

Angel J. Sheu

303-264-7402

Angel.Sheu@tcu.edu

EDUCATION

Anne Burnett Marion School of Medicine at Texas Christian University - Fort Worth, TX
Doctor of Medicine
Expected Graduation May 2027

University of Pennsylvania, Pennsylvania, PA
Post-Baccalaureate in Pre-Health
June 2022

Denver Health Paramedic School, Denver, CO
Denver Health Hospital & Authority
June 2020

University of Denver, Denver, CO
Bachelor of Science in Biochemistry
Minors in Mathematics, Chemistry, and Biological Sciences
June 2019

HONORS AND AWARDS

Novel Research Award

"Exploring Electrodermal Activity as a Non-Invasive Marker of Sedation Depth"
Texas Society of Anesthesiologists Annual Meeting 2025

First Place in Oral Presentation

"Robot Assisted Versus Freehand Pedicle Screw Placement in Lumbar Screw Fusion"
F1 Doctors Research Symposium 2025

Pillar of University Leadership Award

Texas Christian University

Service Legacy Award Nominee

Texas Christian University

Microbiology Cup Award 2024

Burnett School of Medicine

Pulmonary Medals Game Award 2024

Burnett School of Medicine

Neurology Medals Game Award 2024

Burnett School of Medicine

Medical Education Solutions Hackathon Award 2024

Innovation in Medicine Group at the Burnett School of Medicine

Dr. Mary Edwards Walker Award for Service Nominee 2025

American Medical Women's Association

Pre-Health Specialized Studies Award 2022

University of Pennsylvania

Denver Fund Boundless Opportunity Scholarship 2019

Denver Health Hospital & Authority

University of Denver Outstanding Student Award Nominee 2019

University of Denver

Research Award 2019

University of Denver Department of Psychology

RESEARCH EXPERIENCE

TCU School of Medicine Senior Project and Thesis

June 2023-May 2027

The Impact of Naloxone Trainings on Opioid Overdoses

Studied the effect of Naloxone trainings on the effectiveness of the response and how trainings could be improved.

PRESENTATIONS

Sheu A, Bourmand R. Robot-assisted versus freehand pedicle screw placement in lumbar spinal fusion: A systematic review and meta-analysis. Oral presentation at: F-1 Doctors Research Symposium; December 6, 2025 (Awarded first-place in oral presentations)

Sheu A, Bourmand R. Prehospital sodium bicarbonate administration during cardiac arrest: A scoping review. Poster presented at: UCLA Prehospital Care Research Forum International Scientific EMS Symposium; October 20–24, 2025; Indianapolis, IN.

Sheu A, Yamashita L, Breville G, Berdynaj B, Teoldi S, Thebault S, Gastaldi G, Seebach J, Efficacy and Tolerance of Glucocorticoid Monotherapy versus Glucocorticoids Combined with Adjunctive Immunosuppressive Therapy in Systemic Lupus Erythematosus: A Retrospective Cohort Study. Poster presented at: John Peter Smith Research Symposium, May 21, 2024

Sheu A, Bourmand R, DiFiore E. Monitoring longitudinal public interest in opioid risk and response: fentanyl vs Narcan vs naloxone-public search patterns. Oral presentation presented at: Inaugural Collaborative Advancements in Research and Education Conference; October 18, 2025; Dallas, TX.

Sheu A, Bourmand R. Racial disparities in pulse oximetry accuracy: The impact of skin pigmentation on oxygen saturation measurements. Poster presented at: RMEC Research Symposium; November 8, 2025; Colorado, USA.

Sheu A, Bourmand R. Exploring electrodermal activity as a non-invasive marker of sedation depth: a comparison between awake and propofol-sedated states. Oral presentation presented at: Texas Society of Anesthesiologists Annual Meeting; September 6, 2025; San Antonio, TX. (Awarded third-place presentation in novel research)

Sheu A, Crow C, Bonnell R, The Impact of Naloxone Trainings on Opioid Overdoses. Poster presented at: AMA Research Challenge; October 22nd, 2025; Virtual Symposium.

Yamashita L, Kim J, **Sheu A**, Berdynaj B, Teoldi S, Thebault S, Gastaldia G, Seebach J, Impact of Immunosuppression on Relapse and Steroid Burden in Giant Cell Arteritis and Polymyalgia Rheumatica: A Retrospective Cohort Study. Presented at American College of Rheumatology; March 25, 2025;

Bourmand R, **Sheu A**, Kouo T, Olsson SE, Gerhart C. The cost of the ride: Medicare ambulance use and reimbursement trends (2001-2021). Poster presented at: National Student Research Forum at UT Medical Branch. April 2025; Galveston, TX.

Bourmand R, **Sheu A**, Kouo T, Olsson SE, Ferguson J. Improving access to cardiac care: Medicare reimbursement and utilization trends in diagnostic procedures for surgical decision-making. Poster presented at: American College of Surgeons Quality and Safety Conference; July 17–20, 2025; San Diego, CA.

Bourmand R, **Sheu A**, Kouo T. Vascular surgery in the age of baby boomers: shifting trends in procedures and Medicare reimbursement. Poster presented at: American College of Surgeons Quality and Safety Conference; July 17–20, 2025; San Diego, CA.

Sheu A, Bourmand R, DiFiore E. Monitoring longitudinal public interest in opioid risk and response: fentanyl vs Narcan vs naloxone-public search patterns. Poster presented at: American Medical Association Annual Meeting; June 6–11, 2025; Chicago, IL.

Bourmand R, Shah A, **Sheu A**, Soundharrajan R, Olsson S. Septoplasty on TikTok: evaluating the accuracy, quality, and engagement of user-generated content. Oral presentation presented at: Western Surgical Association Annual Meeting; November 2025; Scottsdale, AZ.

Kenney A, **Sheu A**, Cho D, Dafoe P, Nyugen M, Internet and Online Media-Induced Psychotic Disorder: A Scoping Literature Review, poster presented at the John Peter Smith Hospital Research Symposium; May 19 2026, Fort Worth, TX.

Kenny A, **Sheu A**, Le K, Nguyen M, Cannata C, Ismaio Z, Dafoe P, Viral vs. Verifiable: Investigating the Quality of TikTok Health Advice, poster presented at the John Peter Smith Hospital Research Symposium; May 19 2026, Fort Worth, TX.

Morales, J, Jackson S, Dominguez A, Thomas T, Banks T, Baloch F, **Sheu A**, Sreepad B, Fat M, Nguyen T, Rosenbaum C, Furgeron J, The Importance of Dermatological Detection of Xanthomas and Xanthelasma in Pediatric Patients: A Summary of Case Reports, poster presented at the John Peter Smith Hospital Research Symposium; May 14 2025, Fort Worth, TX.

Saleem M, Dougherty N, Cannata C, **Sheu A**, Dafoe P, Kiley M, Wen X, Access, Delivery, and Coordination of Specialty Care in Student-Run Free Clinics: A Narrative Review, poster presented at the John Peter Smith Hospital Research Symposium; May 19 2026, Fort Worth, TX.

Pahlevan S, Dougherty N, Vellani A, Qadir T, Kwado Okraku-Yirenki N, Le K, **Sheu A**, Factors that Affect Adherence to AHA Guidelines for Post-ROSC Care in Patients Following Cardiac Arrest, poster presented at the John Peter Smith Hospital Research Symposium; May 19 2026, Fort Worth, TX.

Sheu A, Bourmand R. A reconceptualization of Maslow: A chronic illness-informed framework for

health-related quality of life. Virtual poster presented at: ISOQOL 32nd Annual Conference; October 22–25, 2025; Milwaukee, WI.

Sheu A, Bourmand R. Beyond the individual: Bronfenbrenner's ecological systems theory as a proxy for understanding pediatric health-related quality of life. Virtual poster presented at: ISOQOL 32nd Annual Conference; October 22–25, 2025; Milwaukee, WI.

Sheu A, Bourmand R. Quality-of-life discounting: A behavioral economics framework for understanding the underutilization of preventive health interventions. Virtual poster presented at: ISOQOL 32nd Annual Conference; October 22–25, 2025; Milwaukee, WI.

Gandhi V, Bajania B, **Sheu A**, Torpey G, Dafoe P, Kenney A, Vu J, Sun A, Wen X, Integrating Next-of-Kin Interviews In Overdose Fatality Reviews to Address Polysubstance Mortality; Poster presented at the John Peter Smith Hospital Research Symposium; May 19 2026, Fort Worth, TX.

Armstrong A, Zabaneh I, **Sheu A**, Dafoe P, Agi Maluli I, Swenson W, Health Effects of Smoke Exposure in Wildland Firefighters: A Narrative Review. Poster presented at the John Peter Smith Hospital Research Symposium; May 19 2026, Fort Worth, TX.

Soogoor N, Shiroya S., Okraku-Yirenkyi N, Falkenberg O, Tripathy S, **Sheu A**, Kurra P, Jeyarajah D. Sathyamoorthy M. (2026). Post-Operative Outcomes of Groin Hernia Repairs in Women: A Contemporary Review. Poster presented at the John Peter Smith Hospital Research Symposium; May 14 2025, Fort Worth, TX.

Shiroya S, Soogoor N, **Sheu A**, Tripathy S, Dafoe P, Natarajan R, Adeyemi A, Metformin's Therapeutic Potential in Contributing Incidence of Dementia, Poster presented at the John Peter Smith Hospital Research Symposium; May 14 2025, Fort Worth, TX.

Morales, J, Jackson S, Dominguez A, Thomas T, Banks T, Baloch F, **Sheu A**, Sreepad B, Fat M, Nguyen T, Oltuli M, Rosenbaum C, Spagma P, Grekin J. The Importance of Dermatological Detection of Xanthomas and Xanthelasma in Pediatric Patients: A Literature Review. Poster presented at the John Peter Smith Hospital Research Symposium; May 14 2025, Fort Worth, TX.

PUBLICATIONS

Sheu A, Bourmand R, DiFiore E. Monitoring longitudinal public interest in opioid risk and response fentanyl vs. Narcan vs. naloxone: public search patterns. *AJE Advances: Research in Epidemiology*. 2026;uuag005. doi:10.1093/ajeadv/uuag005

Soogoor N, Shiroya S., Okraku-Yirenkyi N, Falkenberg O, Tripathy S, **Sheu A**, Kurra P, Jeyarajah D. Sathyamoorthy M. (2026). Post-Operative Outcomes of Groin Hernia Repairs in Women: A Contemporary Review. *Diagnostics*, 16(7), 973. <https://doi.org/10.3390/diagnostics16070973>

Morales, J, Jackson S, Dominguez A, Thomas T, Banks T, Baloch F, **Sheu A**, Sreepad B, Fat M, Nguyen T, Rosenbaum C, Furgeron J, The Importance of Dermatological Detection of Xanthomas and Xanthelasma in Pediatric Patients: A Summary of Case Reports. *Clinical Dermatology and Surgery*. 2. 10.61853/e3vhnt36.

Armstrong A, Zabaneh I, Dafoe P, Agi Maluli I, **Sheu A**, Swenson W, Health Effects of Smoke Exposure in Wildland Firefighters: A Narrative Review. Manuscript submitted for publication to *Atmosphere* 2026.

Morales, J, Jackson S, Dominguez A, Thomas T, Banks T, Baloch F, **Sheu A**, Sreepad B, Fat M, Nguyen T, Oltuli M, Rosenbaum C, Spagma P, Grekin J. The Importance of Dermatological Detection of Xanthomas

and Xanthelasma in Pediatric Patients: A Literature Review. JAAD Reviews. 4.
10.1016/j.jdrv.2025.03.010.

IN SUBMISSION

Bourmand R, Davidson M, **Sheu A**, Fijany A, Liskovets A, Sanchez H, Miller K, Dehesi B, Pekarev M, Timing of Soft-Tissue Reconstruction in Chronic Total Knee Arthroplasty Failure. Manuscript submitted for publication.

Sheu A, Yamashita L, Breville G, Berdynaj B, Teoldi S, Thebault S, Gastaldi G, Seebach J, Efficacy and Tolerance of Glucocorticoid Monotherapy versus Glucocorticoids Combined with Adjunctive Immunosuppressive Therapy in Systemic Lupus Erythematosus: A Retrospective Cohort Study. Manuscript submitted for publication to Frontiers.

Yamashita L, Kim J, **Sheu A**, Berdynaj B, Teoldi S, Thebault S, Gastaldi G, Seebach J, Impact of Immunosuppression on Relapse and Steroid Burden in Giant Cell Arteritis and Polymyalgia Rheumatica: A Retrospective Cohort Study. Manuscript submitted for publication to Clinical Immunology.

Whitney E, Padget A, **Sheu A**, & Goff D. (2026). Factors Associated with Age at Attention-Deficit/Hyperactivity Disorder Diagnosis in a Pediatric Primary Care Population. Manuscript submitted for publication.

Bourmand R, Shah A, **Sheu A**, Soundharrajan R, Olsson S. Septoplasty on TikTok: evaluating the accuracy, quality, and engagement of user-generated content. Manuscript submitted for publication to JMIR Formative Research. 2026.

LEADERSHIP AND SERVICE EXPERIENCE

Street Medicine Group-President

Burnett School of Medicine
June 2025-Current

Street Medicine Group-Board Member

Burnett School of Medicine
June 2023-Current

Street Medicine Group-Education Coordinator

Burnett School of Medicine
June 2023-Current

American Women Surgeons Group-Vice President

Burnett School of Medicine
June 2025-Current

American Women Surgeons Group -Mentorship Chair

Burnett School of Medicine
June 2025-Current

Texas Medical Association/American Medical Association-Resolutions Committee

June 2023-Current

Anesthesiology Group-Board Member

Burnett School of Medicine

June 2025-Current

Policy Analysis-Representative

Burnett School of Medicine

June 2023-Current

American Medical Women's Association-Mentor

Burnett School of Medicine

June 2023-Current

Rising Doctors Association-Mentor

Burnett School of Medicine

June 2023-Current

Underdocs Association-Mentor

Burnett School of Medicine

June 2023-Current

Action Wellness-Volunteer

Action Wellness Association

January 2022-Current

Girl Scouts-Project Mentor

Girl Scouts of USA

January 2024-Current

WORK EXPERIENCE

Paramedic

Event Medical Specialists

April 2019-Current