

Laura L. Walters, M.D., Ph.D.

Assistant Professor, Department of Pathology and Laboratory Medicine
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ADDRESS

Corewell Health Beaumont Troy Hospital (East)
44201 Dequindre Road
Troy, MI 48085

EDUCATION AND TRAINING

7/2014 – 6/2015	Fellow, Clinical Lectureship in Breast and Gynecologic Surgical Pathology University of Michigan Health System, Ann Arbor, MI
7/2013 – 6/2014	Fellow, Clinical Lectureship in Surgical Pathology University of Michigan Health System, Ann Arbor, MI
7/2009 – 7/2013	Residency, Anatomic and Clinical Pathology University of Michigan Health System, Ann Arbor, MI
8/2000 – 5/2009	Doctorate of Philosophy, Ph.D. in Microbiology, 2007 Doctor of Medicine, M.D., 2009 University of Wisconsin School of Medicine and Public Health, Madison, WI
8/1996 – 5/2000	Bachelor of Science, B.S. Truman State University, Kirksville, MO

PROFESSIONAL MEMBERSHIPS

Michigan Society of Pathologists (MSP)
United States and Canadian Academy of Pathology (USCAP)
College of American Pathologists (CAP)
American Society for Clinical Pathology (ASCP)
American Society for Microbiology (ASM)
American Physician Scientist Association (APSA)
Sigma Xi Research Society
American Medical Student Association (AMSA)
βββ Biological Honor Society
- President of Psi Zeta Chapter (08/1999-05/2000)
- Vice-President of Psi Zeta Chapter (08/1998-05/1999)

PROFESSIONAL, ACADEMIC, ADMINISTRATIVE, AND CLINICAL POSITIONS

Academic Positions

12/2018 – present	“Diarrhea and Flank Pain,” Medical School IV Diagnostic Medicine Clerkship Oakland University William Beaumont School of Medicine, Rochester, MI
9/2016 – present	“Gastrointestinal Stromal Tumors,” Medical School II Gastrointestinal Pathology Curriculum Oakland University William Beaumont School of Medicine, Rochester, MI
5/2015	“Endometrial Adenocarcinomas,” Pathology Education Series University of Michigan, Ann Arbor, MI
3/2015	Breast Pathology and Gestational Pathology, Medical School II Reproductive Pathology Curriculum, University of Michigan, Ann Arbor, MI
5/2014	“A Whirlwind of Ovarian Tumors,” Pathology Education Series University of Michigan, Ann Arbor, MI
3/2014	Breast Pathology and Lower Genital Tract Pathology, Medical School II Reproductive Pathology Curriculum, University of Michigan, Ann Arbor, MI
5/2012	“To Whipple or Not to Whipple,” Anatomic Pathology Grand Rounds University of Michigan, Ann Arbor, MI
9/2011	“MassARRAY Technology and Cancer,” Molecular Pathology Series University of Michigan, Ann Arbor, MI
4/2011	“Pseudoepitheliomatous Hyperplasia and Laryngeal Blastomycosis” Anatomic Pathology Grand Rounds. University of Michigan, Ann Arbor, MI
3/2010	“Spectrum of Aspergillus Diseases” Anatomic Pathology Grand Rounds University of Michigan, Ann Arbor, MI
10/2009	“Microarrays in Clinical Microbiology,” Clinical Microbiology Education Series University of Michigan, Ann Arbor, MI
2004 – 2006	Mentored Undergraduate Robert Zemple III: Experimental set-up, protein purification and Western blot techniques.
2003 – 2004	Mentored Undergraduate Andrea Akpoguma: Experimental set-up, protein purification and Western blot techniques
8/2003 – 12/2003	Lecture Teaching Assistant for MMI 301: Pathogenic Bacteriology University of Wisconsin, Madison, WI
8/2003 – 12/2003	Laboratory Teaching Assistant for MMI 701: Infection and Immunity University of Wisconsin, Madison, WI
8/1998 – 12/1998	Laboratory Teaching Assistant for BIOL 304: General Microbiology Truman State University, Kirksville, MO
1/1999 – 5/1999	Laboratory Teaching Assistant for BIOL 404: Medical Microbiology Truman State University, Kirksville, MO

Lectures

- 5/2014 "An Ovarian Mass," HP/AP Combined Case Conference
University of Michigan, Ann Arbor, MI
- 8/2011 Enteropathy-Associated T-Cell Lymphoma, Internal Medicine Morbidity and Mortality Conference. University of Michigan, Ann Arbor, MI
- 10/2009 Inflammatory Breast Carcinoma, Internal Medicine Morbidity and Mortality Conference. University of Michigan, Ann Arbor, MI

Clinical Positions

- 4/2019 – present Breast Pathology Consultant
Corewell Health William Beaumont Hospital, Royal Oak, MI
- 11/2018 – present Gynecologic Pathology Diagnostic Focus Group Co-chair
Corewell Health William Beaumont Hospital, Royal Oak, MI
- 11/2018 – present Gynecologic Pathology Consultant, Corewell Health East, Royal Oak, MI
- 4/2018 – 7/2018 Gynecologic Pathology Grossing Standardization Committee
Corewell Health William Beaumont Hospital, Royal Oak, MI
- 9/2017 – 11/2017 Breast Grossing Standardization Committee
Corewell Health William Beaumont Hospital, Royal Oak, MI
- 9/2014 – 7/2015 Pathology Relocation Education, Sign-out, Training and Office Space Workgroup (PRESTO). University of Michigan, Ann Arbor, MI.
- 9/2010 – 6/2013 Service Excellence in Pathology, Resident Representative.
University of Michigan, Ann Arbor, MI

Service

- 2/2004 Haiti Medical Mission of Wisconsin:
Provided general medical care to the people of rural Thoitte, Haiti.
- 2/2003 Haiti Medical Mission of Wisconsin:
Provided general medical care to the people of rural Thoitte, Haiti.
- 2/2002 Haiti Medical Mission of Wisconsin:
Provided general medical care to the people of rural Thoitte, Haiti.
- 8/2000 – 5/2002 MEDIC Outreach Program:
Provided free health care to under-insured individuals in Madison, WI.

PUBLICATIONS

Dinges J, Chopra S, **Walters L**, Meely R, Peterson T. Characterization of the maize P-wr allele using reverse genetics. *Maize Genetics Cooperation Newsletter*. 1999; 73: 3-4.

Grys TE, **Walters LL**, Welch RA. Characterization of the StcE protease activity of Escherichia coli O157:H7. *J of Bacteriol*. 2006; 188:4646-4653. PMID16788173.

Harms PW, Schmidt LA, Smith LB, Newton DW, Pletneva MA, **Walters LL**, Tomlins SA, Fisher-Hubbard A, Napolitano LM, Park PK, Blaivas M, Fantone J, Myers JL, Jentzen JM. Autopsy findings in eight patients with fatal H1N1 influenza. *Am J Clin Path.* 2010; 134:27-35. PM20551263.

Walters LL, Raterman EL, Grys TE, Welch RA. Atypical *Shigella boydii* 13 forms attaching and effacing lesions and encodes stcE on a pO157-like plasmid. *FEMS Microbiology Letters.* 2012; 328:20-25. PM22126649.

Patel RM*, **Walters LL***, Kappes F, Mehra R, Fullen DR, Markovitz DM, Ma L. DEK expression in Merkel cell carcinoma and small cell carcinoma. *Journal of Cutaneous Pathology*, 2012; 39(8):753-757. PM22765016.

Walters LL, Pang JC, Zhao L, Jorns JM. Ductal carcinoma in situ with distorting sclerosis on core biopsy may be predictive of upstage on excision. *Histopathology*, 2015; 66(4):577-86. PM25231210.

Khan M*, **Walters LL***, Li Q, Thomas DG, Miller J, Zhang Q, Sciallis AP, Yiu L, Dlouhy BJ, Fort PE, Archer SM, Demirci H, Dou Y, Rao RC. Characterization and pharmacologic targeting of EZH2, a fetal retinal protein and epigenetic regulator, in human retinoblastoma. *Lab Invest.* 2015; 95(11):1278-90. PM26280220.

Dupont E, Tsangaris T, Garcia-Cantu C, Howard-McNatt M, Chiba A, Berger AC, Levine EA, Gass JS, Gallagher K, Lum SS, Martinez RD, Willis AI, Pandya SV, Brown EA, Fenton A, Mendiola A, Murray M, Solomon NL, Senthil M, Ollila DW, Edmonson D, Lazar M, Namm JP, Li F, Butler M, McGowan NE, Herrera ME, Avitan YP, Yoder B, **Walters LL**, McPartland T, Chagpar AB. Resection of cavity shave margins in stage 0-III breast cancer patients undergoing breast conserving surgery: a prospective multicenter randomized controlled trial. *Ann Surg.* 2019; Epub ahead of print Jul 8. PM31290763.
*These authors contributed equally to this work.

PRESENTATIONS

- 7/1998 **Walters LL**, Chopra S, Peterson T. Mapping of Mutator transposable element insertion in the P-wr gene of maize. Platform presentation at Iowa State University NSF-REU Research Symposium, Iowa State University, Ames, IA, July 1998.
- 4/1999 **Walters LL** and Herrera J. Determination of physiological adaptation to aflatoxin B1 in banner-tailed kangaroo rats (*Dipodomys spectabilis*). Platform presentation at National Conference for Undergraduate Research (NCUR), Rochester, NY, April 1999.
- 8/1999 **Walters LL**, Melton RJ, Blanco G, Mercer RW. Role of the beta subunit in the kinetics of the Na,K-ATPase. Platform presentation at Washington University NSF-REU Research Symposium, Washington University, St. Louis, MO, August 1999.
- 4/2000 **Walters LL**, Rodeen RA, and Herrera J. Determination of physiological adaptations to the mycotoxins, aflatoxin B1 and ochratoxin A, in banner-tailed kangaroo rats (*Dipodomys spectabilis*). Platform presentation at National Conference for Undergraduate Research (NCUR), Missoula, MT, April 2000.
- 4/2000 **Walters LL** and Herrera J. Determination of physiological adaptation to aflatoxin B1 in banner-tailed kangaroo rats (*Dipodomys spectabilis*). Platform presentation at $\beta\beta\beta$ North-Central District Convention, Lyons, KS, April 2000.

- 6/2000 **Walters LL** and Herrera J. Determination of physiological adaptation to aflatoxin B1 in banner-tailed kangaroo rats (*Dipodomys spectabilis*). Platform presentation at $\beta\beta$ National Biennial Convention, Ponce, Puerto Rico, June 2000.
- 12/2005 **Walters LL** and Welch RA. Characterization of the interaction between StcE and C1 esterase inhibitor. Platform presentation at Microbiology Doctoral Training Program Seminar Series, University of Wisconsin, Madison, WI, December 2005.
- 5/2006 **Walters LL** and Welch RA. Characterization of the interaction between StcE, a zinc metalloprotease secreted by *Escherichia coli* O157:H7, and C1 esterase inhibitor. Poster presentation at 106th General Meeting of the American Society for Microbiology, Orlando, FL, May 2006.
- 5/2007 **Walters LL** and Welch RA. O-linked glycosylation of C1 esterase inhibitor is required in substrate recognition by StcE, a secreted protease of *Escherichia coli* O157:H7. Poster presentation at 107th General Meeting of the American Society for Microbiology, Toronto, Canada, May 2007.
- 10/2012 Young C, Cullen K, Lapsley L, Bauer E, Machcinski K, Brown N, **Walters L**, Arps D and Newton D. Optimization of time to reporting of microbiology cultures. Poster presentation at University of Michigan Health System Quality Month Event, Ann Arbor, MI, October 2012.
- 3/2014 **Walters LL**, JC Pang, L Zhao, and JM Jorns. Ductal carcinoma in situ with distorting periductal sclerosis on core biopsy may be predictive of upstage on excision. Poster presentation at United States & Canadian Academy of Pathology 2014 Annual Meeting, San Diego, CA, March 2014.
- 3/2015 **Walters LL**, KR Cho, and AP Sciallis. Ovarian seromucinous tumors: a clinicopathologic review of 23 cases. Poster presentation at United States & Canadian Academy of Pathology 2015 Annual Meeting, Boston, MA, March 2015.
- 3/2015 **Walters LL**, JC Pang, and JM Jorns. Encapsulated papillary carcinoma with metaplasia. Poster presentation at United States & Canadian Academy of Pathology 2015 Annual Meeting, Boston, MA, March 2015.
- 12/2018 Chagpar AB, T Tsangaris, C Garcia-Cantu, M Howard-McNatt, A Chiba, AC Berger, EA Levine, JS Gass, K Gallagher, SS Lum, RD Martinez, AI Willis, SV Pandya, EA Brown, A Fenton, A Mendiola, M Murray, V Haddad, NL Solomon, M Senthil, DW Ollila, SK Snyder, D Edmonson, M Lazar, JP Namm, F Li, M Butler, NE McGowan, ME Herrera, YP Avitan, B Yoder, **LL Walters**, T McPartland, and E Dupont. Does resection of routine cavity shave margins result in lower positive margin and re-excision rates in patients with stage 0-III breast cancer?: results from a prospective multicenter randomized clinical trial. Poster presentation at San Antonio Breast Cancer Symposium, San Antonio, TX, December 2018.
- 9/2019 **Walters LL**. Case in Gynecologic Pathology. Platform presentation at the 2019 Beaumont Pathology Seminar – Diagnostic Concepts in Genitourinary and Gynecologic Pathology, Troy, MI, September 2019.

INTELLECTUAL PROPERTY/PATENTS

1/2007

Welch RA, Grys TE, Lathem WL, **Walters LL**. *E. coli* O157:H7 C1-INH binding protein and methods of use. Wisconsin Alumni Research Foundation. 2007: WARF: P03250US.