

# Laura M. Warmke, MD

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## PROFESSIONAL WORK HISTORY

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2020-Present **Assistant Professor of Clinical Pathology & Laboratory Medicine**  
Indiana University School of Medicine

## LICENSURE & CERTIFICATIONS

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2018-Present **Board-certified in Anatomic Pathology/Clinical Pathology (AP/CP)**  
American Board of Pathology (06/21/2018, Certificate #18-475)

2020-Present **Indiana Medical License**  
(01083659A, expires 10/31/2023)

2009-Present **BLS Provider**  
American Heart Association (Most Recent Issue Date: 07/24/2020)

## POSTGRADUATE TRAINING

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2019-2020 **Selective Bone & Soft Tissue Pathology Fellow**  
The University of Texas MD Anderson Cancer Center | Houston, TX

2018-2019 **Selective Surgical Pathology Fellow**  
The University of Texas MD Anderson Cancer Center | Houston, TX

2017-2018 **AP/CP Pathology Chief Resident**  
Virginia Commonwealth University Health System | Richmond, VA

2014-2017 **AP/CP Pathology Resident**  
Virginia Commonwealth University Health System | Richmond, VA

## EDUCATION

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2010 – 2014 **Doctor of Medicine (M.D.)**  
Virginia Commonwealth University School of Medicine | Richmond, VA

2005 – 2009 **Bachelor of Science (B.Sc.) in Chemistry with Distinction, Minor in Studio Art**  
University of Virginia | Charlottesville, VA

## PUBLICATIONS

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- **Warmke L**, N Maloney, CH Leung, *et al.* SATB2 expression in undifferentiated pleomorphic sarcomas of bone. *In Progress/Under Review*
- **Warmke L**, Meis JM. *EWSR1-PATZ1*-rearranged sarcoma with rhabdomyoblastic differentiation— case report and review of the literature. *Accepted for Publication in Human Pathology Case Reports*
- **Warmke L**. Ewing sarcoma. PathologyOutlines.com website. <https://www.pathologyoutlines.com/topic/boneewing.html>.
- **Warmke L**, Meis J. Spindle cell/pleomorphic lipoma. PathologyOutlines.com website. <https://www.pathologyoutlines.com/topic/softtissueadiposepleomorphicgeneral.html>
- Meis JM, **Warmke L**, Madewell JE, Roland CL, Nguyen AT, Curry JL. Pseudosarcomatous nodules of the skin in the setting of chronic lymphedema: a diagnostic pitfall of malignancy. *In Progress/Under Review*
- Collins K, J Muldoon, **L Warmke**, M Idrees. Differential and ancillary testing in the diagnosis of perinephric myxoid pseudotumor of fat: a case report and review of the literature. *Accepted for Publication in AJSP: Reviews & Reports*
- Collins K, Al-Obaidy K, **Warmke L**, *et al.* Localized amyloidosis of the prostatic urethra mimicking urothelial carcinoma. *Accepted for Publication*
- Collins K, E Brocken, **L Warmke**, *et al.* Renal replacement lipomatosis presenting in the setting of ureteral stricture with absence of renal calculus disease. *Accepted for Publication in Case Reports in Pathology*
- **Warmke L**, Meis JM. Sclerosing epithelioid fibrosarcoma: a distinct sarcoma with aggressive features. *Am J Surg Pathol.* 2021; 45(3): 317-328.
- Aung PP and **Warmke L**. *Malignant solitary fibrous tumor (inguinal region)*. 2021 PIP-A Performance Improvement Program in Surgical Pathology (CME eligible). © 2021 College of American Pathologists - CME Self-Assessment Module released March 2021.
- **Warmke L**, Vining D, Ward J, *et al.* Paratesticular clear cell carcinoma of Müllerian origin—A case report. *Human Pathology: Case Reports.* 2020; 21: 200401.
- Riley RS, Khan A, Pai S, **Warmke L**, Winkler MR, Gunning WT. A case of chronic thrombocytopenia in a 17-year-old female. *Laboratory Medicine.* 2019; 50(4): 406-420.
- Sayeed S, Xing D, Jenkins SM, Weisman PS, Buehler D, **Warmke L**, Uram-Tuculescu C, Bakkum-Gamez JN, Howitt BE, Cortese C, Park KJ, Schoolmeester JK. Criteria for Risk Stratification of Vulvar and Vaginal Smooth Muscle Tumors: An Evaluation of 71 Cases Comparing Proposed Classification Systems. *Am J Surg Pathol.* 2018 Jan; 42(1): 84-94.
- Yadav K, Cottrell A, Kimball P, **Warmke L**, Contos M, Gupta G, King A, Kumar D, Levy M. Antibody mediated rejection due to de-novo DSA causing venous thrombosis of pancreas allograft- A case report. *Transpl Immunol.* 2018 Jan 6.
- **Warmke L**, Wiles A, Dumur CI, *et al.* Targeted next-generation sequencing traces the origin of a poorly differentiated malignancy. *AJSP: Reviews & Reports.* 2017; 22: 3. [Cover Article]

## ABSTRACTS

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- Shaheen M, **Warmke L**, Mesa H. Fine needle aspiration of a *EWSR1-NFATC2* translocation-associated sarcoma: cytologic features of a rare bone tumor mimicking a benign lesion. *Under Review for 2022 United States and Canadian Academy of Pathology Annual Meeting*
- Puello B, **Warmke L**. Matrix-associated sarcomas clinically mimicking a thrombosed (pseudo)aneurysm: an important diagnostic pitfall. *Under Review for 2022 United States and Canadian Academy of Pathology Annual Meeting*
- Muldoon J, **Warmke L**. Extraskeletal mesenchymal chondrosarcoma mimicking a thrombosed venous aneurysm with femoral vein involvement: a case report. *Presented at the 2021 American Society of Clinical Pathology Meeting.*
- Collins K, **Warmke L**, Idrees M. Perinephric myxoid pseudotumor of fat: a rare and emerging entity. *Presented at the 2021 College of American Pathologists Meeting.*
- Collins K, Al-Obaidy K, **Warmke L**, et al. Localized amyloidosis of the prostatic urethra mimicking urothelial carcinoma. *Presented at the 2021 College of American Pathologists Meeting.*
- Collins K, Brocken E, Phillips CL, **Warmke L**, Hwang M. Renal lipomatosis associated with transplantation: a rare entity and diagnostic challenge. *Presented at the 2021 College of American Pathologists Meeting.*
- **L Warmke**, J Meis. Comparison of Core Biopsy and Resection Specimen Diagnoses of Bone Lesions at a Musculoskeletal Tumor Center. *Presented at the 2019 United States and Canadian Academy of Pathology Annual Meeting in National Harbor, Maryland.*
- S Sayeed, D Xing, P Weisman, D Buehler, **L Warmke**, C Uram-Tuculescu, C Cortese, J. K Schoolmeester. Prognostic Criteria in Vulvar and Vaginal Smooth Muscle Tumors: Evaluation of 68 Cases Comparing Multiple Classification Systems. *Presented at the 2017 United States and Canadian Academy of Pathology Annual Meeting in San Antonio, TX.*
- **L Warmke**, A Wiles, CI Dumur, MJ Contos, SC Smith. Next Generation Sequencing (NGS) Solves Autopsy Mystery of Metastatic Poorly Differentiated Malignancy. *Presented at the 2016 United States and Canadian Academy of Pathology Annual Meeting in Seattle, WA.*
- S Sayeed, **L Warmke**, A Kraft, M Idowu, C Powers. Tumor area measurement as a parameter for determination of specimen adequacy in the selection of EBUS-FNA specimens for Oncogenomic Dx, next generation sequence analysis. *Presented at the 2016 United States and Canadian Academy of Pathology Annual Meeting in Seattle, WA.*
- S Sayeed, **L Warmke**, C Uram-Tuculescu, SC Smith. Undifferentiated Round Cell Sarcoma with CIC Gene Rearrangement: A Case Report. *Presented at the 2015 Fall Virginia Society of Pathology Meeting.*
- **L Warmke**, N Vadlamudi, MO Idowu, MJ Contos. What is the Clinical Significance of Intestinal Metaplasia in Stomach Biopsies of Pediatric Patients? *Presented at the 2015 United States and Canadian Academy of Pathology Annual Meeting in Boston, MA.*
- **L Warmke**, M Grimes. Cardiovascular Pathology in Obstructive Sleep Apnea: A Retrospective Autopsy Study. *Presented at the 2013 United States and Canadian Academy of Pathology Annual Meeting in Baltimore, MD.*

## **NATIONAL APPOINTMENTS**

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- 2018-2019 Resident Member, Pathology Milestone 2.0 Working Group
- 2017-2019 Resident Member, ACGME Review Committee for Pathology
- 2017-2019 Resident Member, ACGME Council of Review Committee Residents (CRCR)
- 2015 – 2017 College of American Pathologists Resident Forum, Delegate

## **INSTITUTIONAL APPOINTMENTS (INDIANA UNIVERSITY)**

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- 2021 – Present Instructor, Preparing for Professional Practice, Indiana University School of Medicine
- 2020 – Present Clinical Competency Committee
- 2020 – Present Surgical Pathology Faculty Search Committee
- 2020 – Present Orthopedic Tumor Board, weekly
- 2020 – Present Sarcoma Tumor Board, bi-monthly

## **INSTITUTIONAL APPOINTMENTS (VIRGINIA COMMONWEALTH UNIVERSITY)**

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- 2017 Resident Member, Dr. Michael Idowu Promotion Committee
- 2014 – 2018 Blood Utilization Committee, ad hoc
- 2014 – 2018 Resident Mentor, VCU Medical Student Pathology Interest Group
- 2014 – 2018 Resident Applicant Interviewer
- 2014 – 2018 Instructor, Medical Technologist Continuing Education Series
- Placenta Accreta
  - Japanese Blood Group Culture
  - Case Report from Cambodia: Ulcerative Colitis & Hemoglobin E
- 2014- 2018 Instructor, Medical Student MII Pathology Course
- Gross Anatomy Lab
  - Foundations of Disease Small Group Sessions
  - Renal Course
  - Cardiovascular Course
  - Respiratory Course

## **RESEARCH EXPERIENCE**

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2009 **University of Virginia Department of Chemistry**  
Investigated the 1zh8 protein from the hyperthermophilic bacteria  
*Thermotoga maritima* and its putative function as an oxidoreductase

2008 – 2009 **University of Virginia Center for Addiction Research and Education**  
University of Virginia School of Medicine Department of Psychiatry  
Screened patients for alcohol, inpatient cocaine, and dual dependence  
studies

## EXAMINATIONS

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2012 USMLE Step 1: Passed  
2013 USMLE Step 2 CS: Passed  
2013 USMLE Step 2 CK: Passed  
2015 USMLE Step 3: Passed  
2018 AP/CP Board Examination: Passed

## PROFESSIONAL ORGANIZATIONS

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2014 – Present United States and Canadian Academy of Pathology  
2014 – Present College of American Pathologists  
2014 – Present American Society of Clinical Pathology  
2014 – 2018 Virginia Society of Pathology  
2018 – 2020 Texas Society of Pathologists  
2020 – Present Indiana Association of Pathologists

## PRESENTATIONS

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2022 Invited Speaker, Georgetown University Department of Pathology  
2021 Indiana University Department of Pathology Grand Rounds  
2021 Invited Speaker, Chinese American Pathologists Association (CAPA) Lecture  
2021 Resident Conference: Introduction to Bone and Soft Tissue Pathology  
2021 Resident Conference: Osteogenic Lesions  
2021 Resident Conference: Soft Tissue Unknowns

- 2020 MD Anderson Bone Unknown Case Conference
- 2019 Diagnostic Utility of Molecular Pathology in Primary Bone Tumors  
*Presented at Johns Hopkins University*
- 2019 MD Anderson Sarcoma Section Quality Improvement
- 2019 MD Anderson Journal Club: Adamantinoma-like Ewing Sarcoma
- 2019 Citywide Conference: Paratesticular Clear Cell Carcinoma of Mullerian Origin
- 2019 MD Anderson Gastrointestinal Unknown Case Conference
- 2018 VCU Department of Pathology Grand Rounds
- 2018 Clinical Pathologic Correlation for VCU Department of Internal Medicine
- 2017 Clinical Pathologic Correlation for VCU Department of Internal Medicine
- 2017- 2018 Surgical Pathology Unknowns, Biweekly
- 2017- 2018 Gross Pathology Conference, Monthly
- 2017 Forensic Pathology: Body Packing & Stuffing
- 2016- 2018 GI Tumor Board
- 2010 – 2018 Resident Pathology Conference
  - Mature B-Cell Neoplasms
  - Ebola
  - Hemophilia
  - RISE Review: Cancer Syndromes
  - RISE Review: Mycology
  - Autopsy Case Review
  - Surgical Pathology Case Review
  - Journal Club
  - Cryoglobulinemia
- 2015 – 2016 Microbiology Rounds
  - Postmortem Microbiology
  - Microbiology of Cystic Fibrosis
  - Streptococcus Anginosus
  - Nocardia
  - Alliococcus
  - Zygomycosis and Fusarium
  - Kissing Bug and Chagas Disease

## **WORK EXPERIENCE**

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- 2009 – 2010 Physical Therapy Technician, Advanced Orthopedics
- 2009 – 2010 Chemistry Tutor, J. Sargeant Reynolds Community College
- 2006 – 2008 Summer Intern, Federal Reserve Bank of Richmond
- 2002 – 2003 Freelance Artist, kSERO Corporation
- 2001 Freelance Artist, Edutest.com

## **ACTIVITIES**

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- 2018 MD Anderson Quality Improvement Certificate
- 2015 Osler Pathology Board Review Course
- 2015 Lab Management University
- 2015 CITI Biomedical Training
- 2015 VCU Health Residents as Teachers Level 2 Training, based on *Stanford Faculty Development Framework for Clinical Teaching*
- 2011 – 2012 VCU School of Medicine Pathology Club Co-President
- 2009 – 2010 Emergency Medical Technician- Basic
- 2009 Disaster Preparedness in the West Indies, Study Abroad in St. Kitts and Nevis
- 2008 – 2009 Madison House Medical Services Volunteer, UVA CARE
- 2007 – 2009 Madison House Program Director, Pet Pals Program
- 2005 – 2007 Madison House Pet Pals and Vet Clinic Volunteer
- 2005 – 2007 Richmond Table Tennis Club
- 2005 – 2007 UVA Table Tennis Club, Vice President (2007)
- 2006 Studio Art, Study Abroad in Italy
- 2005 - 2006 Calculus Tutor, Monticello High School

## **HONORS & AWARDS**

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- 2019 MD Anderson Cancer Center Oncologic Pathology Staff Award: Recognition of the Best Fellow Lecture
- 2018 Texas Society of Pathologists Educational Foundation Board Scholarship

- 2017 CAP Foundation Leadership Development Award
- 2017 Arthur Purdy Stout Society's Travel Stipend, one-month of study sponsored by Dr. Saul Suster at the Medical College of Wisconsin
- 2016 VCU Surgical Pathology Award
- 2016 VCU Fergus O'M Shiel Teaching Excellence Award
- 2016 VCU Clinical Pathology Service Award
- 2015 Highest Resident Average on Rosai Surgical Pathology Quizzes
- 2015 VCU Resident Research Award
- 2014 Pathology Honor Society
- 2014 Carytown Cup, Women's Singles Table Tennis Champion, Pong RVA
- 2010 JSR Tutor Award
- 2009 JSR Tutor Award
- 2008 Phi Beta Kappa
- 2008 Raven Society, University of Virginia Honor Society
- 2008 Madison House Volunteer Award (over 100 hours of service)
- 2007 University of Virginia Intermediate Honors, Dean's List Every Semester
- 2007 Golden Key International Honor Society
- 2006 Phi Eta Sigma Honor Society
- 2006 Virginia Open Unrated Table Tennis Singles Champion
- 2005 University of Virginia Echols Scholarship
- 2005 High School Valedictorian
- 2005 Harwood Memorial Scholarship in Science

*References Available Upon Request*