

The Society for Ultrastructural Pathology

UltraPath XIX Program

June 25th 2018 – June 29th 2018

Hotel Viking

Newport, Rhode Island, USA

Sunday, June 24th (6/24/18)

Time	Title
	Welcome to ULTRAPATH XIX
15:00 – 18:00	Registration of UltraPath XIX – Hotel Viking Lobby
18:00 –20:00	Reception (Viking Hotel Restaurant Patio - Weather permitting)

Monday, June 25th (6/25/18)

Time	Title	Presenter(s)/Moderator(s)	Duration
07:00 – 08:15	Breakfast (Thames Room)		75 min
08:15 – 08:30	Welcome & Introduction	G. Crisi	15 min
	Pediatric Pathology / Ultrastructural Path 101	G. Mierau/E. Wartchow	
08:30 – 09:10	Review of Cell Structure	G. Mierau	40 min
09:10 – 09:45	Liver Disease	G. Mierau	35 min
09:45 – 10:00	Intestinal Disease	G. Mierau	15 min
10:00 – 10:15	Open Discussion	G. Mierau & E. Wartchow	15 min
10:15 – 10:45	Break (Coffee /Posters & Exhibits)		30 min
10:45 – 11:20	Renal Disease	E. Wartchow	35 min
11:20 – 12:00	Respiratory Disease	E. Wartchow	40 min
12:00 – 12:30	Update on Surfactant Deficiencies in Pediatric Lung Disease	J. Hicks	30 min
12:30 – 13:30	Lunch (Thames Room)		60 min
13:30 – 14:10	Metabolic Storage Disease	G. Mierau	40 min
14:10 – 14:35	Hematologic Disease	G. Mierau	25 min
14:35 – 15:00	Skin Disease	G. Mierau	25 min
15:00 – 15:30	Muscle Disease	E. Wartchow	30 min
15:30 – 16:00	Break		30 min
16:00 – 16:35	Management of the EM Service	G. Mierau	35 min
16:35 – 17:00	Open Discussion	G. Mierau	25 min
17:30	Adjourn		

Tuesday, June 26th (6/26/18)

Time	Title	Presenter(s)/Moderator(s)	Duration
07:00 – 08:15	Breakfast (Thames Room)		75 min
		E. Wartchow/G. Nunnemacher	
08:15 – 09:00	<u>President's Lecture:</u> How Good is Good Enough? Diagnosis/Data from Suboptimal Specimens	S. Miller	45 min
09:00 – 09:45	<u>Tribute Lecture:</u> Then and Now – The Legacy of a Pioneer in Ultrastructural Pathology	J. Hicks	45 min
09:45 – 10:15	<u>Tribute Lecture:</u> Diagnostic Electron Microscopy and the Influence of Juan Rosai	G. Crisi	30 min
10:15 – 10:45	Break (Coffee /Posters & Exhibits)		30 min
	General / Research Session	G. Crisi/ D. Howell	
10:45 – 11:30	Morphological Markers and Molecular Insights: Diagnosis and Pathogenesis of Heritable Keratinization Disorders	I. Hausser	45 min
11:30 – 12:00	Utility of Electron Microscopy in Liver Biopsies from Neonates and Infants: Experience of a Single Children's Hospital (1991- 2017)	M. Warren	30 min
12:00 – 12:15	Hepatic Organoids Co-populated with Hepatocytes and Cholangiocytes: Towards Engineered Liver Grafts with Biliary Drainage	E. Hafiz	15 min
12:15 – 12:30	Histologic and Ultrastructural Features in Early and Advanced Phases of Zellweger Spectrum Disorder (Infantile Refsum Disease)	M. Warren	15 min
12:30 – 13:30	Lunch (Garden Room)		60 min
	Infectious Diseases	E. Pavlisko/N. van der Wel	
13:30 – 14:15	How Mycobacteria Cross Membranes and the Blood Brain Barrier	D. Picavet; L. Leeuwen; A. Grootemaat; W. Tigchelaar-Gutter; A. van der Sar; N. van der Wel	45 min
14:15 – 14:45	Electron Microscopy in the Diagnosis of Viral Infections: Is it Time to Give it up?	D. Howell; S. Miller	30 min
14:45 – 15:15	Poxvirus Versus Herpesvirus? EM to the Rescue	S. Miller	30 min
15:15 – 15:30	Lanthanum Deposition in the Gastrointestinal Tract	D. Harrell; M. Feely; N. Rudawski; W. Clapp	15 min
15:30 – 16:00	Break (Coffee /Posters & Exhibits)		30 min
	Cytology	S. Pawlak	
16:00 – 16:30	EM of Limited Samples in the Practice of Cytology	E. Turbat-Herrera	30 min
16:30 – 17:00	Cytologic and Ultrastructural Features of Bronchoalveolar Lavage in Patients with Chronic Granulomatous Disease	M. Warren	30 min
17:00	Adjourn		

Wednesday, June 27th (6/27/18)

Time	Title	Presenter(s)/Moderator(s)	Duration
07:00 – 08:30	Breakfast (Thames Room)		90 min
	Neuromuscular Diseases	A. Buckley/D. Anthony	
08:30 – 09:15	The Role of Electron Microscopy in the Diagnosis of Congenital Myopathies	A. Huttner	45 min
09:15 – 10:00	Inflammatory and Other Acquired Myopathies	P. Pytel	45 min
10:00 – 10:15	Mitochondrial Disorders: The Need for Precision Ultrastructural Analysis in Clinical Diagnosis	A. Buckley	15 min
10:15 – 10:45	Break (Coffee /Posters & Exhibits)		30 min
10:45 – 11:30	The Role of Electron Microscopy in the Diagnosis and Management of Patients with Lesions of the Pituitary Region: Past, Present, and Future	S. Asa	45 min
11:30 – 12:15	Peripheral Nerve: Ultrastructural Morphology and Diagnostic Applications	P. Donahue	45 min
12:15 – 12:30	Discussion Session	D. Anthony	15 min
12:30 – 13:30	Lunch (Thames Room)		60 min
13:30 – 17:00	(Optional) Tour of Breakers & Historic Downtown Newport		
17:30	Shuttle BUS pick up for Ocean Cliff resort (Hotel Viking)		
18:00 – 22:00	Society for Ultrastructural Pathology XIX Gala dinner, Ocean Cliff		

Thursday, June 28th (6/28/18)

Time	Title	Presenter(s)/Moderator(s)	Duration
07:00 – 08:15	Breakfast (Thames Room)		75 min
	Pulmonary Diseases	S. Miller/I. Hausser	
08:15 – 08:45	Pediatric Pulmonary Neoplasia: Current Perspectives	J. Hicks	30 min
08:45 – 09:15	Fiber Analysis of Lung Tissue: An Overview	V. Roggli	30 min
09:15 – 09:30	Dusting Off the Numbers of In Situ Particle Analysis: A Twenty-Five Year Experience	J. Carney; E. Pavlisko; T. Sporn; V. Roggli	15 min
09:30– 09:45	Dimensions of Elongated Mineral Particles: A study of More Than 570 Fibers From More than 90 Cases with Implications for Pathogenicity and Classification as Asbestiform vs. Cleavage	V. Roggli; C. Green	15 min
09:45 – 10:00	Malignant Mesothelioma Secondary to Prior Radiation Therapy for Mesothelioma and Solitary Fibrous Tumor of the Pleura: A Case Report	G. de Ridder; S. McKee; L. Chirieac; S. Mills; V. Roggli	15 min
10:00 – 10:15	Malignant Mesothelioma with Indeterminate Lung Fiber Burdens: An Analysis of 24 Cases	E. Pavlisko; T. Sporn; V. Roggli	15 min
10:15 – 10:45	Break (Coffee /Posters & Exhibits)		30 min
	Soft Tissue Diseases	G. Crisi/J. Brealey	
10:45 – 11:45	Update on Soft Tissue Tumors with Multimodal Diagnostic Techniques	J. Hicks	60 min
	Transplant EM and Renal Diseases		
11:45 – 12:30	Electron Microscopy of Transplant Kidney Biopsies	J. Brealey	45 min
12:30 – 13:30	Lunch (Thames Room)		60 min
13:30 – 14:00	Electron Microscopy in the Diagnosis of Focal Renal Lesions	D. Howell	30 min
14:00 – 14:15	Membranoproliferative Patterns of Glomerular Injury Resolved by Electron Microscopy	S. Gopal, L. Shoemaker, Lawrence, N. Gupta, WL Clapp	15 min
14:15 – 14:25	Ultrastructural Identification of a Proximal Tubulopathy Without Crystals in a Relapsed Multiple Myeloma Patient	J. Brealey; Y. Tran; R. Ninnes; A. Abeyaratne	10 min
14:25 – 15:00	Proximal Tubulopathies Associated with Monoclonal Light Chains: the spectrum of clinicopathologic manifestations and the value of electron microscopy in their characterization	G. Herrera	35 min
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Time	Title	Presenter(s)/Moderator(s)	Duration
15:00 – 15:30	GLCs Interact with a Receptor on Mesangial Cells to Effect Downstream Pathogenic Results: How Electron Microscopy was Instrumental and Crucial to Identify the Light Chain Receptor on MCs	E. Turbat – Herrera; J. Teng; C. Zeng; G. Herrera	30 min
15:30 – 16:00	Break (Coffee /Posters & Exhibits)		30 min
16:00 – 16:30	Monoclonal Gammopathies of Renal Significance (MGRS): The Role of Electron Microscopy	G. Herrera	30 min
16:30 – 16:45	IgAND?: Three Cases of the Not-So-Common	G. de Ridder; D. Howell	15 min
16:45 – 17:15	EM diagnostic challenges: Is what we are seeing ‘real’ or an artefact?	J. Brealey	30 min
17:15	Adjourn		

Friday, June 29th (6/29/18)

Time	Title	Presenter(s)/Moderator(s)	Duration
07:00 – 08:15	Breakfast (Thames Room)		75 min
	New Technologies & EM Applications	D. Howell	
08:15 – 08:45	Efficient 3D Characterization of Resin-Embedded Biological Samples Using SBFI-SEM & MED-SEM	Thermo Fisher Scientific / B. Gonzalez	30 min
08:45 – 09:15	Benefits of Low Voltage Electron Microscopy as it relates to Ultrastructural Pathology	DeLong American Inc. / J. Lapkowski	30 min
09:15 – 10:00	Cryo-Electron Microscopy and its Applications	C. Xu	45 min
10:00 – 10:15	Discussion session		15 min
10:15 – 10:45	Break (Coffee /Posters & Exhibits)		30 min
10:45 – 11:15	Optimized for Speed: Automated Specimen and Grid Processing for TEM	Microscopy Innovations / T. Strader	30 min
11:15 – 11:30	Discussion		15 min
11:30 – 12:45	Business Meeting		75 min
12:45	Adjourn		

Poster Presentations:

Title: Congenital Cutaneovisceral Angiomatosis vs Multifocal Lymphangioendotheliomatosis: Characterization of a Blood Vessel Origin via Histology, Immunohistochemistry and Electron Microscopy for a Novel Disease

E. Ho, A. Razak, J. Shah, J. Arredondo

Title: Chasing the Dream of Being a Savvy Scoper...

S. Damgard, L. Cummin, J. Grande, J. Charlesworth

Title: Ultrastructural Identification of a Proximal Tubulopathy Without Crystals in a Relapsed Multiple Myeloma Patient

J. Brealey; Y. Tran; R. Nannes; A. Abeyaratne

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