

## **ELLEN-THÉRÈSE LAMM**

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Histology Laboratory Manager – 1991-present | [www.morhistologylab.org](http://www.morhistologylab.org)



### **EDUCATION:**

#### **Montana State University, Bozeman, MT**

##### **Non-degree Graduate Student**

1996 – present

Molecular & Cellular Biology; Histology; Immunology; Advanced Cellular & Molecular Biology; French I & II; Ballet; English Equitation

#### **Rutgers University, Cook College, New Brunswick, NJ**

##### **B.S. in Animal Sciences**

1989

Major – Pre-Veterinary Medicine, Minor – Natural Resource Management

### **INSTRUCTOR FOR WORKSHOPS:**

#### **THE PROCESS OF PALEOHISTOLOGY AND ADVANCED TECHNIQUES**

2017

4th International Symposium on Paleohistology (ISPH)

New Jersey State Museum, Trenton, New Jersey.

#### **PALEOHISTOLOGY: CONCEPTS, RESEARCH QUESTIONS AND TECHNIQUES**

2016

THE 42<sup>ND</sup> ANNUAL NATIONAL SOCIETY OF HISTOTECHNOLOGY SYMPOSIUM

LONG BEACH, CALIFORNIA, USA. Presented By: Ellen-Thérèse Lamm & Christian Heck, OK State Univ. - Center for Health Sciences.

#### **PALEOHISTOLOGY TECHNIQUES - BASIC AND ADVANCED**

2015

3rd International Symposium on Paleohistology (ISPH)

Steinmann Institute, Bonn, Germany.

#### **PALEOHISTOLOGY: CONCEPTS, APPLICATIONS AND TECHNIQUES WORKSHOP**

THE 40<sup>TH</sup> ANNUAL NATIONAL SOCIETY OF HISTOTECHNOLOGY SYMPOSIUM

AUSTIN, TEXAS, USA. Presented By: Ellen-Thérèse Lamm & Damien Laudier, Laudier Histology, New York, NY.

#### **PALEOHISTOLOGY: CONCEPTS, APPLICATIONS AND TECHNIQUES WORKSHOP**

THE 38<sup>TH</sup> ANNUAL NATIONAL SOCIETY OF HISTOTECHNOLOGY SYMPOSIUM VANCOUVER,

B.C., CANADA. Presented By: Ellen-Thérèse Lamm & Damien Laudier, Laudier Histology, New York, NY.

### **TEACHING EXPERIENCE:**

#### **Montana State University (MSU)**

Paleohistology Techniques (GEO 490/590)

Spring 2017

Paleohistology Techniques (GEO 480)

Spring 2005

Individual Problems Classes (GEO 470/570)

2004 – present

**Museum of the Rockies (MOR)**

**Paleohistology Advanced Training** July 2013  
Students From: Macalester; U.C. Berkeley; Johns Hopkins

**Contract Training Sessions with visiting researchers (7-10 days)** 2004 – present  
James Farlow – INSM Purdue; Sarah Werning – UC Berkeley  
Paul Brinkman – N.C. State; Jeremy Green – N.C. State; Carrie Levitt – Univ. of Utah

**Paleohistology Lab Techniques** Annual  
For: Staff, Students, Volunteers and Docents

**Society of Vertebrate Paleontology (SVP) Workshops**

SVP Annual Meeting – Denver, CO (2004); SVP Annual Meeting – Bozeman, MT (2001)

**RELATED EXPERIENCE:**

**International Symposium on Paleohistology Biennial Meeting** July 2013  
Organizing Committee Co-Chair and ISPH Abstract Volume Editor

**MOR/MSU Outreach** 2001 – present  
Created “Digging Deeper into Dinosaurs” program to introduce paleohistology to kids and teens at day camps and conferences: (MSU-Expanding Your Horizons, Bozeman-Girls for a Change, Montana-Camp Huff & Puff, MOR-Dino Camps).

**MOR Reptile Caretaker** 1991 – 1997  
Responsible for reptile care, feeding, habitat construction, and maintenance of rodent population for a wide variety of live reptiles: (turtles, lizards, caiman, alligators, python).

**Rutgers University – School of Osteopathic Medicine** 1985 – 1989  
**Senior Laboratory Technician /Dr. Rocco V. Carsia**  
Large animal and avian handling, specimen collection, lab and budget maintenance, endocrinology assays – RIA and HPLC, surgery (implant and catheterization), cell and blood sample preparation.

**SELECT AWARDS – PHOTOMICROGRAPH COMPETITIONS:**

<b>Buehler Ltd.</b>	<i>Tyrannosaurus</i>	<b>2012</b>
<b>Olympus BioScapes</b>	<i>Triceratops</i>	<b>2009</b>
<b>Buehler Ltd.</b>	<i>Tyrannosaurus</i>	<b>2008</b>
<b>Buehler Ltd.</b>	<i>Lambeosaurus</i>	<b>2007</b>
<b>Microscopy Society of America</b>	<i>Maiasaura</i>	<b>2007</b>
<b>Buehler Ltd.</b>	<i>Maisaura</i>	<b>2006</b>
<b>Microscopy Society of America</b>	<i>Tyrannosaurus</i>	<b>2006</b>

**AWARDS FOR TECHNICAL EXPERTISE, EDUCATION AND PUBLICATION:**

National Society for Histotechnology – Polysciences Ann Preece Award	<b>2016</b>
National Society for Histotechnology – Leonard Noble Scholarship	<b>2015</b>

**MEMBERSHIPS:****National Society for Histotechnology**Workshop Presenter: Long Beach (**2016**), Austin (**2014**), Vancouver (**2012**)**Society of Vertebrate Paleontology**Committee Member – Preparators' Grant Committee (**2009-2013**)**Microscopy Society of America**Symposium Coordinator for: 'Microscopy and Paleontology' and Family Science Session (**2007**)**CONTINUING EDUCATION:**

<b>Hooke College of Applied Sciences</b>	<b>2019</b>
'Photomicrography and Scientific Imaging' - 3-day Training	

**National Society for Histotechnology****2012 – 2016**

Workshops: Hard-tissue Techniques; Plastic Resins; Digital Pathology; Histomorphometry; Historical Microscopy; Chemistry of Staining.

**Montana State University (MSU)****2009**

FESEM Microscope training at MSU – ICAL Facility

**Microscopy Society of America****2006**

'What to do with a variable pressure SEM (VPSEM).'

**SELECT PRESENTATIONS:**

<b>"DINOSAURS ON THE CUTTING EDGE" UNDERSTANDING EXTINCT ANIMALS THROUGH PALEOHISTOLOGY</b>	<b>2019</b>
GALLATIN VALLEY FRIENDS OF THE SCIENCES	

<b>THIRTY YEARS OF DIGGING DEEPER INTO DINOSAURS!</b>	<b>2017</b>
<b>THE MUSEUM OF THE ROCKIES PALEOHISTOLOGY PROGRAM</b>	
AMERICAN SOCIETY FOR CLINICAL LABORATORY SCIENCE	

<b>HISTOLOGICAL PREPARATION OF A COLUMBIAN MAMMOTH (MAMMUTHUS COLUMBI) TUSK FOR DISPLAY</b>	<b>2012</b>
THE 5TH ANNUAL FOSSIL PREPARATION AND COLLECTIONS SYMPOSIUM	
THE BURKE MUSEUM, UNIVERSITY OF WASHINGTON, SEATTLE.	

**PUBLICATIONS:**

LAMM, E-T. 2018. **"TEST YOUR KNOWLEDGE" (TRICERATOPS)**, JOURNAL OF HISTOTECHNOLOGY, VOL 41(1):36-37.

LAMM, E-T. 2015. **"TEST YOUR KNOWLEDGE" (MAIASAURA)**, JOURNAL OF HISTOTECHNOLOGY, VOL 38(4):161.

LAMM, E-T. 2014. **"TEST YOUR KNOWLEDGE" (TYRANNOSAURUS)**, JOURNAL OF HISTOTECHNOLOGY, VOL 37(4):159.

LAMM ET. 2013. **CHAPTER 4 - PREPARATION AND SECTIONING OF SPECIMENS**. IN *BONE HISTOLOGY OF FOSSIL TETRAPODS: ADVANCING METHODS, ANALYSIS AND INTERPRETATION*, (EDS PADIAN K, LAMM ET), PP. 55–160. UNIVERSITY OF CALIFORNIA PRESS, BERKELEY.

PADIAN KP, LAMM ET, WERNING S. 2013. **CHAPTER 3 - SELECTION OF SPECIMENS**. IN *BONE HISTOLOGY OF FOSSIL TETRAPODS: ADVANCING METHODS, ANALYSIS AND INTERPRETATION*, (EDS PADIAN K, LAMM ET), PP. 35–54. UNIVERSITY OF CALIFORNIA PRESS, BERKELEY.

HORNER, J.R., LAMM, E.T. 2011. **ONTOGENY OF THE PARIETAL FRILL OF TRICERATOPS: A PRELIMINARY HISTOLOGICAL ANALYSIS**. *COMPTES RENDUS PALEVOL* 10(5-6):439-452.

GREEN, J.L., SCHWEITZER, M.H., LAMM, E.T. 2010. **LIMB BONE HISTOLOGY AND GROWTH IN PLACERIAS HESTERNUS (THERAPSIDA: ANOMODONTIA) FROM THE UPPER TRIASSIC OF NORTH AMERICA**. *PALAEONTOLOGY* 53(2):347-364.

LAMM, E.T. 2007. **PALEOHISTOLOGY WIDENS THE FIELD OF VIEW IN PALEONTOLOGY**. *PROCEEDINGS – MICROSCOPY AND MICROANALYSIS* 13(2):50.

SCHWEITZER, M.H., ELSEY, R.M., DACKE, C.G., HORNER, J.R., LAMM, E.T. 2007. **DO EGG-LAYING CROCODYLIAN (ALLIGATOR MISSISSIPPIENSIS) ARCHOSAURS FORM MEDULLARY BONE?** *BONE* 40(4):1152-1158.

LEE, A., BYBEE, P. AND LAMM, E.T. 2006. **SIZING UP THE JURASSIC THEROPOD ALLOSAURUS: ASSESSING GROWTH STRATEGY AND EVOLUTION OF ONTOGENETIC SCALING OF LIMBS**. *JOURNAL OF MORPHOLOGY* 267:347-359.

DE RICQLÈS, A.J., PADIAN, K.P. HORNER, J.R., LAMM, E.T., MYHRVOLD, N. 2003. **OSTEOHISTOLOGY OF CONFUCIUSORNIS SANCTUS (THEROPOD:AVES)**. *JOURNAL OF VERTEBRATE PALEONTOLOGY* 23 (2):373-386.

**ABSTRACTS:**

FOX, M., LAMM, E-T., SCANNELLA, J. 2018. **HISTOLOGICAL SAMPLING OF YPM 1831, THE HOLOTYPE OF TOROSAURUS "GLADIUS": FOSTERING PALEONTOLOGICAL DISCOVERIES THROUGH MUSEUM/RESEARCHER COLLABORATIONS.** *JOURNAL OF VERTEBRATE PALEONTOLOGY*, PROGRAM AND ABSTRACTS, P.129.

LAMM, E.T., MACGUIRE, K.C., GOODWIN, MB. 2012. **HISTOLOGICAL PREPARATION OF A COLUMBIAN MAMMOTH (*MAMMUTHUS COLUMBI*) TUSK FOR DISPLAY** THE 5TH ANNUAL FOSSIL PREPARATION AND COLLECTIONS SYMPOSIUM.

HORNER, J.R., LAMM, E.T. 2009. **METAPLASIA PROVIDED DINOSAUR SKULLS EXTREME MORPHOLOGICAL PLASTICITY DURING ONTOGENY.** *JOURNAL OF VERTEBRATE PALEONTOLOGY* 29(SUPP.3).

DACKE, C.G., ELSEY, R.M., TOSCLAIR III, P.L., SCHWEITZER, M.H., LAMM, E.T. 2007. **CALCIUM METABOLIC STRATEGIES IN EGGLAYING COCODILIAN (*ALLIGATOR MISSISSIPPIENSIS*) ARCHOSAURS.** *BONE* 40:(6-SUPP. 2):S103.

LEE, A., BYBEE, P., LAMM, E.T. 2005. **ONTOGENETIC HISTOLOGY OF *ALLOSAURUS* (DINOSAURIA:THEROPODA): ASSESSING GROWTH TRAJECTORY AND EVOLUTION OF ONTOGENETIC LIMB ALLOMETRY.** *JOURNAL OF VERTEBRATE PALOEONTOGY* 25(SUPP.3).

LAMM, E.T. 2001. **PUT IT BACK THE WAY YOU FOUND IT: RESTORATION OF HISTOLOGICAL FOSSIL SPECIMENS.** *JOURNAL OF VERTEBRATE PALEONTOLOGY* 21(3):71A.

ANCELL, C.V., LAMM, E.T. 2001. **DECONSTRUCTION AND RECONSTRUCTION OF A *PACHYCEPHALOSAURUS* SKULL FOR HISTOLOGICAL EXAMINATION AND EXHIBIT.** *JOURNAL OF VERTEBRATE PALEONTOLOGY* 21(3):28A.

LAMM, E.T. 1999. **HISTOLOGICAL TECHNIQUES FOR SMALL PALEONTOLOGICAL SPECIMENS.** *JOURNAL OF VERTEBRATE PALEONTOLOGY* 19(3):58A.

LAMM, E.T. 1998. **NEW METHODS FOR THE PREPARATION AND SYSTEMATIC ORGANIZATION OF HISTOLOGICAL SECTIONS.** *JOURNAL OF VERTEBRATE PALEONTOLOGY* 18(3):58A.

GENTRY, A., LAMM, E-T. 1993. **THIN-SECTION PREPARATION OF FOSSIL MATERIAL FOR HISTOLOGICAL STUDY.** *JOURNAL OF VERTEBRATE PALEONTOLOGY* 13(3):37A.

**ENDOCRINOLOGY PUBLICATIONS:**

CARSIA RV, LAMM ET, MARSH JA, SCANES CG, KING DB. 1997. **THE THYROID HORMONE 3,5,3'-TRIIODOTHYRONINE, IS A NEGATIVE MODULATOR OF DOMESTIC FOWL (*GALLUS GALLUS DOMESTICUS*) ADRENAL STEROIDOGENIC FUNCTION.** *GENERAL AND COMPARATIVE ENDOCRINOLOGY* 107(2): 251-261.

KOCSIS JF, LAMM ET, MCILROY PJ, SCANES CG, CARSIA RV. 1995. **EVIDENCE FOR FUNCTIONALLY DISTINCT SUBPOPULATIONS OF STEROIDOGENIC CELLS IN THE DOMESTIC TURKEY (*MELEAGRIS GALLOPAVO*) ADRENAL GLAND.** *GENERAL AND COMPARATIVE ENDOCRINOLOGY* 98(1): 57-72.