

**Elizabeth Yiru Wu, M.D.**

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**Academic Affiliations:**

**Warren Alpert School of Medicine, Brown University**

Assistant Professor, Pathology and Laboratory Medicine

**Hospital Affiliations:**

**Rhode Island Hospital, Lifespan Academic Medical Center**

Staff Pathologist, surgical and gastrointestinal pathologist

**The Miriam Hospital, Lifespan Academic Medical Center**

Staff Pathologist, surgical and gastrointestinal pathologist

**Education**

**Brigham and Women's Hospital**

Gastrointestinal and Liver Pathology Fellowship

Boston, MA

July 2017-June 2018

**Brigham and Women's Hospital**

Pathology Residency, Anatomic Pathology

Boston, MA

July 2014-June 2017

**Johns Hopkins University School of Medicine**

Doctor of Medicine

Baltimore, MD

August 2010-May 2014

**University of Toronto**

Bachelor of Science, Honors

Mississauga, ON

August 2006-May 2010

**Membership in Professional Societies**

United States and Canadian Academy of Pathology (USCAP)

Rodger C. Haggitt Gastrointestinal Pathology Society (GIPS)

**Ongoing research**

- Evaluating the clinicopathologic, immunophenotypic, and molecular features of low-grade appendiceal mucinous neoplasms (LAMNs) with serrated morphology.
- Investigating the molecular, histomorphologic, and immunohistochemical features of *BRAF*-mutated microsatellite-stable colorectal cancer as a distinct subset of colorectal cancer with poor clinical outcome.
- Describing the clinical and immunophenotypic features of lymphocytic esophagitis in the setting of Crohn's disease.
- Characterizing the immunophenotypic nature of lymphocytic colitis in the context of celiac disease and inflammatory bowel disease.

**Publications**

Nitecki R, Davis MR, Watkins JC, **Wu YE**, Schmults CC, Muto MG, Berkowitz RS, Horowitz NS, Feltmate CM. (2017). Extramammary Paget disease of the vulva: management, recurrence, and malignant transformation. *Int J Gynecol Cancer*. 28(3): 632-638.

**Wu EY**, Lebastchi J, Marqusee E, Lorch JH, Krane JF, Barletta JA. (2017). A case of primary secretory carcinoma of the thyroid gland with high-grade features. *Histopathology*. May 28. 71: 665-669.

**Wu Y**, Baras A, Cornish T, Riedel S, Burton EC (2013). Fatal spontaneous *Clostridium septicum* gas gangrene: a possible association with iatrogenic gastric acid suppression. *Archives of Pathology and Laboratory Medicine*. 138(6): 836-41.

Krawetz RJ, **Wu YE**, Martin L, Rattner JB, Matyas JR, Hart DA. (2012). Synovial fluid progenitors expressing CD90+ from normal but not osteoarthritic joints undergo chondrogenic differentiation without micro-mass culture. *PLoS One*. 7(8): e43616.

Krawetz RJ, **Wu YE**, Liu S, Meng G, Matyas JR, Rancourt DE. (2012). Collagen I scaffolds cross-linked with beta-glycerol phosphate induce osteogenic differentiation of embryonic stem cells *in vitro* and regulate their tumorigenic potential *in vivo*. *Tissue Engineering*. 18(9-10): 1014-24.

Taijani JT, Krawetz RJ, zur Nieden NI, **Wu YE**, Kallos MS, Matyas JR, Rancourt DE. (2010). Reduced differentiation efficiency of murine embryonic stem cells in stirred suspension bioreactors. *Stem Cells and Development*. 19(7): 989-998.

Krawetz R, **Wu YE**, Rancourt D, Matyas J. (2009). Osteoblasts suppress high bone turnover caused by osteolytic breast cancer *in vitro*. *Experimental Cell Research*. 315: 2333-2342.

### **Book Chapter**

**Wu EY**, Lee KR, Peters III WA, Crum CP. "Columnar cell neoplasia of the cervix". In *Diagnostic Gynecologic and Obstetric Pathology*. Edited by Crum, Nucci, Granter, Howitt, Parast, Boyd, Lee. 3<sup>rd</sup> edition. Philadelphia: Elsevier, 2018. 375-430. Print.

### **Conference Presentations and Abstracts**

**Wu Y**, Dong F, Lindeman N, Srivastava A. Mutational landscape of BRAF-mutated microsatellite-stable colorectal cancer shows high prevalence of concurrent TP53 mutations. Poster presentation: United States and Canadian Academy of Pathology 106<sup>th</sup> Annual Meeting, San Antonio, TX. March 4-10, 2017. Abstract in: *Mod Pathol*. 30:207A.

**Wu Y**, Hung YP, Nucci MR, Quade BJ. Mitotically active uterine leiomyomata exhibit similar clinical outcomes to conventional leiomyomata: a clinicopathologic study with long-term follow-up. Poster presentation: United States and Canadian Academy of Pathology 106<sup>th</sup> Annual Meeting, San Antonio, TX. March 4-10, 2017. Abstract in: *Mod Pathol*. 30:316A.

Nowak JA, **Wu Y**, Qian Z, Rubinson DA, Morales-Oyarvide V, Dunne RF, Findeis-Hosey JJ, Hornick JL, Brais L, Da Silva A, Welch M, Yuan C, Kozak M, Ducar M, Thorner A, Wollison B, Fuchs C, Ogino S, Hezel A, Koong A, Wolpin B. Molecular correlates of major morphologic subtypes of pancreatic ductal adenocarcinoma. Poster presentation: United States and Canadian Academy of Pathology 106<sup>th</sup> Annual Meeting, San Antonio, TX. March 4-10, 2017. Abstract in: *Mod Pathol* 30:449A.

Nitecki R, Davis M, Watkins JC, **Wu YE**, Schmults CC, Muto MG, Berkowitz RS, Horowitz NS, Feltmate CM. (2017). Extramammary Paget disease of the vulva: management, recurrence, and malignant transformation. Abstract in: *Gynecologic Oncology*. 145: 211-212.

**Wu YE**, Abbadi S, Guerrero-Cazares H, Quinones-Hinojosa A. Enhanced aggressiveness in human glioblastoma after withdrawal of glycolysis inhibition: Implications for treatment of recurrent tumors. Poster

presentation: Johns Hopkins University School of Medicine Medical Student Research Day, Baltimore, MD, USA. (January 2012).

**Wu YE**, Allen A, Sokolowski M. Isolation and sequencing of mRNA transcripts of *foraging* in *Drosophila melanogaster*. Oral presentation (thesis defense): University of Toronto, Mississauga, ON, Canada. (April 2010).

**Wu YE**, Krawetz R, Rancourt DE. Directed differentiation of murine embryonic stem cells into osteoblasts. Oral presentation: University of Calgary Biomedical Engineering Research Symposium, Calgary, AB, Canada. (August 2008).

**Wu YE**, Krawetz R, Rancourt DE. Directed differentiation of murine embryonic stem cells into osteoblasts. Oral presentation: University of Calgary Developmental Genetics Symposium, Calgary, AB, Canada. (August 2008).

## **Awards**

### **Felix Brown Pathologist-In-Training Award**

Brigham and Women's Hospital, Boston, MA, 2018 (co-awarded with Dr. Y.P. Hung)

### **Student Dilemma Runner-up Award**

American College of Physicians, Baltimore, MD, 2013

### **Dean's Summer Research Fellowship**

Johns Hopkins University School of Medicine, Baltimore, MD, 2011

### **Governor General's Academic Medal Nominee**

University of Toronto, Toronto, ON, 2010

### **E.A. Robinson Medal, Faculty of Sciences**

University of Toronto, Mississauga, ON, 2010

### **Canadian Institutes of Health Research Studentship in Musculoskeletal, Oral, and Skin Health and Mobility**

University of Calgary, Calgary, AB, 2008

### **Alberta Heritage Fund Studentship for Medical Research**

University of Calgary, Calgary, AB, 2008

### **Canadian Institutes of Health Research Studentship in Skeletal Regenerative Medicine**

University of Calgary, Calgary, AB, 2007

### **Canadian Institutes of Health Research Studentship in Musculoskeletal Health and Arthritis**

University of Calgary, Calgary, AB, 2007

### **Alberta Cancer Board Studentship**

University of Calgary, Calgary, AB, 2007

## **Community Service/Extracurricular Activities**

Pathology Interest Group, co-founder and co-president (2013-2014)

- Organized faculty panel discussions showcasing subspecialties in anatomic and clinical pathology.
- Developed a basic study guide for GYN pathology and orientation to histology for medical students.

Internal Medicine Interest Group, board member (2011-2013)

- Organized faculty panel discussions showcasing career options in internal medicine.

Baltimore running festival, Quinones lab fundraising organizer (Summer-Fall 2011)

- Coordinated half-marathon and team relay training plans, weekly team runs, and race-day logistics.
- Raised awareness and funds in support of glioblastoma research.

Hopkins Medicine Distinguished Speaker Series, event logistics (2011-2012)

- Coordinated videography, photography, and transportation for inaugural Speaker Series events.

## **Teaching Experience**

### **Harvard Medical School**

Teaching Assistant

Introduction to Pathology (August 2017-September 2017)

- Conducted case-based learning exercises in an introductory pathology course.
- Introduced basic concepts of pathology in the general context of clinical medicine.

### **University of Toronto**

Teaching Assistant

Introductory Physics (August 2009-April 2010)

- Laboratory sessions (conducted labs and graded reports).
- Clarified approach to problems; demonstrated strategies for problem-solving.

### **University of Toronto**

Teaching Assistant

Modern Symbolic Logic (January 2009-April 2009)

- Held tutorials and office hours; provided additional help to students with questions.
- Conducted exam preparation sessions and demonstrated strategies for problem-solving.

### **University of Toronto**

Residence Peer Academic Leader (August 2007-May 2008)

- Organized and led seminar series addressing high school to university academic transition.
- Provided guidance to students with academic difficulties.