

ASU Future of Forensic
Science Initiative
Arizona State University

Arizona State University's FFSI faculty affiliates (N=13, one of whom is a PluS Alliance partner; representing 6 schools and the scientific disciplines of anthropology, engineering, biology, statistics, entomology, psychology, chemistry, isotope geochemistry, & genetics) will be presenting their research at the 2023 American Academy of Forensic Sciences 75th Anniversary Conference in Orlando, Florida (February 13-18, 2023). [Full program is here](#). Below is a table with names of ASU's FFSI faculty affiliates highlighted, with many students and collaborators helping to represent the richness of ASU's involvement in interdisciplinary forensics. We are looking forward to connecting with each other and many others (including you if you are attending!) at AAFS.

	Title	Authors	When
A4	Establishing a Skeletal Atlas of Elder Abuse: An Expanded Study of Fracture Patterns in Documented Cases	Katelyn Bolhofner, PhD*, Arizona State University, Glendale, AZ Laura Fulginiti, PhD, Maricopa County Medical Examiner Jane Buikstra, PhD, Arizona State University, Tempe, AZ	11:30 - 1 Weds
A43	Microscopic Characteristics of Peri- and Postmortem Fracture Surfaces	Jessica Skinner, PhD*, Mayo Clinic Foundation Scottsdale, AZ Natalie Langley, PhD, Mayo Clinic, Scottsdale, AZ Yuktha Shanavas, BS, Mayo Clinic, Scottsdale, AZ Brian Waletzki, BS, Mayo Clinic, Rochester, MN Robert Brown, BS, Mayo Clinic, Rochester, MN Jim Herrick, MS, Mayo Clinic, Rochester, MN Peter Goguen, Arizona State University, Peoria, AZ Loukham Shyamsunder, PhD, Arizona State University Subramaniam Rajan, PhD, Arizona State University, Tempe, AZ	2 - 2:15 Thurs
A44	Distinguishing Between Peri- and Postmortem Fractures to Bone in the Sonoran Desert	Marlen Juarez Lopez, BS*, Arizona State University Kaitlyn Fulp, MA, Arizona State University Katelyn Bolhofner, PhD, Arizona State University, Glendale AZ	2:15 – 2:30 Thurs
A46	Reference Materials for Stable Isotope Analysis of Bone: Current Availability and Needs	Julianne Sarancha, MS*, Arizona State University, Tempe, AZ Gwyneth Gordon, PhD, Arizona State University, Tempe, AZ	3-3:15 Thurs
A124	Decomposition in the Desert: An Examination	Mia Spanyers, BS, UT at Austin, Pflugerville, TX;	11:30 - 1

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	of the Relationship Between Exposure to Ultraviolet Radiation and the Process of Decomposition	Kaitlyn Fulp, MA*, Arizona State University, Scottsdale, AZ Katelyn Bolhofner, PhD, Arizona State University, Glendale, AZ	Fri
B32	Dating Crime Evidence with Microbes: The Ideal Forensic Clock?	Josep De Alcaraz-Fossoul, PhD*, University of New Haven, West Haven, CT Yue Wang, PhD, Arizona State University, Glendale, AZ Ruoqian Liu, MS, Arizona State University, Phoenix, AZ Michelle Mancenido, PhD, ASU, Phoenix, AZ Pamela Marshall, PhD, Arizona State University, Glendale, AZ Celeste Núñez, BS, Arizona State University, Tucson, AZ Jennifer Broatch, PhD, Arizona State University, Glendale, AZ Lara Ferry, PhD, Arizona State University, Glendale, AZ	11:30 - 1 Weds
B93	Maximum DNA Recovery from Cold Case Victims Using Ancient and Forensic DNA Extraction Methods	Erin Rawls, BS*, Arizona State University, Tempe, AZ Amber Coffman, BS, Arizona State University, Queen Creek, AZ Cody Parker, PhD, Arizona State University, Gilbert, AZ Laura Fulginiti, PhD, Forensic Science Center, Phoenix, AZ Anne Stone, PhD, Arizona State University, Tempe, AZ Matthew Emery, PhD, Binghamton University, Endicott, NY Jane Buikstra, PhD, Arizona State University, Tempe, AZ Amanda Wissler, PhD, University of South Carolina, Cleveland Heights, OH Robert Oldt, BS, Arizona State University, Glendale, AZ Sreetharan Kanthaswamy, PhD, ASU, Glendale, AZ Stevie Winingear, MA, Arizona State University, Tempe, AZ	11:30 - 1 Thurs
B137	The Application of Ancient DNA Methodologies to Badly Burned Forensic Samples and Their Potential to Aid in the Identification and Analysis of Difficult Samples	Cody Parker, PhD*, Arizona State University, Gilbert, AZ Erin Rawls, BS, Arizona State University, Tempe, AZ Amber Coffman, BS, Arizona State University, Queen Creek, AZ Katelyn Bolhofner, PhD, Arizona State University, Glendale, AZ Laura Fulginiti, PhD, Maricopa Medical Examiner, Phoenix, AZ Giovanna Vidoli, PhD, Forensic Anthropology Center, The University of Tennessee, Knoxville, Knoxville, TN Joanne Devlin, PhD, The University of Tennessee, Knoxville, TN Robert Oldt, BS, Arizona State University, Glendale, AZ	1:15 - 1:30 Fri

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		Sreetharan Kanthaswamy, PhD, ASU Anne Stone, PhD, Arizona State University, Tempe, AZ	
B163	Sourcing Glass Traces on Bullets as Additional Evidence for Shooting Reconstruction	Crystal Rosales, BS*, Arizona State University, Phoenix, AZ Gwyneth Gordon, PhD, Arizona State University, Tempe, AZ Kyle Mueller, MS, Phoenix Police Department/Laboratory Services Bureau, Phoenix, AZ Maia Nguyen, MPS, Phoenix Police Department/Laboratory Services Bureau, Phoenix, AZ Shirly Montero, PhD, Arizona State University, Phoenix, AZ	11:45-12 Friday
I38	Identifying Stress Factors and Related Coping Mechanisms Among Forensic Pathologists	Danielle Morgan, MD*, New You Aesthetics Center, Gilbert, AZ Katelyn Bolhofner, PhD, Arizona State University, Glendale, AZ	1:30-1:45 Thurs
I77	A Non-Destructive DNA Extraction Technique for Application on Insect Puparia (Diptera: Calliphoridae)	Sydnee Wedel, BSc*, Arizona State University, Glendale, AZ Jonathan Parrott, PhD*, Arizona State University, Glendale, AZ	8-8:15 Friday
I81	Decomposition in the Desert: An Analysis of Initial Insect Activity on Swine Remains	Lauren Weidner, PhD*, Arizona State University, Glendale, AZ	9-9:15 Friday
J10	The Eight Best Practices to Improve Forensic Psychological Assessment	Tess Neal, PhD*, Arizona State University, Glendale, AZ Kristy Martire, PhD*, University of New South Wales, Sydney Australia, Sydney NSW, Australia (an ASU PluS Alliance Partner and FFSI faculty affiliate) Randy Otto, PhD, University of South Florida, Tampa, FL	2:45-3:15 Thurs