics in Mouse Model of Diabetic Nephropathy/Paul Voziyan, Ph.D.	Pre-Vet/Veterinarian Left college and now living in Mississippi/Works as Communication Photographer for Choctaw Community News



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<b>Poncho Ellison</b> Alabama Coushatta Tribe of Texas		Livingston High School/Livingston, TX/University of Oklahoma	2018 (Rising Sophomore)	Studies on collagen IV (Aaron Fidler, Ph.D.)	N.A./Engineer
<b>Sydney Farrar</b> Passamaquoddy Tribe at Indian Township		Maine Central Institute/Charlotte, ME/Iowa Wesleyan University	2016 (Rising Sophomore)  2017 (Rising Junior)  2018 (Rising Senior)	2016: Finding Collagen IV in Chicken Chorioallantoic Membrane/Vadim Pedchenko, Ph.D.  2017: Transient Expression of Collagen IV a3 and a4 NC1 Domains in Expi293F Cells/Vadim Pedchenko, Ph.D.  2018: Cloning and Expression of a Mutation in a3 NC1 Domain of Collagen IV: Potential Clue for Goodpasture's Disease Etiology/Vadim Pedchenko, Ph.D.	Psychology/Forensic Scientist




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<b>Tanner Liddy</b> Poarch Band of Creek Indians R25		Adamsville High School/Adamsville, TN/Vanderbilt University	2014 (Rising HS Senior)  2015 (Rising College Freshman)  2017 (Rising College Junior)	2014: Research Project: Effects of Adjuvant Chemotherapy on Hippocampal Function during Contextual Fear Conditioning/Chad Quarles, Ph.D.  2015: Research Project: Evaluating <i>In Situ</i> Tryptic Digestion Methods for MALDI Imaging Mass Spectrometry Using a Mouse Kidney Model/Richard Caprioli, Ph.D.  2017: Research Project: Engineering	Biomedical Engineering & Chemical Engineering/ Graduated college in 2019/Associate Engineer at Savannah River Remediation LLC (Aiken, SC)
<b>Destiny                      Prendiville</b> Oneida Nation		Pulaski High School/Pulaski, WI/The Culinary Institute of America, Hyde Park, NY/Studies at Northeast Wisconsin Technical College	2015 (Rising HS Senior)	Effect of Bromide on Collagen IV Crosslinking using <i>Artemia salina</i> /Billy Hudson, Ph.D.	Graduated in 2018 from The Culinary Institute of America/ Graduated College with AA, BA in 2021





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<b>Neve Redhair</b> Navajo		Page High School/Page, AZ/Stanford University	2019 (Rising HS Junior)  2021 (Rising College Freshman)	2019: Peroxidase Cross-Linking of Collagen IV: Study of Knockout Mice/Vadim Pedchenko, Ph.D.  2021: Regenerative Medicine Studies in Salamanders and Frogs/Elena Pokidysheva, Ph.D.	Biology/Physician
<b>Emily Scobee</b> Mississippi Band of Choctaw Indians		Choctaw Central High School/Choctaw, MS/Madison Central High/St. Louis University	2015 (Rising HS Senior)	A Putative Influence of Halide Ions on Collagen IV Expression and Recovery	Senior at St. Louis University
<b>Arrow Scott</b> Muskogee Creek		Choctaw Central High School/Choctaw, MS	2017 (Rising HS Junior)	NC1 domain of type IV collagen as a potential therapeutic inhibitor of fibrosis/Elena Pokidysheva, Ph.D.	Graduated HS in 2019/Engineering

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<b>Nicklaus Shumake</b> Mississippi Band of Choctaw Indians		Choctaw Central High School/ Carthage, MS/ University of Southern Mississippi	2013 (Rising College Freshman)	Mechanism of Collagen IV Assembly/ Vadim Pedchenko, Ph.D.	Graduated in 2018 with BS in Liberal Study and minor in Biology/Environmental Administrator for Office of Environmental Protection MCBI
<b>Jaeden Sockbeson</b>		John Bapst High School/Bangor, Maine	2021 (Rising Senior)	Urine Metabolomics in Mice and NMR Studies/Paul Voziyan, Ph.D. and Donald Stec, Ph.D.	N.A./Physician
<b>Searra Blyss Wilson</b> Mississippi Band of Choctaw Indians		Choctaw Central High School/Choctaw, MS/East Central Community College	2015 (Rising HS Senior)	Differential expression of oxidative stress response genes in Nematostella vectensis during wound healing.	Graduated with AA in 2019
<b>Will Martin</b> Poarch Band of Creek Indians		Spanish Fort High School/Spanish Fort, AL/ University of Alabama at Tuscaloosa/Wake Forest Baptist Health	2013 (Rising College Sophomore)	The Effects of Prolonged Albumin Exposure on Proximal Tubule Cells/Leslie Gewin, M.D.	Graduated Medical School in 2020/ Started Residency in Anesthesiology in 2020