

CURRICULUM VITAE

NAME: *Darinka Mileusnic-Polchan, M.D, Ph.D.*

EDUCATION:

Undergraduate:

Not Applicable.

Graduate/Medical School:

Medical School, University of Rijeka, Rijeka, Croatia, 9/1981 - 11/1986

Postgraduate:

Postgraduate Study in Clinical Pharmacology, Medical School, University of Rijeka, Rijeka, Croatia, 9/1988 - 9/1990

Neuroscience Graduate Program, Loyola University Graduate School, Maywood, Illinois, 8/1992 - 8/1999

Internship:

Department of Internal Medicine Clinical Center, University of Rijeka, Rijeka, Croatia, 1/1986 - 3/1987

Institute for Mother and Child, University of Belgrade, former Yugoslavia, 3/1987 - 7/1987

Residency:

Anatomic Pathology/Neuropathology, Department of Pathology, Loyola University Medical Center, Maywood, Illinois, 7/1995 - 7/1998

Fellowship:

Forensic Pathology, Office of the Medical Examiner, Chicago, Cook County, Illinois, 8/1998 - 8/1999

HONORS AND DELEGATE NOMINATIONS:

Delegate to the Tennessee Medical Association House of Delegates Representing Knoxville Academy of Medicine and Region 7, 2018 – Present.

Member of HIDTA (High Intensity Drug Trafficking Area) Task Force of the Year: 2018
Tennessee Drug Related Death Task Force, awarded by Appalachian HIDTA, 02/2019.

Scholarship, Neuroscience Graduate Program, Loyola University Graduate School, 8/1992 - 6/1995.

Scholarship Award for Italian Language Studies, Centro Culturale e Linguistico, Rimini, Italy, 7/1991.

Scholarship Award for Master's Degree in Clinical Pharmacology, Medical School University of Rijeka, Croatia, 9/1988 - 9/1990.

Merit Award as Top-Ranking Student Class of 1986, Medical School University of Rijeka, Croatia, 9/1984 - 9/1985.

BOARD CERTIFICATION:

American Board of Pathology Certification in Anatomic Pathology, 10/2000

American Board of Pathology Certification in Forensic Pathology 9/2001

MEDICAL LICENSURE:

State of Illinois Medical License (inactive) 7/1995

State of Tennessee Medical License (active) 5/2002

SOCIETY MEMBERSHIPS:

American Academy of Forensic Science since 01/1999

National Association of Medical Examiners since 01/1999

College of American Pathologists 1996-2023

American Society of Clinical Pathologists since 01/1996

Knoxville Academy of Medicine since 09/2002

Tennessee Medical Association since 09/2002

UNIVERSITY/ACADEMIC APPOINTMENTS:

Teaching Appointment, Neuroanatomy and Neuroscience, Lincoln Memorial University, School of Dentistry, Knoxville, Tennessee, 2023.

Clinical Associate Professor of Pathology, Department of Pathology and Laboratory Medicine, Graduate School of Medicine, University of Tennessee, Knoxville, 12/2013 – present.

Adjunct Professor of Anthropology, University of Tennessee, Knoxville, 7/2007 – 12/2013.

Associate Professor of Pathology University of Tennessee Medical Center, Knoxville, 7/2007 - 12/2013.

Assistant Professor of Pathology University of Tennessee Medical Center, Knoxville, 6/2002 - 7/2007.

Assistant Professor of Pathology Stritch School of Medicine, Loyola University Medical Center, Chicago, Illinois, 7/2001 - 6/2002.

Teacher's Assistant in Neuroscience Stritch School of Medicine, Loyola University Medical Center, Chicago, Illinois, 9/1994 - 09/1995.

Assistant Professor of Pharmacology, Medical School, University of Rijeka, Croatia, 7/1987 - 9/1991.

Teacher's Assistant in Pharmacology, Medical School, University of Rijeka, Croatia, 9/1983 - 11/1986.

HOSPITAL/CLINICAL APPOINTMENTS:

Clinical Appointment and Contracted Autopsy Service, University of Tennessee Memorial Hospital, Knoxville, Tennessee, 12/2013 – present.

Active Medical Staff, the University of Tennessee Medical Center, Knoxville, Tennessee, 6/2002 – 12/2013.

Director of Autopsy Service for Regional Forensic Center and University of Tennessee Medical Center, Knoxville, Tennessee, 7/2004 – 7/2011.

PRACTICE/PROFESSIONAL EXPERIENCE:

Chief Medical Examiner, Knox County Office of the Medical Examiner, Knoxville, Tennessee, 5/2008 – present.

Chief Medical Examiner, Anderson County, Tennessee, 7/2008 – present.

Acting Chief Medical Examiner, Knox County Office of the Medical Examiner, Knoxville, Tennessee, 1/2008 - 5/2008.

Assistant Chief Medical Examiner, Knox County Office of the Medical Examiner, Knoxville, Tennessee, 6/2002 - 1/2008.

Assistant Medical Examiner, Cook County Office of the Medical Examiner, Chicago, Illinois, 8/1999 - 5/2002.

ACCREDITATION:

Four Consecutive Cycles of Four-Year (Formerly Five-Year) Accreditation of the Knox County Regional Forensic Center by the National Association of Medical Examiners, 7/2010 – present (valid until 2028).

COMMITTEES AND OFFICES HELD, PROFESSIONAL:

Appointed Licensed Physician Member of the Medical Cannabis Commission by Lt. Governor Randy McNally; Sworn in June 9, 2023; Two Year Appointment, Nashville, Tennessee.

Member of the Educational Committee, Tennessee Medical Association, Nashville, Tennessee, 8/2022 – present.

Member of the Board of Trustees/Board of Governors, Knoxville Academy of Medicine, 2018 – present.

Founding Member of the Knox County Overdose Fatality Review Team Sponsored by Knox County Department of Health, Knoxville, Tennessee, 12/2020 – present.

Founding Member of Domestic Abuse Review Team Sponsored by Knox County Attorney General, Office of Knox County Mayor, and Knox County Department of Health, Knoxville, Tennessee, 1/2022.

Member of the National Association of Medical Examiners Standards Committee, 2018 - 2021.

Member of the National Association of Medical Examiners Strategic Planning Committee, 2016 - 2021.

DEA 360 Steering Committee Member, Drug Enforcement Agency Knoxville Resident Office, 2018 – present.

Community Leader's Roundtable Participant with the Surgeon General Vivek H. Murthy, MD, University of Tennessee Medical Center, Heart Hospital Conference Center, Knoxville, 6/2016.

Member of the Alliance for Substance Abuse Prevention of Anderson County, Oak Ridge, Tennessee, 2015 - 2020.

Member of the Advisory Committee for the Metropolitan Drug Coalition, Knoxville, Tennessee, 2013 - present.

Chair of the Tennessee Medical Examiner Advisory Council, Nashville, Tennessee, 2019-2022; Member of the Tennessee Medical Examiner Advisory Council, Nashville, Tennessee, 9/2012 - present.

Member of the Child Fatality Review Team, Tennessee Department of Health, East Tennessee Division, Clinton, Tennessee, 1/2010 - present.

Member of the Performance Improvement Committee, University of Tennessee Medical Center, 2004 - 2012.

Member of the Mass Fatality Planning Committee, State of Tennessee Department of Health, East Tennessee Region, 2011/2012 and 2017/2018.

Member of the Pathology-Biology Scientific Program, Abstract Review Committee and Moderator for Pathology-Biology Section, American Academy of Forensic Sciences 58th Annual Meeting, Seattle, Washington, 2/2006.

Member of the Child Fatality Review Team, Knox County Health Department, Knoxville, Tennessee, 2002 - present.

Member of the National Association of Medical Examiners Ad Hoc Committee on Position Papers, 1999 – 2003.

COMMITTEES AND OFFICES HELD, ACADEMIC:

Member of the Dissertation Committee for Hayden McKee-Zech, MA, a Dissertation Presented for the Doctor of Philosophy Degree: “Assessing the Impacts of End-of-Life Prescription Medications on Blow Fly Larval Development and Postmortem Interval Estimations,” Department of Anthropology, University of Tennessee, Knoxville, Tennessee, 2023.

Member of the Dissertation Committee for Kinsey Stewart, MA, a Dissertation Presented for the Doctor of Philosophy Degree: “(Trans) Gendering the Dead: How Medical Examiners and Coroners Determine and Utilize Sex and Gender in Death Investigations,” Department of Anthropology, University of Tennessee, Knoxville, Tennessee, 04/2022.

Member of the Thesis Committee for Mark Crumpton, DMD, D-ABFO, a Thesis Presented for the Master of Science in Forensic Odontology: “Fetal Age Assessment from Primary Teeth and Long Bones,” Department of Dentistry, University of Tennessee, Graduate School of Medicine, Knoxville, Tennessee, 06/2022.

Member of the Dissertation Committee for Sandy Cridlin, a Dissertation Presented for the Doctor of Philosophy Degree: “Geometric Morphometric and Traditional Morphometric Analyses of Secular Changes in the Craniofacial and Anterior Cranial Base Shapes of Modern Euro-

Americans,” Department of Anthropology, the University of Tennessee, Knoxville, Tennessee, 04/2016.

Member of the Dissertation Committee for Hillary Renee Parsons, a Dissertation Presented for the Doctor of Philosophy Degree: “The Accuracy of the Biological Profile in Casework: An Analysis of Forensic Anthropology Reports in Three Medical Examiners’ Offices,” Department of Anthropology, the University of Tennessee, Knoxville, Tennessee, 7/2016.

Member of the Dissertation Committee for Sean Dale Tallman, a Dissertation Presented for the Doctor of Philosophy Degree: “The Evaluation and Refinement of Nonmetric Sex and Ancestry Assessment Methods in Modern Japanese and Thai Individuals,” Department of Anthropology, the University of Tennessee, Knoxville, Tennessee, 04/2016.

Member of the Dissertation Committee for Shauna L. McNulty, a Dissertation Presented for the Doctor of Philosophy Degree: “An Analysis of Skeletal Trauma Patterning of Accidental and Intentional Injury,” Department of Anthropology, the University of Tennessee, Knoxville, Tennessee, 04/2016.

Member of the Dissertation Committee for Miriam Elizabeth Soto Martinez, a Dissertation Presented for the Doctor of Philosophy Degree: “Quantitative Ultrasound as a Diagnostic Tool in Evaluating Infant Bone Quality,” Department of Anthropology, the University of Tennessee, Knoxville, Tennessee, 10/2015.

Member of the Dissertation Committee for Heli Marja Katriina Maijanen, a Dissertation Presented for the Doctor of Philosophy Degree: “The Prevalence of Pathological Conditions in a Modern Skeletal Collection – Implications to Forensic Anthropology,” Department of Anthropology, the University of Tennessee, Knoxville, Tennessee, 08/2014.

Member of the Dissertation Committee for Rebecca Wilson, a Dissertation Presented for the Doctor of Philosophy Degree: “Paleodemography of the Larson Site (39WW2) Cemetery: How Age-at-Death Methods Influence Model Estimation,” Department of Anthropology, The University of Tennessee, Knoxville, Tennessee, 03/2013.

Member of the Decedent Affair and Death Certification Practices Committee, University of Tennessee Medical Center and Graduate School of Medicine, 04/2012 – 04/2013.

Member of the Search Committee for the Department Chair of Pathology, University of Tennessee Graduate School of Medicine, 5/2011.

Member of the Dissertation Committee for Donna McCarthy, a Dissertation Presented for the Doctor of Philosophy Degree: “Using Biological Evidence to Assess Affinity: A Re-evaluation of Selected Mississippian Sites in East Tennessee,” Department of Anthropology, The University of Tennessee, Knoxville, Tennessee, 03/2011.

Member of the Dissertation Committee for Mariateresa Anne Tersigni, a Dissertation Presented for the Doctor of Philosophy Degree: “Serial Long Bone Histology: Inter- and Intra-

Bone Age Estimation,” Department of Anthropology, the University of Tennessee, Knoxville, Tennessee, 05/2005.

CERTIFICATES AND AWARDS:

Certificate of Completion of John Ingram Institute for Physician Leadership, Tennessee Medical Association, 2022 Physician Leadership Immersion Program, Nashville, Tennessee, 07/2022.

Collaboration of the Year Award by the University of Tennessee Institute for Public Service, in Recognition of the Work on the Outdoor Forensic Training Center, Knoxville, Tennessee, 08/2016.

Appreciation Award by the Blount County, Tennessee Sister City, for Support and Leadership for the Open World Leadership Center’s Sponsored “Rule of Law Program” for the Republic of Georgia Delegation, Knoxville, Tennessee, 05/2016.

Certificate of Completion of MS Publisher 2010, Knox County Government, Knoxville, Tennessee, 05/2016

Certificate of Completion of MS Excel 2013, Level 1, Knox County Government, Knoxville, Tennessee, 04/2016.

Certificate of Completion of Eight-Hour Course AWR-232 Mass Fatalities Planning and Response for Rural Communities, Developed by Rural Domestic Preparedness Consortium, Northwest Arkansas Community College and United States Department of Homeland Security, Federal Emergency Management Agency, Knoxville, Tennessee, 04/2016.

Certificate of Completion of Eight-Hour DOT Refresher Course (Certificate IP0315168DR 16), the University of Tennessee Center for Industrial Services and the University of Tennessee Institute for Public Services, Knoxville, Tennessee, 03/2016.

Certificates of Completion of FEMA Incident Command System Courses for ICS-100, ICS-200, ICS-700 and ICS-800, 2015.

The Center for Forensic Science, Research and Education, Certificate of Attendance of Webinar: “Postmortem Redistribution of Drugs,” 04/2013.

Commendation for Exemplary Service Presented by the District Attorney General, 8th Judicial District, State of Tennessee, LaFollette, Tennessee, 11/2010.

Certificate of Completion of the Advanced HAZMAT Life Support Course, Knox County Health Department, Administered by AHLS International Office, Knoxville, Tennessee, 10/2008.

Certification of Completion of the Mass Fatalities Incident Response Planning Course, the National Mass Fatalities Institute, Oak Ridge, Tennessee, 09/2007.

RESEARCH AND OTHER EXTERNAL SUPPORT:

Forensic Odontology Fellowship Faculty in Collaboration with School of Dentistry, Lincoln Memorial University, Knoxville, Tennessee, 2022 – present.

Forensic Odontology Fellowship Faculty in Collaboration with Department of General Dentistry, Graduate School of Medicine, University of Tennessee Medical Center, Knoxville, Tennessee, 2014 – 2021.

Postmortem Interval Determination: A Metabolomics / Lipidomics Approach, Submitted to: National Institute of Justice (CFDA 16.560, SL#001059); In Collaboration with Drs. N.R. Shirley, Lincoln Memorial University DeBusk College of Osteopathic Medicine, P. Wood, Lincoln Memorial University DeBusk College of Osteopathic Medicine, and D. Steadman, University of Tennessee Department of Anthropology, 2015.

Collaborative Project, Department of Pathology, University of Tennessee Medical Center and Department of Anthropology (Murray Marks, Ph.D.), University of Tennessee: Fetal Osteology Project, 2006 - 2010.

Collaborative Project, Knox County Regional Forensic Center and University of Tennessee, Graduate School of Medicine, Department of General Dentistry (Murray Marks, Ph.D.): Bone Healing in Child Abuse, 2005 - present.

Collaborative Project, Knox County Regional Forensic Center and University of Tennessee, Graduate School of Medicine, Department of General Dentistry (Murray Marks, Ph.D.): Histological Evaluation of Postmortem Changes in Human Soft Tissues, 2004 - 2014.

Collaborative Project, Cook County Office of the Medical Examiner and Northwestern University, Department of Psychology: Prediction of Violent Crime among Juvenile Delinquents, a Longitudinal Study, 2001 - 2002.

Collaborative Project, Cook County Office of the Medical Examiner and Loyola University Medical Center, Department of Pathology: Molecular Pathology of Myocarditis in Cases of Sudden, Unexpected Death, 2001 - 2002.

Collaborative Project, Cook Co. Office of the Medical Examiner and Northwestern University, Department of Immunology: Relationship between Bronchial Asthma and Drugs of Abuse, 2001.

Resident Research Proposal: Escape from p53-Mediated Apoptosis in High-Grade Gliomas, in Collaboration with Dr. J.M. Lee, Department of Pathology, and Drs. E. Melian and C. Scharf from Radiation Oncology, Loyola University Medical Center, 1998.

Loyola University Medical Center and VA Hines Brain Bank Project, under Dr. J.M. Lee's Directorship, 07/1995 -0 7/1998.

SYMPOSIA, PRESENTATIONS, LECTURES AND TEACHING:

The Center for Forensic Science Research and Education, Critical Issues in Certification of Drug Caused and Related Deaths: Novel Drug Trends in Drug Related Deaths 2022–2024. Live Virtual Online Presentation, 05/2025.

VIPs at Seas Educational Conference by Knoxville Academy of Medicine: Medication Overload, Medical Examiner's Perspective, Slide Presentation on Board of the Royal Caribbean, Bahamas, 04/2025.

The Independent Funeral Home Association Annual Meeting: Drug Addiction, Prescription Nation, and Drug Cartels, Slide Presentation, The Edgewater Conference Center, Gatlinburg, Tennessee, 09/2024.

National Institute of Justice (NIJ) Forensic Sciences: Advancing Justice Through Research, Forensic Panel Member Highlighting NIJ Forensic Science Research, University of Tennessee, Knoxville, Tennessee, 12/2023.

Tennessee District Attorneys General Conference: Lethal Weapons, DUI Vehicular Homicide and Crash Reconstruction Course, "Collision Course: Addiction in Prescription Nation – Who Do You Share Your Roads With?" Slide Presentation, Murfreesboro, Tennessee, 06/2023.

National Forensic Academy: "Selected Topics in Death Investigation; Part I: The Role of the Medical Examiner and Medicolegal Death Investigation; Part II: Abusive Head Trauma of Childhood and Its Mimickers, Part III: Ballistic and Sharp Force Injuries, Part IV: Common Mistakes in Forensic Pathology" Slide Presentations, Knoxville, Tennessee, 2011 - present.

LCSO Advanced Homicide Investigation Conference: "Forensic Pathologist's Role and Homicide Investigation" Slide Presentation, Gatlinburg, Tennessee, 05/2023.

East Tennessee Association of Drug and Alcohol Counselors: "War on Drugs Has Been a Long Journey: How Do We Get Back?" Slide Presentation, Gatlinburg, Tennessee, 04/2023.

Office of the State Medical Examiner's Educational and Training JAG Series - Bridging the Gap: Advanced Topics in Death Investigation in Tennessee, "Asphyxial Deaths" Slide Presentation, Walter State Community College, Morristown, Tennessee, 03/2023.

Office of the State Medical Examiner's Educational and Training JAG Series - Bridging the Gap: Advanced Topics in Death Investigation in Tennessee, "Asphyxial Deaths" Slide Presentation, Monroe County Justice Center, Madisonville, Tennessee, 12/2022.

Drug Enforcement Administration Toxicology Testing Program: Tox Talk 2, the University of California San Francisco Clinical Toxicology and Environmental Biomonitoring Laboratory in Collaboration with Knox County Regional Forensic Center: "Tracking Fatal New Synthetic Opioid Overdose Trends: the KCRFC and UCSF CTEB Lab Collaborative Experience," Live Virtual Online Presentation, 10/2022.

Knox County Safe Baby Court: "Special Topics in Forensic Toxicology" Slide Presentation, Knox County Family and Juvenile Court, Knoxville, Tennessee, 08/2022

University of Tennessee Microbiology Club: "Application of Microbiology in Forensic Pathology: Study in Disease and Crime Prevention" Slide Presentation, University of Tennessee Student Union, Knoxville, Tennessee, 04/2022.

Tennessee Initiative for Perinatal Quality Care, Safe to Sleep Learning Sessions: "Medicolegal Investigation of Infant Deaths," WebEx Presentations in Collaboration with Vanderbilt University Medical Center, Neonatology Division, Nashville, Tennessee, 07/2020 and 12/2020.

Department of Clinical Pharmacy and Translational Science, Substance Use Disorder Elective: "Laboratory Testing for Misused Drugs." Slide Presentation at University of Tennessee Health Science Center, Knoxville, Tennessee, 10/2019.

The Regional Healthcare Administrators/Executive Directors Training: "Evolving Opioid Crisis and Health Care Professionals," Slide Presentation at Manorhouse Retirement Community, Knoxville, Tennessee, 10/2019.

Elder Law of East Tennessee, The Investigation of Elder Financial Exploitation and Neglect: "The Role of the Medical Examiner's Office in Elderly Abuse and Neglect Cases," Slide presentation at Frank R. Strang Senior Center, Knoxville, Tennessee, 08/2019.

Cigna, Summit Medical, Cherokee Health, Pain Consultants of East Tennessee, Metro Drug Coalition, and Knoxville Academy of Medicine Sponsored East Tennessee Opioid Conference: "Medical Examiner Update on the Opioid Crisis," Slide Presentation at The Venue, Lenoir City, Knoxville, Tennessee, 04/2019.

Cornerstone of Recovery Spring Training: "Evolving Opioid Crisis and Health Care Professionals' Role," Slide Presentation at Ruby Tuesday Lodge, Maryville, Tennessee, 6/2018 and 03/2019.

National Missing and Unidentified Persons System (NamUs) and Tennessee Homeland Security District 2 Workshop: "Medical Examiners and Unidentified Decedents (UID)" Slide Presentation, Knoxville, Tennessee, 11/2018.

National Forensic Academy: "Selected Topics in Medicolegal Death Investigation; Part I: Pediatric Death Scene Investigation; Part II: Abusive Head Trauma of Childhood and Its Mimickers," Slide Presentation, Knoxville, Tennessee, 03/2018, 05/2018.

Cigna and Covenant Health Sponsored Event: "East Tennessee Opioid Conference," Speaker and Member of the Community Panel, The Venue, Lenoir City, Tennessee, 03/2018.

Ross University School of Medicine Research Day Symposium: "Controversial Topics in Forensic Pathology and Role of Evidence Based Medicine," Slide Presentation, Lincoln Memorial University Knoxville Campus, Knoxville, Tennessee, 01/2018.

Knoxville Academy of Medicine CME Saturday Blitz: "Prescribing Practices with the Chief Medical Examiner," Slide Presentation at the University of Tennessee Medical Center, Knoxville, Tennessee, 12/2017.

Annual In-Service Training for Oak Ridge Police Department: "Forensic Pathologist, Medical Examiner and Law Enforcement Collaboration," Slide Presentation, Oak Ridge, Tennessee, 10/2017.

Forensic Odontology - *All That Remains* Course: "Forensic Pathology, Autopsy and Child Abuse," University of Tennessee Medical Center, Slide Presentation, Knoxville, Tennessee, 08/2017.

Annual In-Service Training for Knoxville Police Department: "Forensic Pathologist, Medical Examiner and Law Enforcement Collaboration," Slide Presentation, Knoxville, Tennessee, 6/2017.

Graduate School of Medicine Capstone Lecture Series: "Physicians and Medical Examiners: Importance of Proper Death Certification and Public Health Surveillance," Slide Presentation, University of Tennessee Medical Center, Knoxville, Tennessee, 03/2017.

Strong Babies, Strong Communities - Collaborative Effort, East Tennessee Commission on Children and Youth and Knox County Health Department: "Infant Death Prevention," Slide Presentation, Bridgewater Convention Center, Knoxville, Tennessee, 08/2016.

East Tennessee Regional Nursing In-service: "Forensic Pathologist Role in Working with Family Members of Deceased Infants," Slide Presentation, Department of Health, East Tennessee Regional Office, Knoxville, Tennessee, 04/2016.

Forensic Odontology for Dental Professional Course: "Forensic Death Investigation and Dental Evidence - Unusual Child Abuse Presentation," Slide Presentation, the University of Tennessee Medical Center, Graduate School of Medicine, Department of General Dentistry, Knoxville, Tennessee, 04/2016.

National Defender Investigator Association (NDIA) Regional Conference: "Abusive Childhood Head Trauma Variants and Mimics," Slide Presentation, Omni William Pen Hotel, Pittsburgh, Pennsylvania, 04/2016.

East Tennessee Child Support Services and Home Visitors Meeting: "Safe Sleep Data for East Tennessee Region," Slide Presentation, East Tennessee Regional Department of Health, Knoxville, Tennessee, 01/2016.

East Tennessee Department of Health, Safe Sleep Initiative: "Working with Family Members of Deceased Infants, Forensic Pathologist Perspective," Slide Presentation, Knox County Health Department, Knoxville, Tennessee, 11/2015.

Tennessee Department of Health and Middle Tennessee State University Collaborative Meeting for First Responders and Medical Examiners: "Prevention through Understanding: Death Scene Investigation of an Unexpected Child Death," Slide Presentation, Marriott, Knoxville, Tennessee, 08/2015.

Tennessee Department of Health and Middle Tennessee State University Collaborative Meeting with Child Death Review Teams, First Responders and Medical Examiners: "DUIDI/SDY: Difficulty in Determining Cause," Slide Presentation, Embassy Suites, Franklin, Tennessee, 05/2015.

Tennessee Department of Health Sponsored Medicolegal Death Investigation Training: "Bridging the Gap in Child Death Investigation," Funding Provided by the Justice Assistance Grant, Knox County Regional Forensic Center, Knoxville, Tennessee, 02/2015, 03/2015 and 04/2015.

The University of Tennessee Medical Center Nursing Grand Rounds: "Safe Sleep Initiative and Medical Examiner's Perspective," Slide Presentation, the University of Tennessee Medical Center, Knoxville, Tennessee, 08/2014.

Smoky Mountain Paralegal Association, "Introduction to Forensic Pathology," Annual Seminar, Slide Presentation, Townsend, Tennessee, 09/2013.

Continuing Education Series for Department of Dentistry: "Postmortem Identification Issues and Oral Trauma," Slide Presentation at the University of Tennessee Medical Center, Knoxville, Tennessee, 07/2013.

Resident Orientation Lecture Series for Incoming Residents: "Death Certification and Public Health," Slide Presentation at the University of Tennessee Medical Center, Knoxville, Tennessee, 7/2012 and 07/2013.

Forensic Pathology Primer, "How Forensic Pathology and Forensic Anthropology Intersect," Outdoor Recovery Course Sponsored by Department of Anthropology, Slide Presentation at the University of Tennessee, Knoxville, Tennessee, 06/2013.

South College Lecture Series in Criminal Justice Program, "Case Studies: Child Death Investigation and Pediatric Blunt Force Head Injuries," Slide Presentation, Knoxville, Tennessee, 05/2013.

Safe Sleep for Tennessee Babies: "Know Your ABC's," Conference Sponsored by Tennessee Department of Health: Practical Approach in Forensic Child Death Investigation, Slide Presentation at the University of Tennessee Conference Center, Knoxville, Tennessee, 12/2012.

11th Annual Kenneth R. Walk, DDS Memorial Lecture: "Forensic Death Investigation and the Dental Evidence - Unusual Child Abuse Presentation," Slide Presentation, Tennessee Academy of General Dentistry of East Tennessee and University of Tennessee, Graduate School of Medicine and Dentistry, Knoxville, Tennessee, 11/2012.

Practice Management Noon Conference for Family Practice Physicians and Residents: "Disease, Crime, Public Health Surveillance and Death Certification," Slide Presentation, University of Tennessee Medical Center and Graduate School of Medicine, Knoxville, Tennessee, 05/2012.

Allies for Substance Abuse Prevention (ASAP) of Anderson County: "Statistics on Drug and Alcohol Related Deaths in Anderson County and East Tennessee," Slide Education, Clinton, Tennessee, 03/2012.

Knoxville Catholic High School: "Drug Related Deaths in School Age Children," Slide Presentation, Knoxville, Tennessee, 03/2012.

Being a Better Clinician: Developing Analytic Thinking in Our Patient Care and Research: "Clinical Setting and Death Certification," Slide Presentation, University of Tennessee Medical Center and Graduate School of Medicine, Knoxville, Tennessee, 02/2012.

Third Annual Regional Forensic Center Conference: "Forensic Connections - Toxicology, Part I and Part II," Slide Presentation, Knoxville, Tennessee, 09/2011.

Knoxville Area Health Information Management Association Annual Meeting, Keynote Speaker: "What Constitutes Medical Examiner Cases," Slide Presentation, Knoxville, Tennessee, 08/2011.

East Tennessee Prescription Drug Summit (Organized by the National Forensic Academy): "Prescription Drug Issues in the United States and Greater Knoxville Area," Slide Presentation, Knoxville, Tennessee, 07/2011.

National Forensic Academy Best Practices Symposium; Case Study: "Christian/Newsom Double Homicide," Nashville, Tennessee, 12/2010.

Tennessee Donor Services Regional Summit: "Collaboration between Medical Examiner's Office, Funeral Homes and Donor Services," Knoxville, Tennessee, 10/2010.

National Forensic Academy: "Selected Topics in Death Investigation; Part I: The Role of the Medical Examiner and Natural Deaths in Adults; Part II: Child Abuse," Slide Presentation, Knoxville, Tennessee, 10/2010.

Second Annual Regional Forensic Center Conference: "Coordination of Death Investigation; Forensic Pathology II: Blunt Force Head Injuries and Child Abuse II," Slide Presentation, Knoxville, Tennessee, 10/2010.

National Forensic Academy, "Selected Topics in Death Investigation: The Role of the Medical Examiner and Natural Deaths in Adults," Slide Presentation, Knoxville, Tennessee, 02/2010.

First Annual Regional Forensic Center Conference: "Coordination of Death Investigation; Forensic Pathology I: Basic Autopsy Service and Child Abuse," Slide Presentation, Knoxville, Tennessee, 10/2009.

Federal Bureau of Investigation Child Abduction Rapid Deployment Team Training Conference: "Forensic Pathology of Trauma," Slide Presentation, Knoxville, Tennessee, 06/2008.

Federal Defender Services of Eastern Tennessee Regional Meeting: "Forensic Pathology Pearls," Slide Presentation, Knoxville, Tennessee, 11/2007.

University of Tennessee Law School and District Attorney General: Advanced Trial Practice Class, Law School's Advocacy Center, Knoxville, Tennessee, 09/2006.

Panel Member and Presenter for Physical Anthropology Session Entitled Working with Family Members of Decedents: A Discussion of Techniques for Forensic Scientists, 58th Annual Meeting, American Academy of Forensic Sciences, Seattle, Washington, 02/2006.

Sevier County Law Enforcement In-service Certification School: "Forensic Pathology Basics," Slide Presentation, Sevierville, Tennessee, 11/2005.

Knoxville Bar Association, Continuing Legal Education: Mock Trial Seminar, Knoxville, Tennessee, 10/2005.

The University of Tennessee Graduate School of Medicine Department of Continuing Medical Education - The 2005 John E. Sullivan, DDS Memorial Endowed Lecture: "Forensic View of Substance Abuse," Slide Presentation, Knoxville, Tennessee, 04/2005.

The University of Tennessee Knoxville, Forensic Anthropology Center and Federal Bureau of Investigation Sponsored Annual Human Remains Recovery School: "Introduction to Forensic Pathology," Slide Presentation, Knoxville, Tennessee, 03/2003; 03/2004; 03/2005.

Forensic Anthropology Lecture Series for Graduate Anthropology Students, "Forensic Pathology Basics: Collaboration between Forensic Pathologists and Forensic Anthropologists," Slide Presentation, University of Tennessee, Knoxville, Tennessee, 08/2004.

The State of Tennessee Annual Public Defender Investigator Training Conference: "Forensic Pathology Basics," Slide Presentation, Glenstone Lodge, Gatlinburg, Tennessee, 10/2003.

Northwestern University, Forensics Professional Development Program: "Asphyxial Deaths," Chicago, Illinois, 04/2002.

Forensic Pathology Workshop at "The Changing Face of Medicine" Student National Medical Association Region II Conference, Oak Brook Marriott, Oak Brook, Illinois, 11/2001.

Series of Lectures on Forensic Pathology and Medicine for Pathology Residents, Loyola University Medical Center, Maywood, Illinois, Scholastic Year 2001/2002

Pathology Grand Rounds for Loyola University Medical Center, Department of Pathology: "An Introduction to Forensic Pathology," Maywood, Illinois, 03/2001.

Human Anatomy and Physiology Society and the Chicago Area Anatomy and Physiology Society Regional Conference: Lecture Entitled "The Disease Process," Slide Presentation, Triton College, River Grove, Illinois, 02/2001.

Forensic Pathology Basics, Lecture Series for 2nd Year Medical Students, Slide Presentation, Loyola University Chicago, Stritch School of Medicine, Maywood, Illinois, 04/2000.

Trial Practice Courses of the Kent Law School I.I.T., Chicago, Illinois, 03/1999, 03/2000.

Trial Practice Course of the Chicago Bar Association, Chicago, Illinois, 02/2000.

Juvenile Law Class, Kent Law School: "Child Abuse and Shaken Baby Syndrome," Chicago, Illinois, 04/2000.

Instructor in Forensic Pathology to Forensic Pathology Residents and to Visiting Medical Students and Resident Physicians at the Cook County Medical Examiner's Office, Chicago, Illinois, 08/1999 – 05/2002.

Illinois Registry of Anatomic Pathology: "Primary Peritoneal Malignant Mixed Müllerian Tumor," Slide Presentation, Chicago, Illinois, 04/1998.

Illinois Registry of Anatomic Pathology: "Congenital Neuroblastoma: Primary Diagnosis in Placenta," Chicago, Illinois, 04/1997.

Illinois Society of Cytology: "Collision Tumors: Diagnosis by Fine Needle Aspiration Biopsy," Chicago, Illinois, 05/1997.

Symposium on Sports Medicine: "Pharmacological and Clinical Implications of Beta Blockers," Crikvenica, Croatia, 06/1989.

ABSTRACTS:

Cochrane, K, Oliver, WR, **Mileusnic-Polchan, D.** The Great Smoky Mountain Wildfires, Platform Presentation, 53rd Annual Meeting, National Association of Medical Examiners, Kansas City, Missouri, 10/2019.

Crumpton, MW, Lewis, JM, **Mileusnic-Polchan, D,** Marks MK. Fetal Maceration and Dental Age, Platform Presentation, 71st Annual Meeting, American Academy of Forensic Sciences, Baltimore, Maryland, 02/2019.

Cochrane, K, Oliver, WR, **Mileusnic-Polchan, D.** Sudden Exertional Death in Two Young Adults with Sick Cell Trait, Poster Presentation, 52nd Annual Meeting, National Association of Medical Examiners, West Palm Beach, Florida, 10/2018.

Mileusnic-Polchan, D. Febrile Seizures and Asphyxial Deaths in Small Children with Hippocampal Microdysgenesis, Platform Presentation, 51st Annual Meeting, National Association of Medical Examiners, Scottsdale, Arizona, 10/2017.

Mileusnic-Polchan, D, Lochmuller, CM, Garavan, F, Oliver, WR. Excited Delirium Deaths Not Involving Police Custody, Platform Presentation, 50th Annual Meeting, National Association of Medical Examiners, Minneapolis, Minnesota, 09/2016.

Smalley, LP, Wilson, OL, Weems, RA, Tabor, MP, **Mileusnic-Polchan, D.** Non-Traditional Forensic Dental Identification, Poster Presentation, 67th Annual Meeting, American Academy of Forensic Sciences, Orlando, Florida, 02/2015.

Marks, MK, Hamilton, MD, **Mileusnic-Polchan, D.** Histopathology and Differential Diagnosis of a Pelvic Calcification, Poster Presentation, 82nd Annual Meeting of American Association of Physical Anthropologists, Knoxville, Tennessee, 04/2013.

Mileusnic-Polchan, D, Fojas, CL, Steadman, DW, Marks, MK. Postmortem Redistribution and Necrokinetics of Amphetamine, Cocaine, Morphine and Oxycodone During Post-Embalming Decomposition, Platform Presentation, 65th Anniversary Meeting, American Academy of Forensic Sciences, Washington DC, 02/2013.

Evans, SR, **Mileusnic-Polchan, D.** Patterns of Breaks in Umbilical Cords by Different Mechanisms, Platform Presentation, Annual Meeting of the National Association of Medical Examiners, Cleveland, Ohio, 10/2010.

Hendrickson, BW, **Mileusnic-Polchan, D.** Polysplenia and Associated Cardiac and Visceral Malformations in a Case of Heterotaxy with Fetal Demise, Poster Presentation, University of Tennessee Medical Center Pathology Resident Research Conference, Knoxville, Tennessee, 06/2010.

Evans, SR, **Mileusnic-Polchan, D.** Patterns of Breaks in Umbilical Cords by Different Mechanisms, Slide Presentation, University of Tennessee Medical Center Pathology Resident Research Conference, Knoxville, Tennessee, 06/2010.

Bethard, JD, Marks, MK, **Mileusnic-Polchan, D.** Aquatic Taphonomy in a Lacustrine Environment: A Case Study from Southeastern Tennessee, Poster Presentation, 61st Annual Meeting, American Academy of Forensic Sciences, Denver, Colorado, 02/2009.

Bruker, CT, Googe, PB, **Mileusnic-Polchan, D.** Acrodermatitis Enteropathica: Is It an Underreported Cause of Morbidity and Mortality in Infancy in The United States? Poster Presentation, University of Tennessee Medical Center Pathology Resident Research Conference, Knoxville, Tennessee, 06/2008.

Zezulak, AC, **Mileusnic-Polchan, D.** A Case Report of Acute Splenic Sequestration Crisis as a Complication of Sickle Cell Anemia, Poster Presentation, University of Tennessee Medical Center Pathology Resident Research Conference, Knoxville, Tennessee, 06/2008.

Mock, AR, Mash, D, **Mileusnic-Polchan, D.** Case Report: Dopaminergic Overdrive in Cocaine-Induced Excited Delirium, Poster Presentation, University of Tennessee Medical Center Pathology Resident Research Conference, Knoxville, Tennessee, 06/2008.

Trammell, LH, Marks, M, Klippel, WE, **Mileusnic-Polchan, D.** Cranial Histomorphology: Species Identification and Age Estimation, Poster Presentation, 60th Annual Meeting, American Academy of Forensic Sciences, Washington DC, 02/2008.

Mock, AR, **Mileusnic-Polchan, D.** Electromuscular Incapacitating Devices in Excited Delirium, Slide Presentation, University of Tennessee Medical Center Pathology Resident Research Conference, Knoxville, Tennessee, 06/2007.

Marks, M, **Mileusnic-Polchan, D.** Histopathology of Antemortem Infant Bone Fracture: Estimation of Time since Insult, Slide Presentation, 59th Annual Meeting, American Academy of Forensic Sciences, San Antonio, Texas, 02/2007.

Marks, M, Tersigni, MA, **Mileusnic-Polchan, D.** Antemortem vs. Perimortem Infant Rib Fracture: The Histological Evidence, Poster Presentation, 58th Annual Meeting, American Academy of Forensic Sciences, Seattle, Washington, 02/2006.

Mileusnic-Polchan, D, O'Connor, S. Child Abuse by Another Child: Can It Happen? Slide Presentation, 57th Annual Meeting, American Academy of Forensic Sciences, New Orleans, Louisiana, 02/2005.

Mileusnic, D, Donoghue, ER. Lucid Interval Revisited: Delayed Onset of Unconsciousness in an Impacted Infant, Slide Presentation, 56th Annual Meeting, American Academy of Forensic Sciences, Dallas, Texas, 02/2004.

Mileusnic, D, Lee, JM. Upregulation of CNS Neurokinin-3 Receptors in Alzheimer's Disease Brain and Following Amyloid- β 25-35 Injections in Young Male Fisher-344 Rats, Slide Presentation, 29th Annual Meeting, Society for Neuroscience, Miami, Florida, 10/1999.

Mileusnic, D, Denton, JS, Donoghue, ER. A Review of 38 Cases of Strangulation for the Year 1996 in Cook County, Illinois, Slide Presentation, 33rd Annual Meeting, National Association of Medical Examiners, Minneapolis, Minnesota, 10/1999.

Mileusnic, D, Lee, JM. Differential Effects of Aging on the Neurokinin B System: Neurons versus Astrocytes, Slide Presentation, 27th Annual Meeting, Society for Neuroscience, New Orleans, Louisiana, 10/1997.

Mileusnic, D, Jensen, J, Pierce, K, Reyes, C. Collision Tumors, Poster Presentation, Southern Medical Association, 91st Scientific Assembly, Charlotte, North Carolina, October 1997 (Abstract Published in Southern Medical Journal 90:S94; 1997.)

Mileusnic, D, Lorens, JB, Lorens, SA, Lee, JM. Characterization of the Neurokinin-3 Receptor in Human Brain, Poster Presentation, Annual Meeting of the American Association of Neuropathology, Vancouver, Canada, 1996.

Mileusnic, D, Magnuson, DJ, Hejna, MJ, Lorens, JB, Lorens, SA, Lee, JM. Neurokinin-3 Receptor Distribution in Rat and Human Brain: An Immunohistochemical Study, Poster Presentation, 25th Annual Meeting, Society for Neuroscience, San Diego, California, 11/1995.

Mileusnic, D, Magnuson, DJ, Lorens, SA, Lee, JM. Preprotachykinin B [Neurokinin B (NKB)] Immunoreactive Neuronal Processes in Human Brain, Poster Presentation, 23rd Annual Meeting, Society for Neuroscience, Washington DC, 11/1993.

Mileusnic, D, Simonic, A. Effects of Nicotine and Lecithin on Spontaneous Motor Activity in Rats, Poster Presentation, Annual Meeting of the Croatian Pharmacological Society, Zagreb, Croatia, 06/1990.

Simonic, A, **Mileusnic, D.** Effects of Physostigmine and Neostigmine on Spontaneous Motor Activity in Rats, Poster Presentation, Annual Meeting of the Croatian Pharmacological Society, Zagreb, Croatia, 06/1990.

PUBLICATIONS, BOOKS AND BOOK CHAPTERS:

Marks, MK, **Mileusnic-Polchan, D.** Location, Recovery, and Excavation of Human Remains for Forensic Testing, Chapter in Forensic Genetic Approaches for Identification of Human Skeletal Remains: Challenges, Best Practices, and Emerging Technologies, First Edition by Angie Ambers, Academic Press, Elsevier, Inc., 2023.

Crumpton, MW, **Mileusnic-Polchan, D,** Lewis, JM, Heidel, RE, Marks MK. Fetal Age Assessment from Primary Teeth and Long Bones, The American Journal of Forensic Medicine and Pathology, 44:42-51; 2023.

Trecki, J, Gerona, RR, Ellison, R, Thomas, C, **Mileusnic-Polchan, D.** *Notes from the Field:* Increased Incidence of Fentanyl-Related Deaths Involving *para*-Fluorofentanyl or

Metonitazene – Knox County, Tennessee, November 2020 – August 2021, Morbidity and Mortality Weekly Report 71: 153-155; 2022.

Marks, MK, Bethard, JD, **Mileusnic-Polchan, D.** Lacustrine Skeletal Taphonomy from Southeastern Tennessee in Case Studies in Forensic Anthropology, First Edition by Heather Garvin and Natalie Langley, CRC Press by Taylor & Francis Group, 2020.

Hawes, A, **Mileusnic-Polchan, D.** Medical Examiners and Manner of Death: How Is a Suicide Determination Made, Tennessee Bar Journal 55: 20-24; 2019.

Marks, MK, Marden, K, **Mileusnic-Polchan, D.** Walsh-Haney, H. Forensic Anthropology in Medico-Legal Death Investigation in Forensic Odontology: Principles and Practice, First Edition by Thomas David and James Lewis, Academic Press by Elsevier, 2018.

Johnson, MD, **Mileusnic-Polchan, D.** Case Report: Alzheimer's Disease with Markedly Elevated Arsenic and Other Metals Masquerading as Organic Brain Syndrome and Affective Disorder, Journal of Neurology and Neurosurgery 2: 116-119; 2015.

Evans, SR, **Mileusnic-Polchan, D.** Patterns of Breaks in Umbilical Cords by Different Mechanisms, American Journal of Forensic Medicine and Pathology 57: 1222-1225; 2012.

Lochmuller, CM, Marks, MK, **Mileusnic-Polchan, D.** Cogswell, SC. Misidentification of a Transverse Occipital Suture as a Persistent Mendosal Suture, Journal of Pediatrics 159: 876-877; 2011.

Marks, MK, Marden, K, **Mileusnic, D.** Forensic Osteology of Child Abuse, Chapter in Hard Evidence: Case Studies in Forensic Anthropology, Second Edition by Dawnie Steadman, Pearson Education, Inc., 12/2008.

Teplin, LA, McClelland, GM, Abram, KM, **Mileusnic, D.** Early Violent Death in Delinquent Youth: A Prospective Longitudinal Study, Pediatrics 115:1586-1593; 2005.

Uschuplich, V, Johnson, M, **Mileusnic, D.** Pathologic Quiz Case: Progressive Fatal Encephalopathy in Immunosuppressed Patient with History of Discoid Lupus Erythematosus, Archives of Pathology and Laboratory Medicine 128:e109-111; 2004.

Denton, JS, **Mileusnic, D.** Delayed, Sudden Death in an Infant Following Accidental Fall: A Case Report with Review of the Literature, The American Journal of Forensic Medicine and Pathology 24:371-376; 2003.

Mileusnic, D. Donoghue, ER, Lifschultz, BD. Pathological Case of the Month: Sudden Death in a Child as a Result of Pancreatitis During Valproic Acid Therapy, Pediatric Pathology and Molecular Medicine 21:477-484; 2002.

Tatum, AJ, **Mileusnic, D.** Lifschultz, BD, Donoghue, ER, Greenberger, PA. Clinical, Pathologic and Toxicologic Findings in Asthma Deaths in Cook County, Illinois, Allergy and Asthma Proceedings 22:285-291; 2001.

Hermann, ME, **Mileusnic, D**, Jorden, M, Kalelkar, MB. Sudden Death in an Eight-Week-Old Infant with Beckwith-Wiedemann Syndrome, *The American Journal of Forensic Medicine and Pathology* 21:276-280; 2000.

Mileusnic, D, Magnuson, DJ, Hejna, MJ, Krause, EJ, Lorens, JB, Lorens, SA, Lee, JM. Neurokinin-3 Receptor Distribution in Rat and Human Brain: An Immunohistochemical Study, *Neuroscience* 89:1269-1290; 1999.

Mileusnic, D, Magnuson, DJ, Hejna, MJ, Lorens, JB, Lorens, SA, Lee, JM. Age and Species Dependent Differences in the Neurokinin B System in Rat and Human Brain, *Neurobiology of Aging* 20:19-35; 1999.

Thomas, C, **Mileusnic, D**, Carey, RB, Kampert, M, Anderson, D. Fatal Chaetomium Cerebritis in a Bone Marrow Transplant Patient, *Human Pathology* 30:874-879; 1999.

Mileusnic, D. Neurokinin B System in the Rat and Human Brain: Interspecies Differences, Effects of Aging and Changes in Alzheimer's Disease. Dissertation Submitted to the Faculty of the Graduate School in Candidacy for the Degree of Doctor of Philosophy, Loyola University, Chicago, Illinois.

COMMUNITY WORK:

Emerging Drugs and Community Impact Roundtable with U.S. Senator Bill Hagerty, Knoxville, Tennessee, 02/2024.

Emergency Medical Services Roundtable with U.S. Senator Marsha Blackburn, Anderson County Criminal Court, Clinton, Tennessee, 06/2023.

Yearly presentation and tour for Knox County Public Defender's Community Law Office Summer Program, 07/2017 – present.

Monthly Forensic Tutorials and Tours of the Knox County Regional Forensic Center for High School and College Students, 01/2014 – present.

Volunteer Work for the Car Safety Committee, Farragut Primary School, Knoxville, Tennessee, 08/2005 – 04/2010.

MEDIA EXPERIENCE:

WBIR Channel 10 News, Inside Tennessee, Panel Discussion Regarding Drug Overdose Trends and the Future of the Knox County Regional Forensic Center, 12/10/2024.

WBIR Channel 10 News, Interview Regarding District Attorney's Report that Explores Overdose Fatality Connections to Criminal Justice System with Emphasis on Fentanyl, 08/01/2022.

WBIR Channel 10 News, Interview on Alarming Rise in Infant Sleep Deaths in East Tennessee, 05/09/2022.

ITV News (British), Interview Regarding Fentanyl Epidemic in the United States, 07/22/2021.

WBIR Channel 10, Discussion of Annual Drug Related Death Report, 06/21/2021.

True Crime Series by CoolFire Productions, Murder Unboxed: 2006 Murder of Christina Eubanks, 02/05/2020.

WBIR Channel 10, "Everyone Deserves a Little Better, Story on Unclaimed Decedents, 10/28/2019.

ABC WATE.com Interview on Opioid Crisis in Tennessee and Knoxville Area, 04/26/2018.

WBIR Channel 10 News, Inside Tennessee, Panel on Opioid Crisis in the Area, 09/30/2016.

Television Appearance in Video Segment with Angie Harmon Aired on Oprah Show 9/27/2010.

Television Appearance: "Sins and Secrets, Knoxville" Season 1, episode 1 on ID Network. Aired 2/17/2011.