

PATHOLOGY/BIOLOGY

Wednesday

Poster Session

11:30 am—1:00 pm	I1	A Forensic Insight Into a Peculiar Case of Autoerotic Asphyxiation Saverio Gualtieri, MD*; Matteo Antonio Sacco, MD*; Maria Cristina Verrina, MD*; Maria Daniela Monterossi, MD; Gioele Grimaldi, MD; Mattia Solano, MD*; Isabella Aquila, MD, PhD*; Giuseppe Chiaravalloti; Santo Gratterer, MD, PhD; Marco Cisa;
11:30 am—1:00 pm	I2	WITHDRAWN
11:30 am—1:00 pm	I3	Drowning in Big Data: An Evidence-Based Forensic Assessment of Lung Weights in Drowning Cases, Modeled on a Database of Over 22,500 Autopsies Johannes Busch, PhD*; Carl Johan Wingren, PhD*
11:30 am—1:00 pm	I4	Incidental Central Pontine Myelinolysis in Chronic Ethanolism: A Case Report Shera Wanner, MD*; Marcus Conley, BS; Jordan Taylor, MD; Christopher Liverman, MD, PhD; Marcus Conley, BS*
11:30 am—1:00 pm	I5	Unexpected Fatal Hemoperitoneum: A Case of Spontaneous Non-Traumatic Omental Hemorrhage Kaylee Fox, DO*; Patrick Lantz, MD
11:30 am—1:00 pm	I6	Living With the Dead: Harris County's Investigations Into Life Alongside the Deceased Bethany Bless, MSc*; Hannah Jarvis, MRCS
11:30 am—1:00 pm	I7	Maternal Deaths Associated With Hyperemesis Gravidarum Titash Biswas, BS*; Tatiana Bihun, MD; Joseph Prahlow, MD
11:30 am—1:00 pm	I8	Nothing Is as It Seems: A Differential Diagnosis Between Postmortem Animal Predation and Caustic Ingestion in a Case of Complex Suicide Cristina Elia, MD*; Elena de Laurentiis, MD*; Tommaso Livieri, MD; Calogero Cuttaia, MD; Francesco Orsini, MD; Raffaele Cirillo, MD*; Alessandro Santurro, MD, PhD*; Roberta Bibbò, MD; Chiara Fabrello, MD
11:30 am—1:00 pm	I9	Opioid-Induced Constipation With Massive Colonic Dilation and Stercoral Colitis: A Rare Autopsy Finding in Fentanyl Overdose Afifa Bhutta, MD*; John Hu, MD, PhD; Andrea Oeinck, DO
11:30 am—1:00 pm	I10	Tracing the Ear to the Heart: Frank's Sign as a Forensic Marker in 14 Years of Autopsy-Based Cardiac Deaths Enrica Macorano, MD*; Francesco Introna, MD
11:30 am—1:00 pm	I11	CDT and Alcohol Abuse: A Metabolomic Perspective Alberto Chighine, MD, PhD*; Emanuela Locci, PhD; Giacomo Musile, PhD; Franco Tagliaro, MD, PhD; Ernesto d'Aloja, MD, PhD; Nadia Porpiglia, PhD
11:30 am—1:00 pm	I12	On Thin Ice: The Frozen Facts Jacob Teigen, BA*; Grace Blair, BS; Susan Roe, MD; Selly Strauch, MD; Wai Szeto, MD
11:30 am—1:00 pm	I13	Estimating the Minimum Postmortem Interval: The Role of Forensic Entomology in Outdoor Cases in Central Italy Luca Manelli, PhD; Marcello Seligardi, MD*; Valentina Bugelli, MD, PhD; Sara Bortolini, PhD

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11:30 am—1:00 pm	I14	Identifying the Transition From Antemortem to Postmortem Odor in Cadavers in an Outdoor Environment Darshil Patel, PhD*; Wesley Burr, PhD; Shari Forbes, PhD; Benoit Daoust, PhD
11:30 am—1:00 pm	I15	The Diagnostic Value of Tissue Detection of Aquatic Bacteria (<i>Aeromonas</i> and <i>Vibrio</i>) in Death by Drowning by PCR and the Metagenomic Approach Claire Villard, MD*; Mylène Toubiana, PhD; Estelle Jumas-Bilak, MD, PhD; Pierre-Antoine Peyron, MD, PhD
11:30 am—1:00 pm	I16	The Impact of Substance Use Disorders on Postmortem Microbiome Signatures Christina Harris, BS*; Olivia Willoughby, BS; Gulnaz Javan, PhD; Silvia Visonà, MD, PhD
11:30 am—1:00 pm	I17	Tissue-Specific Protein Degradation in Human Autopsy Cases: A Comparative Study for Postmortem Interval Estimation Laura Flachberger, MSc; Stefan Pittner, PhD; Fabio Monticelli, PhD; Peter Steinbacher, PhD*
11:30 am—1:00 pm	I18	A Novel Approach to Estimate the Postmortem Submersion Interval Using Barnacles and Drift Trajectories: A Mediterranean Study Beatrice Spadaro, MD*; Anna Messina, MD; Daniela Sapienza, PhD; Elvira Ventura Spagnolo, MD; Roberta Somma, PhD; Salvatore Giacobbe, PhD
11:30 am—1:00 pm	I19	Body Fluid Proteomics of DNA Extraction Waste Products Daniella Corene Luistro, MSFS*; Glendon Parker, PhD; Kyle Burk, MS
11:30 am—1:00 pm	I20	Forensic Botany in Postmortem Interval Estimation: The Current State and Future Perspectives Alessandro Pasquale Tarallo, MD*; Matteo Antonio Sacco, MD*; Maria Cristina Verrina, MD*; Luca Calanna, MD; Jasmine Calafiore, MD; Chiara Caruso, MD; Isabella Aquila, MD, PhD*; Aida Iaconetta
11:30 am—1:00 pm	I21	Determining the Utility of Radio Frequency Identification (RFID) Technology for Disaster Victim Identification (DVI) Makena McLean; Vienna Lam, MA; Megan Bassendale, MSc*; Gail Anderson, PhD
11:30 am—1:00 pm	I22	<i>Lucilia Coeruleiviridis</i> (<i>Diptera: Calliphoridae</i>) as a Primary Blow Fly on Carrion in East Alabama Kianna Harris, BSc; Gulnaz Javan, PhD; Jonathan Parrott, PhD*
11:30 am—1:00 pm	I23	Resource Quality and Its Effects on the Developmental Stages in <i>Dermestes Maculatus</i>: Implications for Postmortem Interval Estimations Maria Zamora*; Jennifer Rosati, PhD
11:30 am—1:00 pm	I24	Shifting Sands: A Longitudinal Study of Changes in Soil Microbial DNA in Relocated Remains in a Desert Environment Katelyn Bolhofner, PhD; Pamela Marshall, PhD*

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11:30 am—1:00 pm	I25	Dissecting Disparity: Jurisdictional Challenges to Sudden Cardiac Death Surveillance in the Balkans Djordje Alempijevic, PhD*; Davide Radaelli, PhD; Stefano D'Errico, PhD; Tijana Petrovic, PhD
11:30 am—1:00 pm	I26	Pancarditis With Concurrent Metastatic Adenocarcinoma of the Colon: A Case Report and Review of the Literature Mira Basuino, DO*; Neil Haycocks, MD, PhD
11:30 am—1:00 pm	I27	Sudden Death Due to Arrhythmogenic Mitral Valve Prolapse: A Case-Based Study From a Large Urban Medical Examiner's Office Abdel Rahman Qabaja, MBBS*; Lorenzo Gitto*
11:30 am—1:00 pm	I28	A Case of Multiple Silent Steam Pops During Radiofrequency Ablation Leading to Cardiac Rupture Marco Parenti, MD*; Greta Seveso, MD*; Gulnaz Javan, PhD; Silvia Visonà, MD, PhD; Luca Tajana, MD; Giovanni Cecchetto, MD, PhD
11:30 am—1:00 pm	I29	A Hemorrhage in the Atrioventricular Septum Caused by Infective Endocarditis Mio Okada, MD*; Shigeki Tsuneya, MD, PhD; Yohsuke Makino, MD, PhD; Taka-Aki Matsuyama, MD, PhD
11:30 am—1:00 pm	I30	Lethal Parvovirus B19 Myocarditis in a 9-Month-Old Infant: Crucial Insights From the Autopsy in a Challenging Diagnosis Michela Gabelloni, APM; Margherita Sgroi, MD; Ilaria marcacci, APM; Matteo Leoni, MD*; Rebecca Maggi, MD
11:30 am—1:00 pm	I31	Not Everything Is What it Seems: A Case Report of Developmental Cardiac Defects Masquerading as Neglect Christian Perez-Torres, MD*; Amy Tharp, MD
11:30 am—1:00 pm	I32	Not Just Drowning: Malignant Arrhythmia and Involuntary Submersion in a Young Male Alessandro Nicolosi, MD*; Simona Calabrese, MD*; Alessio Asmundo, PhD; Daniela Sapienza, PhD; Vincenzo Cianci, MD; Cristina Mondello, PhD
11:30 am—1:00 pm	I33	A Postmortem Diagnosis of PAU Rupture in the Ascending Aorta Vincenzo Cianci, MD*; Beatrice Spadaro, MD; Alessio Asmundo, PhD; Daniela Sapienza, PhD; Lorenzo Tornese, MD; Cristina Mondello, PhD*
11:30 am—1:00 pm	I34	Sudden Cardiac Death in Undiagnosed Late Stage Pompe Disease Kenna Saiidi, BS*; Tracy Wadsworth, MD; Lorenzo Gitto
11:30 am—1:00 pm	I35	Sudden Death in a Two-Year-Old Child With Suspected Abuse: The Key Role of Forensic Pathology in the Differential Diagnosis Irene Pradelle, MD*; Matilde Ruju, MD*; Luca Diani, MD; Biagio Solarino, MD, PhD; Giada Rovito, MD; Letizia Alfieri, MD, PhD; Margherita Neri, PhD
11:30 am—1:00 pm	I36	The Correlation of Biomarkers and Cardiac Dimensions in Sudden Cardiac Death (SCD) Matteo Antonio Sacco, MD*; Valerio Riccardo Aquila, PsyD; Alessandro Schettini; Aurora Princi, MD*; Saverio Gualtieri, MD*; Maria Eugenia Caligiuri, PhD; Isabella Aquila, MD, PhD*; Santo Gratterer, MD, PhD; Federica Riillo, MD

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11:30 am—1:00 pm	I37	Understanding Cause and Manner of Death in the Transgender, Non-Binary, and Gender-Incongruent Community Sonia Kominek, MA*; Rhonda Mittenzwei, MD
11:30 am—1:00 pm	I38	DNA on a Deadline: Interagency Cooperation for Genetic Testing of Unidentified Human Remains Kiana Miller, BS*; Andrew Seidel, PhD
11:30 am—1:00 pm	I39	A Study on Time-Dependent Changes in the Degradation Index (DI) of DNA From Postmortem Blood Chong Min Choung, PhD*; Ho Jun Lee, MS; Heywon Hong, MS; Joo-Young Kim, PhD
11:30 am—1:00 pm	I40	A Comparison of Sample Pretreatment and DNA Extraction Methods From Human Ribs Daniel Arend, BS*; Ethan Smith, MS
11:30 am—1:00 pm	I41	Pre-Analytical Barriers to Postmortem Invitae Testing: A Retrospective Review of Genetic Test Failures and Successes Manisha Bastola, MD*; Patrick Hansma, DO; Victoria Roby, MS
11:30 am—1:00 pm	I42	A Comparison of DNA Quality in Gray and White Matter of the Brain Dong Yeon Lee, BS; Ga Eun Kim, MS*; Moon-Young Kim, MD, PhD; Eun-Byoul Jung, BS; Eugene Choi, MD; Chae Min Lee, BS; Im Soyoun, MS
11:30 am—1:00 pm	I43	Elder Abuse and Long-Term Health Outcomes: A Comprehensive Meta-Analytic Review Antonietta Porzio, MD*; Maria Grazia Violante; Carlo Pietro Campobasso, MD, PhD; Paola Ciamarra, MD; Ignazio Grattagliano, PhD; Graziamaria Corbi, PhD
11:30 am—1:00 pm	I44	Beyond the Bullet: A Histopathological Evaluation of Gunshot Injuries Enhanced by Experimental Animal Models Federica Cascone, MD*; Alessandro Feola, MD, PhD; Paolo Palermo, MD; Pasquale Mascolo, MD; Orlando Paciello, PhD; Giuseppe Piegari, PhD
11:30 am—1:00 pm	I45	A Preliminary Discussion on the Effects of Clothing on Soot Deposition at Varied Ranges of Fire and on Cylinder Gap Marks Barbara Herfel, MD*; Gregory Schmunk, MD; Christopher Poulos, MD; Matthew Cain, MD
11:30 am—1:00 pm	I46	Beware: BB Guns Can Kill Whitney Carriveau, BA*; Selly Strauch, MD; Susan Roe, MD
11:30 am—1:00 pm	I47	Considerations and Implications of Homemade Firearm Sound Suppressors: A Case Series Megan Schwietert, MD*; Carolina McEnnan, MD; Henry Giraldo Jimenez
11:30 am—1:00 pm	I48	A Fatal Gunshot Wound From a Test Shot: A Forensic Case Report Paolo Visci*; Annachiara Vinci, MD; Davide Ferorelli, MD; Natalia Sebastiani, MD; Gianmarco Sirago, MD; Francesco Calò, MD
11:30 am—1:00 pm	I49	How the Misinterpretation of Formalin Pigment Artifacts in Postmortem Histology Can Influence the Forensic Diagnosis Stefano Tambuzzi, MD*; Guendalina Gentile, BSc; Riccardo Zoia, MD, PhD; Lorena Ferraroli, MSc
11:30 am—1:00 pm	I50	γ-H2AX—A Useful Tool to Detect DNA Damage in Sudden Cardiac Death Heart Tissues: An Experimental Study Angelo Montana, PhD*; Francesca Licitra, PhD; Francesco Paolo Busardò, MD, PhD; Sonia Fantone, PhD; Rosanna Zamparese, PhD; Giovanni Tossetta, PhD

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11:30 am—1:00 pm	I51	Beyond the Cold: Re-Establishing Wound Vitality in Frozen-Thawed Bodies With Glycophorin A Immunohistochemistry Giulia Berneschi, MD*; Pietro Ciulli, MD; Marco Di Paolo, MD, PhD; Naomi Iacoponi, MD*; Andrea Scatena, MD; Michela Gabelloni, MD
11:30 am—1:00 pm	I52	A Comparative Evaluation of Four Histological Stains for Skeletal Fracture Time Since Injury Estimation Alexis VanBaarle, APM*; Carolyn Isaac, PhD; Joseph Prahlow, MD; Amanda Fisher-Hubbard, MD; Jered Cornelison, PhD; Joyce deJong, DO; Brandy Shattuck, MD; Theodore Brown, MD; Wendy Lackey-Cornelison, PhD
11:30 am—1:00 pm	I53	A Case of Homicidal Necrophilia Joseph Prahlow, MD*; Susan Zuiderveen, JD; Jay Blair, JD; David Walker
11:30 am—1:00 pm	I54	The Forensic Face of Vampirism: A Singular Case of Manual Cardiac Removal in a Homicide Angela Colucci, MD*; Enrica Macorano, MD; Francesco Introna, MD, PhD; Giovanni de Gabriele, MD; Andrea Marzullo, MD, PhD
11:30 am—1:00 pm	I55	Double Homicide or Complex Accident? Forensic Challenges in a Case of Filicide, Matricide, and Dismemberment Isabella Caristo, MEd*; Rosario Barranco, PhD; Francesco Ventura, PhD; Giulio Fraternali Orcioni, MEd; Domenico Coviello, PhD
11:30 am—1:00 pm	I56	Hack and Slash: Machete Homicides in Harris County, Texas Marianne Beynon, MD*
11:30 am—1:00 pm	I57	Homicide by Heart Attack: A Case Series Michelle Kao, BS*; Joseph Prahlow, MD; Kanayo Tatsumi, MD; Tatiana Bihun, MD; Katie Hanson, MD
11:30 am—1:00 pm	I58	Fratricide With Overkilling and Afterkilling by a Woman With Schizophrenia: A Forensic Case Lucilla De Luca, MD*; Laura Donato; Michele Treglia, MD; Luigi Tonino Marsella, MD; Margherita Pallocci, MD; Pierluigi Passalacqua, MD
11:30 am—1:00 pm	I59	Asthma-Related Deaths in Los Angeles County, CA: Forensic Insights Into an Alarming Trend Sarah Edminster, DO*; Andrew Nguyen, PhD; Robyn Parks, MD
11:30 am—1:00 pm	I60	Comparing Standard Clinical Laboratory Beta-Hydroxybutyrate Testing of Vitreous Fluid Against Standard Toxicological Blood Analyses in Ketoacidosis Deaths Quinn Basso, MD*; Betty Chow, MSc; Christopher Milroy, MD; Jacqueline Parai, MD
11:30 am—1:00 pm	I62	Cerebral Vasculitis Associated With SARS-CoV-2 Infection: The Role of the Autopsy in the Postmortem Diagnosis and Preventive Insight Matteo Antonio Sacco, MD*; Maria Daniela Monterossi, MD*; Saverio Gualtieri, MD*; Eugenio Garofalo, MD, PhD; Andrea Bruni, MD; Pino Pasqua, MD; Isabella Aquila, MD, PhD*; Federica Riillo, MD; Alessandro Di Cello
11:30 am—1:00 pm	I63	Diagnostic Challenges in Post-Transplant Acute Liver Failure: A Case of Suspected Large-for-Size Syndrome Jayalakshmi Alagar, MPhil*; Julius Nani, MD; Duy Doan, MD; Jared Hassler, MD
11:30 am—1:00 pm	I64	Endocrine Enigmas Morgan Mastrud, BS, BA*; Alexis Meduna, BS; Susan Roe, MD; Selly Strauch, MD; Wai Szeto, MD

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11:30 am—1:00 pm	I65	A Fatal Airway Obstruction Due to Laryngeal Papillomatosis: A Clinically Occult Complication Mariana Voudouri, MD*; Amber Wang, MD; Katherine Kenerson, MD
11:30 am—1:00 pm	I66	Sweet But Deadly: Pyogenic Hepatic Abscesses in Diabetes Claire Westby, BA*; McKenzie Burian, BS; Susan Roe, MD; Selly Strauch, MD; Wai Szeto, MD
11:30 am—1:00 pm	I140	A Fatal Invasive Candidiasis Diagnosed at Autopsy in a Long-Term Hospitalized Patient: A Case Report Geon Kim; Eugene Choi, MD; Ga Eun Kim, MS; Dong Yeon Lee, BS; Moon-Young Kim, MD, PhD*; Eun-Byoul Jung, BS; Im Soyoun, MS
11:30 am—1:00 pm	I123	Fascinating and Mesmerizing: The Deadlier Side of Fireworks Ami Jackson, DO*

Thursday – Session I

Morning Session

Moderator: Sterling McLaren, MD

Co-Moderator: Vincenzo Cianci, MD

8:30 am—8:50 am	I67	Medicolegal Patterns in Homicide-Suicide Cases Related to Crimes of Passion, Altruistic Motives, or Psychiatric Disorders: A Retrospective Autopsy-Based Study Eugenia Marta Leonzio, MD*; Gianmarco Argentiero, MD; Gennaro Baldino, MD, PhD; Biagio Solarino, MD, PhD; Laura Secco, MD; Filippo Pirani, PhD
8:50 am—9:10 am	I68	Law Enforcement Ballistic Fatalities: What Can We Gain From Autopsy Reviews? Andrew Davis, MPH*; Cynthia Bir, PhD
9:10 am—9:30 am	I69	Autoerotic Deaths: A Review and Examination of Investigative and Autopsy Findings Nichole Miller, BS*; Hannah Jarvis, MRCS
9:30 am—9:50 am	I70	Racehorse Fatality Investigation: The Roles of the Pathologist and Regulatory Veterinarian Alina Vale, DVM*
9:50 am—10:10 am	I71	Neglect in the Pediatric and Elderly Population: A Nine-Year Retrospective Review From the Cook County Medical Examiner's Office Antonietta Porzio, MD*; Maria Rosaria Forte, APM*; Lorenzo Gitto; Carlo Pietro Campobasso, MD, PhD
10:10 am—10:30 am	I72	Work-Related Suicide: 25 Years of Forensic Cases in a European Province Bianca Beltrame, MD*; Lorenzo Franceschetti, MD, PhD; Sofia Bodini, MD; Andrea Verzeletti, MD, PhD
10:30 am—10:50 am	I73	Patterns of Heat-Related Mortality in Southern Nevada: Forensic and Public Health Implications Liam Johnson, MA*; Katherine Gaddis, MA; Lisa Gavin, MD; Stephanie Yagi, DO
10:50 am—11:10 am		DISCUSSION AND Q&A
11:10 am—2:00 pm		BREAK

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Afternoon Session

Moderator: Siddhartha Das, MD

Co-Moderator: Jacqueline Parai, MD

2:00 pm—2:20 pm	174	Homeless Deaths Investigated by a State-Wide Medical Examiner System Maura DeJoseph, DO; Katherine Kenyon, MD*; James Gill, MD
2:20 pm—2:40 pm	175	Invisible Deaths: A Forensic Window Into Homeless Mortality in Milan (2014–2024) Chiara Carsana, MD*; Stefano Tambuzzi, MD*; Cristina Cattaneo, MD, PhD; Devis Valleriani, MD
2:40 pm—3:00 pm	176	Evaluating Quality in Hospitalized Patients: Using a Retrospective Review of Hospital Autopsies at a Single Institution Omid Golestanian, MD*; Bushra Sayeed, MD; Shahrier Amin, MD, PhD; Erona Reza, MD
3:00 pm—3:20 pm	177	Standards Development Activities in Medicolegal Death Investigation and Forensic Pathology J. Keith Pinckard, MD, PhD*
3:20 pm—3:40 pm	178	Conrad-30 Waiver Program for Forensic Pathologists: An Overview Mario Rascon, MD*
3:40 pm—4:00 pm	179	Pseudo-Gunpowder Stippling: A Case Series and Review of the Literature Kori Mecklenburg, MD*; Lauren Moshea, DO*; Joseph Prahlow, MD; Kanayo Tatsumi, MD; Robyn Parks, MD
4:00 pm—4:20 pm	180	Beneath the Surface: Exploring Aquatic Decomposition in Sweden Clara Alfsdotter, PhD; Anja Petaros, PhD*
4:20 pm—4:40 pm		DISCUSSION AND Q&A

Thursday – Session II

Morning Session

Moderator: Noemi Procopio, MD

Co-Moderator: Nicole Jackson, MD, MPH

9:00 am—9:20 am	181	An Examination of the Potential for Fly Transfer of Blood to a Suspect's Clothing David Rivers, PhD*
9:20 am—9:40 am	182	Environmental Forensic Entomology: What Can the Basic Biology of Flies Reveal About Environmental and Wildlife Crimes? Charity Owings, PhD*
9:40 am—10:00 am	183	How to Combine the Exigencies of Histopathological and Forensic-Genetic Investigation: Critical Issues in the Use of Medicolegal FFPE Samples for DNA Analysis Giulia Soldati, PhD*; Rebecca Rigosa, MS; Nicola Pigaiani, MD, PhD; Pamela Rodegher, MS; Federica Bortolotti, MD, PhD; Francesco Ausania, MD, PhD
10:00 am—10:20 am	184	The Effect of Soil Particle Size and Depth on Dogs' Detection of a Buried Odor Glenna Cupp, MSc*; Madalyn Bower, BS; Paola Tiedemann, PhD; Daniel Hirmas, PhD; Nathaniel Hall, PhD; Edgar Aviles-Rosa, PhD

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10:20 am—10:40 am **I85** **Winter Taphonomy and Vertebrate Scavengers in the Northern Plains**
Lavinia Iancu, PhD*; Piper O'dell, BS*; Thomas Sikorski*; Ranna Dawlaty, BAS

10:40 am—11:00 am **DISCUSSION AND Q&A**

11:00 am—2:00 pm **BREAK**

Afternoon Session

Moderator: Alberto Chighine, PhD

Co-Moderator: Charity Owings, PhD

2:00 pm—2:20 pm **I86** **The Impact of Opioids and Benzodiazepines and Their Metabolites on Black Blow Fly (*Phormia Regia*) Larval Length**
Linnea Briley*; Cambria Jansen, BS; Hayden McKee-Zech, PhD

2:20 pm—2:40 pm **I87** **Tiny Traces, Big Impact: Fingertip Microbiomes in Forensic and Pathology Research**
Michele Di Nunzio, MCS*; Sarah Gino, MD; Noemi Procopio, PhD; Nengi Ogbanga, PhD; Anna Franzoni, MSc; Miquel Serra-Forteza, BSc

2:40 pm—3:00 pm **I88** **Front End Separation of Biological Mixtures Based on Time-Since-Deposition of Contributor Cell Populations**
Christopher Ehrhardt, PhD; Arianna DeCorte, MS*; Gabrielle Wolfe, BS

3:00 pm—3:20 pm **I89** **Integrating NGS-Based DNA Workflows Into the Postmortem Toolkit for Kinship and Identification**
Mayra Eduardoff, PhD*; Sheree Hughes, PhD*

3:20 pm—3:40 pm **I90** **That's Some Pig: Protocol Optimization for the Analysis of DNA in Unpulverized Cremated Remains**
Kendall Kroha, MS*; Stephanie Gladysck, PhD; Austin Wickham, MS

3:40 pm—4:00 pm **DISCUSSION AND Q&A**

Thursday – Session III

Jay Dix Memorial Lecture Series

Moderator: James Gill, MD

8:30 am — 8:40 am **Introduction**
James Gill, MD

8:40 am — 9:30 am **I91** **Firearm Injuries**
Andrew Baker, MD*

9:30 am — 9:45 am **BREAK**

9:45 am—10:35 am **I91** **Postmortem Changes**
Joseph Prahlow, MD*

10:35 am—11:25 am **I91** **Chronic Alcohol Use**
Melissa Pasquale-Styles, MD*

11:25 am—2:00 pm **BREAK**

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2:00 pm—2:50 pm **I91** **Blunt Force Trauma**
Katherine Maloney, MD*

2:50 pm—3:05 pm **BREAK**

3:05 pm—3:55 pm **I91** **Asphyxia**
Susan Ely, MD*

3:55 pm—4:45 pm **I91** **Hyperactive Delirium**
James Gill, MD*

Multidisciplinary Session: Pathology/Biology and Toxicology

Moderator: Ponni Arunkumar, MD

Co-Moderator: Laura Labay, PhD

1:00 pm—1:15 pm **L45** **Postmortem Hair Testing for Fentanyl and Analogs: Experimental, Forensic, and Interpretative Aspects**
Nicola Pigaiani, MD, PhD* Marco Ballotari, PhD; Federica Bortolotti, MD, PhD;
Gregory Davis, MD; Rossella Gottardo, PhD; Karen Scott, PhD

1:15 pm—1:35 pm **I92** **A Forensic Investigation of Kratom-Related Fatalities: The Mitragynine Paradox**
Giulia Bambagiotti, MD*; Diletta Berardinelli, PhD*; Eva Montanari, PhD; Prentiss Jones, PhD;
Gary W. Kunsman, PhD; Francesco Paolo Busardò, MD, PhD; Marilyn A. Huestis, PhD

1:35 pm—1:50 pm **L46** **MDMA Toxicity: A Fatal Case of Ayus-Arieff Syndrome**
Chiara Carsana, MD*; Bianca Beltrame, MD*; Andrea Verzeletti, MD, PhD;
Mauro Minoli, BPharm; Lorenzo Franceschetti, MD, PhD

1:50 pm—2:05 pm **L47** **Positivity of Clonazepam and 7-Aminoclonazepam in DUID Versus Postmortem Casework: Microbial Biotransformation as a Pre-analytical Factor**
Haley Bibey, MSFS*; Donna Papsun, MS; Brittany Casey, PhD; Shayna Kasher, MSFS

2:05 pm—2:20 pm **L48** **“The Matrix”: Is the Brain Suitable to Overcome PM Redistribution in Cocaine Overdoses?**
Pascale Basilicata, PhD; Mariagrazia Marisei, MD*; Maria Pieri, PhD*; Angela Silvestre, PhD;
Angela Simonelli, PhD; Rossella Guadagni, PhD

2:20 pm—2:35 pm **L49** **Unintentional Fentanyl Overdoses Among Cocaine Users: Investigating “Powder and Rock Confusion” Through a Scene-Integrated Toxicological Model**
Emily Dalgo, MA; Alana Golding, BS*; Maria Esquivel, BA*; Rhonda Mittenzwei, MD*

2:35 pm—2:55 pm **I93** **Trends in Cannabinoid Positivity in Fatal Motor Vehicle Collisions: A Retrospective Toxicological Analysis in Connecticut (2018–2024)**
Stacy Thomas, MD, PhD*; James Gill, MD; Amanda Mohr, MS; Michelle Clark, MS

2:55 pm—3:10 pm **L50** **Ketamine-Induced Nephritis and Cystitis: A Forensic Autopsy Case Report**
Kanokphun Chaisaksiri, MD*; Peerayut Phuangphung, MD, PhD; Ngoentra Tantranont, MD;
Sakda Sathirareuangchai, MD

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Friday

Poster Session

11:30 am—1:00 pm	I61	An Unusual Suspect: Group B Strep Strikes in Spontaneous Peritonitis Paloma Johnson, BS*; Emma Weisner, BS; Susan Roe, MD; Selly Strauch, MD
11:30 am—1:00 pm	I94	A Fatal Mimicker of Gastroenteritis: Pediatric Midgut Volvulus Isaiah Germolus, BS*; Hannah Rathgeber, BS; Selly Strauch, MD; Susan Roe, MD
11:30 am—1:00 pm	I95	A Rare Pediatric Case of Concomitant Gorham-Stout Disease, Symptomatic Tarlov Cysts, and Undiagnosed Chiari I Malformation: Clinical and Medicolegal Implications Sharon Duzioni, MD*; Francesca Buffelli, MD, PhD; Alessandro Bonsignore, MD, PhD; Francesco Lupariello, MD
11:30 am—1:00 pm	I96	Bacillus Cereus Pneumonia Causing Death in Infants Daniel Nguyen, MD*
11:30 am—1:00 pm	I97	The Hazards of Hydranencephaly Jake O'Hearn, BS*; Lily Johnson, BA; Jared Ahrendsen, MD, PhD; Susan Roe, MD; Selly Strauch, MD
11:30 am—1:00 pm	I98	Mitochondrial Disorders Mimicking Child Abuse: A Case of Misdiagnosed Munchausen by Proxy Lina De Paola, MD; Miriam Ottaviani, MD*; Gabriele Napoletano, PhD; Alessandro Ghamlouch, MD; Gaia De Angelis, MD
11:30 am—1:00 pm	I99	Problems With Popcorn: The Dangers of Pediatric Foreign Body Aspirations Hunter Olstad, BS*; Mya Winjum, BS; Susan Roe, MD; Selly Strauch, MD
11:30 am—1:00 pm	I100	The Postmortem Microbiology (PMM) and Its Role in Decoding Sudden Childhood Deaths Federica Cascone, MD*; Mariavictoria De Simone, MD; Carlo Pietro Campobasso, MD, PhD; Alessandro Feola, MD, PhD; Vittorio Panetta, BSc; Andrea Ronchi, MD, PhD
11:30 am—1:00 pm	I101	Thirty Years of Forensic Analysis on Child and Adolescent Deaths in Taiwan: Trends, Risk Factors, and Homicide Characteristics Szu-Yu Lin, MMed*; Hsiao-Ting Chen, BAsC; Kai-Ping Shaw, PharmD
11:30 am—1:00 pm	I102	What to Expect When You Don't Know You're Expecting: A Cryptic Pregnancy With Fatal Consequences Anna Claudia Caruso, MD*; Monica La Greca, APM*; Benedetta Baldari, PhD; Anna Maria Manta, MD; Marida Imbriani, MD
11:30 am—1:00 pm	I103	A Case of Complex Suicide by Captive-Bolt Gunshot and Hanging Irene Pradelle, MD*; Matilde Ruju, MD*; Luca Diani, MD; Margherita Neri, PhD; Giada Rovito, MD; Alessandra Bergonzini, MD
11:30 am—1:00 pm	I104	Back to Basics: Defining the Histology of Suicidal Ligature Furrows Caroline Durham, MD*; Dwayne Wolf, MD, PhD; Nicole Dominiak, MD
11:30 am—1:00 pm	I105	Diagnostic Challenge in Forensic Autopsy: Possible Hydrogen Peroxide Ingestion in Caffeine Overdose Suicide Casem Ballouk, MD*; Amber Silva, MS; Wendy Gunther, MD; Nicole Masian, APM

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11:30 am—1:00 pm	I106	Engineered Exit: A Multidisciplinary Reconstruction in a Loader Blade Self-Inflicted Death Damiano Marchesini, MD; Anna Claudia Caruso, MD*; Flavia Sciuttini, MD*; Benedetta Baldari, PhD
11:30 am—1:00 pm	I107	Suicide by Evisceration: A Presentation of Three Cases and a Review of the Relevant Literature Raffaella Campagna, MD*; Maria Antonella Bosco, MD; Christian Pallante; Wanda Nocerino, PhD; Angela Procaccino, PhD; Federica Genchi, MD
11:30 am—1:00 pm	I108	The Ear as a Clue to Asphyxiation: A Rare Case of Otorrhagia in Hanging Anna Messina, MD*; Vincenzo Cianci, MD*; Daniela Sapienza, PhD; Cristina Mondello, PhD; Beatrice Spadaro, MD; Maria Manno, MD
11:30 am—1:00 pm	I109	Troubles With Dying? Plan Your Suicide Niccolo' Melloni, MD*; Enrico Gerace, BS; Roberto Testi, MD; Silvia Boca, MD
11:30 am—1:00 pm	I110	The Application of Postmortem Micro-Computed Tomography (PM-microCT) in the Analysis of Fatal Neck Compression in Advanced Decomposed Bodies Matteo Scopetti, MD, PhD*; Martina Padovano, MD*; Maria Chiara David, PhD; Chantal Milani, PhD; Francesca Consalvo, MD; Stefano Vanin, PhD; Alessandro Santurro, MD, PhD*; Vittorio Fineschi, MD, PhD
11:30 am—1:00 pm	I111	From Suicide to Homicide: About One Charred Body and the Contribution of Postmortem Computed Tomography Coupled With Scanning Electron Microscopy Coupled With Energy Dispersive X-Ray Spectroscopy Fabrice Dedouit, MD, PhD*; Lise Pestourie, MD; Frederic Savall, MD, PhD; Norbert Telmon, MD, PhD; Marion Vergnault, MD; Celine Guilbeau Frugier, MD, PhD
11:30 am—1:00 pm	I112	The Legal and Investigative Impact of Postmortem CT Imaging in Forensic Deaths Ilayda Sam, MD*; Bedirhan Sezer Oner, MD; Savas Gorgulu, MD; Burcu Akman, MD; Selcuk Cetin, MD
11:30 am—1:00 pm	I113	EyePhone: Ocular Pathology Imaging at Your Fingertips Ashley Smith, MD*; Patrick Lantz, MD; Mark Giffen, DO; Joseph Fortin, BS
11:30 am—1:00 pm	I114	The Postmortem Application of Bioelectrical Impedance Analysis (BIA): Correlations Between Electrical Parameters, BMI, and PMI in a Series of 29 Cases Maria Cristina Verrina, MD*; Ennio Avolio, PhD; Alessandro Pasquale Tarallo, MD*; Matteo Antonio Sacco, MD*; Sabrina Raffaele, MSc; Ludovico Abenavoli, MD, PhD; Isabella Aquila, MD, PhD*; Wandamaria Mazzuca
11:30 am—1:00 pm	I115	Rare Fatal Complications of Hemorrhoidal Banding: A Case Series David Behrman, MD*; Bernadette DeRussy, MD, PhD
11:30 am—1:00 pm	I116	The Fragility of Fistulas: Two Cases of Exsanguination Via AV Fistula Mikale Kuntz, BS*; Ally Feland, BS; Dr. Selly Strauch, MD; Susan Roe, MD
11:30 am—1:00 pm	I117	Benzimidazole Opioid-Associated Fatalities Observed at the Harris County Institute of Forensic Sciences: A Case Series Karan Goel, MD*; Si Gao, MS; Hannah Jarvis, MRCS
11:30 am—1:00 pm	I118	A Forensic Diagnosis of Acute and Fatal Phosphine Exposure: Environmental, Toxicological, and Histopathological Findings Carmen Sementa, MD; Elena de Laurentiis, MD*; Vittorio Fineschi, MD, PhD; Francesca Consalvo, MD; Cristina Elia, MD*; Raffaele Cirillo, MD*; Alessandro Santurro, MD, PhD

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11:30 am—1:00 pm	I119	It's Lit: A Case of Accidental Fire and Inhalant Abuse Luca Tomassini, MD*; Piergiorgio Fedeli; Anna Maria Manta, MD*; Massimo Lancia, MD, PhD; Flavia Sciuttini, MD*; Daniele Paolini, MD
11:30 am—1:00 pm	I120	Neuromuscular Death: A Histological and Toxicological Approach to a Rare Strychnine Fatality Raffaella Vetrini, MD*; Calogero Cuttaia, MD; Riccardo Addobbati, PhD; Emiliana Giacomello, PhD; Filippo Bolzan, MD; Tommaso Brusca, MD
11:30 am—1:00 pm	I121	A 14-Year Retrospective Analysis of Crash Characteristics in Accidental Motor Vehicle Deaths Donald Turbiville, MD*; D. Kimberley Molina, MD
11:30 am—1:00 pm	I122	Deaths by Drowning: A Ten-Year Overview in Western Michigan Jordan Roberson, BS*; Christopher Nwoke, BA; Abigail Grande, MPH; Amanda Fisher-Hubbard, MD; Nicolas Kosteletzky, MD
11:30 am—1:00 pm	I124	Pediatric Perpetrators and Unusual Weapons: Investigation, Injury Biomechanics, and Manner Determination Danielle Mack, MD*; Melissa Blessing, DO; Maura Thurber, MHS; Zeel Naik, MS
11:30 am—1:00 pm	I125	"Seventy Years of Forensic Experience (1943-2016): Evolution of Forensic Management in Mass Disasters" Enrica Macorano, MD*; Fabrizio Calabrese, MD; Francesco Introna, MD
11:30 am—1:00 pm	I126	A Rare Death Caused by a Falling Taxidermy Elk Head and an Injury Pattern Analysis John Hu, MD, PhD
11:30 am—1:00 pm	I127	The Advantages and Limits of Postmortem Computed Tomography (PMCT) and 3D Reconstruction in Characterization of Fatal Injuries by Hammers Elena de Laurentiis, MD*; Raffaele Cirillo, MD*; Cristina Elia, MD*; Carmen Sementa, MD; Federico Battipaglia; Vittorio Fineschi, MD, PhD; Stefania De Simone, PhD; Alessandro Santurro, MD, PhD
11:30 am—1:00 pm	I128	Airbag: Lifesaving Device or Lethal Mechanism? A Forensic Analysis of an Emblematic Case Lucia Tarda, MD; Matteo Antonio Sacco, MD*; Roberto Raffaele, MSc*; Saverio Gualtieri, MD*; Roberto Arcadia, MSc; Gerardo Perozziello, PhD; Isabella Aquila, MD, PhD*; Claudia Catia De Pasquale, MSc
11:30 am—1:00 pm	I129	The Analysis of a Sudden Death Case Related to a Wild Boar Trap Injury Saverio Gualtieri, MD*; Matteo Antonio Sacco, MD*; Massimo Musardo, LLB; Aurora Princi, MD; Pietro Tarzia, MD*; Stefano Lombardo, MD; Isabella Aquila, MD, PhD*
11:30 am—1:00 pm	I130	Beneath the Surface: What a Burned Body Still Reveals Biancamaria Treves, MD*; Alessandro Ghamlouch, MD; Gabriele Napoletano, PhD; Gaia De Angelis, MD; Maura Racciatti, MD; Fabio Del Duca, MD
11:30 am—1:00 pm	I131	Complete Lumbar Spine Transection in an Unrestrained Motor Vehicle Fatality: A Case Study in Biomechanical Failure Afifa Bhutta, MD*
11:30 am—1:00 pm	I132	Electricity and Home Safety: The Role of Collaboration Between Forensic Pathologists and Engineers in Investigating a Fatal Incident Raffaele Cirillo, MD*; Elena de Laurentiis, MD*; Davide Radaelli, PhD; Raffaella Vetrini, MD; Cristina Elia, MD*; Maria Buffon, MD; Alessandro Santurro, MD, PhD; Carmen Sementa, MD

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11:30 am—1:00 pm	I133	A Fatal Fall From Flight: A Forensic Case Study Jerielle Cartales, MSc*; Carolyn Isaac, PhD; Joseph Hefner, PhD (FSF Emerging Forensic Scientist Award Poster Presentation)
11:30 am—1:00 pm	I134	Homicide by Vehicle Escape: Death From a Leap From a Car in Motion to Escape Sharp Force Injury Inflicted by the Driver Christian Perez-Torres, MD*; Wendy Gunther, MD
11:30 am—1:00 pm	I135	Justice Across Jurisdictions: An Integrated Analysis of Domestic Violence in the United States and Italy Cheli Calderon, BS*; Micki Besse, MS; Heather Walsh-Haney, PhD; Melodie Eichbauer, PhD; Joanna Salapska-Gelleri, PhD; Roshni Ladny, PhD
11:30 am—1:00 pm	I136	Silent Danger: A Companion Case of Carbon Dioxide Asphyxiation in a Wine Cellar Due to Dry Ice Exposure Josue Fonseca, BS*; Emma Henrie, MD
11:30 am—1:00 pm	I137	A Work-Related Death in an Olive Oil Processing Plant: A Case Report of a Complex Forensic Analysis Bianca Beltrame, MD*; Angela Colucci, MD*; Antonio Marzaioli, MD; Alessandro Cristalli, MD; Riccardo Amirante, MD, PhD; Francesco Introna, MD, PhD
11:30 am—1:00 pm	I138	Corpse Recovery in Extreme Environments: A Forensic Case Study From a Manure Pit Elena de Laurentiis, MD*; Raffaele Cirillo, MD*; Alessandro Santurro, MD, PhD* Cristina Elia, MD*; Donato Morena, MD, PhD; Gabriele Casaburi, MD*
11:30 am—1:00 pm	I139	When Words Cut Deep: A Rare Accidental Sharp Force Death During a Domestic Altercation Marida Imbriani, MD*; Gianluca Piras, MD; Benedetta Baldari, PhD

Friday – Session I

Morning Session

Moderator: Lorenzo Franceschetti, MD, PhD

Co-Moderator: Lorenzo Gitto, MD

9:00 am—9:20 am	I141	3D Technologies in Forensic Medicine: From Complexity Perception to Practical Integration Federica Amirante, MD*; Gianmarco Argentiero, MD; Marcello Benevento, MD; Laura Ambrosi, MD; Biagio Solarino, MD, PhD
9:20 am—9:40 am	I142	Micro-CT and Histopathology of the Hyoid-Larynx Complex in Cases of Fatal Trauma to the Neck Sofia Goia, PhD*; Angela Colucci, MD; Charlotte Primeau, PhD; Mark Williams, PhD
9:40 am—10:00 am	I143	The Past, Present, and Future of Bone Fracture Age Estimation: A Technological Perspective Charlotte Lawrence, MSc*; Mark Williams, PhD; Charlotte Primeau, PhD
10:00 am—10:20 am	I144	Using Micro-CT Scanning for Criminal Investigations of Suspicious Child Deaths: A Decade of Experience From the United Kingdom Charlotte Primeau, PhD*; Sofia Goia, PhD; Mark Williams, PhD; Charlotte Lawrence, MSc
10:20 am—10:40 am	I145	Postmortem Evaluation of Anomalous Aortic Origin of the Right Coronary Artery Using CT and MRI: A Retrospective Case Study Yukiko Uemura, MD*; Shigeki Tsuneya, MD, PhD; Yohsuke Makino, MD, PhD; Hirotaro Iwase, MD, PhD; Masatoshi Kojima, MA; Go Inokuchi, MD, PhD

PATHOLOGY/BIOLOGY

10:40 am—11:00 am **I146 Beyond the Scalpel: Integrating Virtopsy and Traditional Autopsy in Mass Disaster Victim Identification**

Enrica Macorano, MD*; Angela Colucci, MD*; Francesco Introna, MD

11:00 am—11:20 am **DISCUSSION AND Q&A**

11:20 am—2:00 pm **BREAK**

Afternoon Session

Moderator: Simone Grassi, MD

Co-Moderator: Tatyana Zinger, DO

2:00 pm—2:20 pm **I147 A Case-Based Analysis to Assess the Validity of the Hat Brim Line Rule in Cranial Trauma**
Kiti Doci, MD* Alberto Amadasi, MD, PhD; Marcello Seligardi, MD*; Valentina Bugelli, MD, PhD;
Federica Poli, MD; Sara Dagoli, PhD

2:20 pm—2:40 pm **I148 A Unique Case and 25-Year Retrospective of Trash Chute and/or Compactor Death in Miami-Dade County**
Mariana Voudouri, MD*; Alexander Blank, MD; Alexander Giachetti, PSM; Nicholas Barna, MD

2:40 pm—3:00 pm **I149 Understanding Blunt Force Injuries: A Biomechanical and Forensic Comparison of Vertical and Horizontal Forces**
Alejandro Partida, MD*; Mario Rascon, MD

3:00 pm—3:20 pm **I150 Unusual/Atypical Deaths With Sharp Force Injuries**
Priyanka Kaushal, BS*; Joseph Prahlow, MD; Kanayo Tatsumi, MD; Tatiana Bihun, MD;
Katie Hanson, MD

3:20 pm—3:40 pm **I151 Electrocutions Right or Wrong**
Helmut Brosz, BASc*; Renee Knight, BASc

3:40 pm—4:00 pm **I152 SHOCK AND AWE! A Review of Electrocution Deaths at the Denver Office of the Medical Examiner/Coroner (2010–2023)**
Logan Ritter, MD*; Meredith Frank, MD; James Caruso, MD; Ian Puffenberger, MD;
Sterling McLaren, MD

4:00 pm—4:20 pm **DISCUSSION AND Q&A**

Friday – Session II

Morning Session

Moderator: Paul Uribe, MD

Co-Moderator: Carlo Campobasso, MD, PhD

8:40 am—9:00 am **I153 When Science Isn't Independent: Fire Investigators, Medical Examiners, and Circular Logic**
John Lentini, BA*

9:00 am—9:20 am **I154 The Undying Dilemma of Time Since Death in Court: A Critical Analysis of Traditional and Innovative Methods for PMI Estimation**
Simone Grassi, MD, PhD*; Hannah Jarvis, MRCS; Noemi Procopio, PhD; Andrea Costantino, MD

PATHOLOGY/BIOLOGY

9:20 am—9:40 am	I155	A Deep Learning-Based Evaluation of Coronary Artery Stenosis in Forensic Autopsies Using Whole Slide Imaging Nicola Pigaiani, MD, PhD*; Shakiba Sharifi, MEng; Matteo Brunelli, MD, PhD; Marianna Garavello, MD; Alberto Chighine, MD, PhD; Stefano Gobbo, MD, PhD
9:40 am—10:00 am	I156	An Interpretation of Myocardial Injuries in Natural and Unnatural Deaths Katarzyna Michaud, MD*
10:00 am—10:20 am	I157	Postmortem Diagnosis of Dilated Cardiomyopathy: Revisiting Fundamentals Through a Systematic Review Simona Calabrese, MD*; Vincenzo Cianci, MD*; Alessio Asmundo, PhD; Cristina Mondello, PhD; Alessandro Nicolosi, MD; Anna Messina, MD
10:20 am—10:40 am	I158	From Arteriosclerotic Cardiovascular Disease to Aortic Dissection: The Impact of Postmortem Imaging in Cause-of-Death Determinations Carissa Longo, MD*; J. Jun Guan, MD
10:40 am—11:00 am	I159	A 17-Year Review of Myocarditis Cases From the West Tennessee Regional Forensic Center Alexandria Anderson, BA*; Ibrahim Ortanca, MD
11:00 am—11:20 am		DISCUSSION AND Q&A
11:20 am—2:00 pm		BREAK

Afternoon Session

Moderator: Melissa Blessing, D)

Co-Moderator: Gregory Schmunk, MD

2:00 pm—2:20 pm	I160	Pediatric Drug-Related Deaths and Toxicological Findings From the Cook County Medical Examiner's Office: A Five-Year Retrospective Study Santina Alessandra Severino, PharmD*; Anna Carfora, PhD; Lorenzo Gitto; Carlo Pietro Campobasso; Federica Migliaccio, MD
2:20 pm—2:40 pm	I161	Delayed Death Resulting From Child Abuse: An Analysis of an Uncommon Phenomenon in a Large Metropolitan Area Ilaria Fracassi, MD*; Valentina Mormile, MD; Lorenzo Gitto, MD; Carlo Pietro Campobasso, MD, PhD
2:40 pm—3:00 pm	I162	Reading Between the Scars: Recognizing Intent in Pediatric Burn Injuries Alice Buzzelli, MD*; Valentina Bugelli, MD, PhD; Alberto Amadasi, PhD; Lorenzo Franceschetti, MD, PhD
3:00 pm—3:20 pm	I163	Investigating the Phenomenon of Lesion Vitality on Human Ribs: From Untargeted Proteomics to the Application of Immunostainings for Specific Proteins Nicola Galante, MD*; Daniele Capitano, PhD; Riccardo Zoia, MD, PhD; Alessandro Del Gobbo, MD; Alessio Battistini, MD, PhD
3:20 pm—3:40 pm	I164	Systemic Calcium Dysregulation and Neuropathological Aging: A Retrospective Hospital Autopsy Study Stacy Thomas, MD, PhD*; Hannah Sage, MD; Declan McGuone, MBBCh
3:40 pm—4:00 pm	I165	The Applications of Humanitarian Principles in Forensic Death Investigations for Indigenous Communities Steff King, MA*; Gail Anderson, PhD (FSF Emerging Forensic Scientist Award Oral Presentation)

PATHOLOGY/BIOLOGY

4:00 pm—4:20 pm	I166	UMID: A National Initiative for DNA-Based Identification of Unidentified Dead Bodies in India Chittaranjan Behera, MD*
4:20 pm—4:40 pm	DISCUSSION AND Q&A	