

**University of California, San Francisco**  
**CURRICULUM VITAE**

**Name:** Kwun Wah Wen, MD, PhD

**Position:** Assistant Professor of Clinical Pathology  
 Pathology  
 School of Medicine

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**EDUCATION**

1999 - 2004	University of Washington, Seattle	BS	Magna Cum Laude, Biochemistry	
2004 - 2012	University of North Carolina at Chapel Hill	MD	Medicine	
2006 - 2010	University of North Carolina at Chapel Hill	PhD	Microbiology and Immunology	Blossom Damania, PhD
2012 - 2013	Hospital of the University of Pennsylvania	Resident	Internal Medicine	
2013 - 2014	University of Pennsylvania	Postdoctoral Associate	Hematology	Peter Klein, MD/PhD
2014 - 2016	University of California, San Francisco	Resident	Pathology (AP1-2)	
2016 - 2017	University of California, San Francisco	Fellow	Hematopathology	
2017 - 2018	University of California, San Francisco	Chief Resident & Acting Fellow	Gastrointestinal/ Liver Pathology (AP3)	

2020 - 2020	University of California, San Francisco	Diversity, Equity, and Inclusion Champion Training
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**LICENSES, CERTIFICATION**

2012	Medical Licensure (MT201112), Pennsylvania
2014	Medical Licensure (A136853), California
2017	Medical Licensure (008987), Georgia
2018	Board Certification, Anatomic Pathology
2018	Board Certification, Hematopathology

**PRINCIPAL POSITIONS HELD**

2018 - present	University of California, San Francisco	Assistant Professor	Pathology
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**HONORS AND AWARDS**

2001	Ronald E. McNair Scholarship	University of Washington (UW)
2001	Mary Gates Scholarship	UW
2002	Ronald E. McNair Presidential Scholarship	UW
2003	Herschel and Caryl Roman Undergraduate Science Scholarship	UW
2004	American Institute of Chemists Foundation Student Award	American Institute of Chemists Foundation
2004	Phi Beta Kappa	UW
2004	B.S. with Distinction in Biochemistry	UW
2004	Medical Scientist Training Program	University of North Carolina at Chapel Hill (UNC)
2006	Harold C. Pillsbury, M.D. Student Research Award	UNC
2007	NIAID STD/HIV Training Grant	UNC
2009	Lineberger Annual Scientific Competition Winner	UNC
2010	University Cancer Research Fund Scholarship	UNC
2010	Annual G. Philip Manire Graduate Student Excellence in Research Award	UNC

2010	Lineberger Comprehensive Cancer Center Graduate Fellow Award in Basic Sciences	UNC
2016	Visiting Resident/Fellow	Stanford University, Hematopathology, 2 months
2016	Visiting Fellow	National Institute of Health, Hematopathology, 1 month
2017	Best Abstract Award	International Association of Chinese Pathologists
2017	Visiting Fellow	Johns Hopkins Hospital, Flow Cytometry, 1 month
2017	Arthur Purdy Stout Stipend Award	Arthur Purdy Stout Society
2017	Visiting Fellow	Memorial Sloan Kettering Cancer Center, Pancreatobiliary Pathology, 1 month
2018	Best Abstract Award (2nd place in platform)	Chinese American Pathologists Association
2018	Best Abstract Award (runner up)	Rodger C. Haggitt Gastrointestinal Pathology Society
2019	F. Stephen Vogel Award (best publication by a trainee in the journal Modern Pathology)	United States and Canadian Academy of Pathology (USCAP)

### **KEYWORDS/AREAS OF INTEREST**

Anatomic Pathology, Diagnostic Pathology, Surgical Pathology, Hematopathology, Gastrointestinal Pathology, Hepatopathology, Lymphoma, Leukemia, Next Generation Sequencing, Flow Cytometry, Viral Oncogenesis, Signaling Pathways in Tumorigenesis

### **CLINICAL ACTIVITIES**

#### **CLINICAL ACTIVITIES SUMMARY**

As an Assistant Clinical Professor, my diagnostic role includes providing attending coverage in surgical pathology at Moffitt-Long Hospitals (in Hematopathology and in Gastrointestinal, Pancreatic & Hepatobiliary Pathology) and Mission Bay Hospital (in Head & Neck Pathology) as well as frozen section and night calls at Moffitt-Long Hospitals. As a board certified hematopathologist, I provide subspecialty consultation in lymph node, bone marrow, and lymphoma diagnostic pathology, including both internal (in-house) and external consultation cases. I am also frequently consulted for liver/GI cases by my colleagues at UCSF, SFVAMC, and ZSFG. These consultation cases are highly valued by the Department and often complex in nature that I have invested a significant portion of time (at least 1-2 hours of my daily work) and energy. As the elected course director in Hematopathology, I provide an orientation to incoming trainees on Hematopathology Service on a monthly basis and organize their clinical and academic activities including journal clubs. I participate in Hematology and GI Tumor

Boards. I also actively participate in GI Conference, Hematopathology Conference, Head & Neck Conference (each twice a week).

## **CLINICAL SERVICES**

2018 - present Assistant Professor in Pathology, UCSF Medical Center

## **PROFESSIONAL ACTIVITIES**

### **MEMBERSHIPS**

2014 - present United States and Canadian Academy of Pathology

2014 - present College of American Pathologists

2014 - present American Society of Clinical Pathology

2014 - present South Bay Pathology Society

2014 - present California Society of Pathologists

2016 - present American Society of Hematology

2018 - present Hans Popper Hepatopathology Society

2018 - present Rodger C. Haggitt Gastrointestinal Pathology Society

2018 - present Pancreatobiliary Pathology Society

2020 - present UCSF Helen Diller Family Comprehensive Cancer Center, Cancer Immunotherapy Program

### **SERVICE TO PROFESSIONAL ORGANIZATIONS**

2017 - 2018	American Society of Clinical Pathology	Resident Representative
2017 - 2019	United States and Canadian Academy of Pathology	Elected Member, Education Committee
2019 - present	United States and Canadian Academy of Pathology	Elected Member, Vogel Award Committee
2020 - present	United States and Canadian Academy of Pathology	Elected Member, Membership Committee
2020 - present	College of American Pathologists	Alternate Delegate, House of Delegates – California Delegation

2020 - present Society of Abdominal Radiology

Elected Member,  
Liver Fibrosis  
Disease Focus  
Panel

### **SERVICE TO PROFESSIONAL PUBLICATIONS**

2018 - present Ad hoc referee for Diagnostic Pathology

### **INVITED PRESENTATIONS - INTERNATIONAL**

- 2008 11th International Workshop on KSHV & Related Agents (1 platform)
- 2009 12th International Workshop on KSHV & Related Agents (1 platform)
- 2015 United States and Canadian Academy of Pathology Annual Meeting (3 posters)
- 2016 United States and Canadian Academy of Pathology Annual Meeting (3 posters)
- 2017 United States and Canadian Academy of Pathology Annual Meeting (1 poster)
- 2018 United States and Canadian Academy of Pathology Annual Meeting (1 platform and 2 posters)
- 2019 United States and Canadian Academy of Pathology Annual Meeting (1 platform and 2 posters)
- 2020 United States and Canadian Academy of Pathology Annual Meeting (1 poster)

### **INVITED PRESENTATIONS - NATIONAL**

- 2017 American Society of Hematology 59th Annual Meeting & Exposition (1 poster)
- 2020 American Association of Neuropathologists Annual Meeting (1 poster, virtual)
- 2020 ID Week (1 poster, virtual)

### **INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS**

- 2002 Volcano Conference in Chemical Biology (1 poster)
- 2002 Johns Hopkins University Annual Biomedical Symposium (1 poster)
- 2003 Volcano Conference in Chemical Biology (1 poster)
- 2013 NIH Seminar, Bethesda, MD (oral presentation)

- 2013 Washington University Seminar, St. Louis, MO (oral presentation)
- 2014 UCSF Mechanisms of Disease Conference, Department of Pathology, San Francisco, CA (lecture)
- 2015 UCSF Mechanisms of Disease Conference, Department of Pathology, San Francisco, CA (lecture #1)
- 2015 UCSF Mechanisms of Disease Conference, Department of Pathology, San Francisco, CA (lecture #2)
- 2016 UCSF Mechanisms of Disease Conference, Department of Pathology, San Francisco, CA (lecture)
- 2017 Society of Hematopathology 2017 Workshop (2 cases)
- 2017 American Society of Human Genetics Meeting (1 poster)
- 2018 UCSF Mechanisms of Disease Conference, Department of Pathology, San Francisco, CA (lecture)
- 2019 Lymphoma Rounds: San Francisco, Lymphoma Research Foundation, San Francisco, CA (1 case)
- 2020 Lymphoma Rounds: San Francisco, Lymphoma Research Foundation, San Francisco, CA (1 case)

**CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES**

- 2015 USCAP 104th Annual Meeting, Boston, MA  
South Bay Pathology Society (Bone and Soft Tissue Pathology: Common Errors and How to Avoid Them), San Francisco, CA  
UCSF 31st Current Issues in Anatomic Pathology, San Francisco, CA  
California Tumor Tissue Registry (Updates in the Changing World of Breast Pathology), San Francisco, CA
- 2016 USCAP 105th Annual Meeting, Seattle, WA  
South Bay Pathology Society (Current Issues in Gastrointestinal Pathology), San Francisco, CA  
UCSF 32nd Current Issues in Anatomic Pathology, San Francisco, CA  
California Society of Pathologists 69th Annual Meeting Seminars in Pathology, San Francisco, CA
- 2017 USCAP 106th Annual Meeting, San Antonio, TX  
Stars of the American Registry of Pathology Fascicles; Past, Present and Future (Johns Hopkins)  
California Society of Pathologists 70th Annual Meeting Seminars in Pathology, San Francisco, CA

- California Tumor Tissue Registry (Diagnostic Dilemmas in GI Pathology), San Francisco, CA
- 2018 USCAP 107th Annual Meeting, Vancouver, BC, Canada  
34th Annual Current Issues in Anatomic Pathology 2018, San Francisco, CA  
UCSF Mechanism of Disease Seminar Series
- 2019 USCAP 108th Annual Meeting, National Harbor, MD
- 2020 USCAP 109th Annual Meeting, Los Angeles, CA

## **UNIVERSITY AND PUBLIC SERVICE**

### **SERVICE ACTIVITIES SUMMARY**

During 2014-2018, I was an active member of UCSF Graduate Medical Education Resident and Fellow Affairs Committee. In the academic year (2017-2018), I served as one of two chief residents in the UCSF Department of Pathology and have become a member of the Faculty Quality Improvement Committee and Staff Quality Improvement Committee. Since I started my faculty position at UCSF, I have participated in the weekly GI Pathology Consensus Conference and Hematopathology Conference. I have also regularly presented and participated at the biweekly Lymphoma Tumor Board. I have also served as the Course Director for the Hematopathology training rotation.

### **SCHOOL OF MEDICINE**

- 2014 - 2018 UCSF Graduate Medical Education Resident and Fellow Affairs Committee

### **SCHOOL OF PHARMACY**

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### **DEPARTMENTAL SERVICE**

- 2016 - 2017 Body fluid tutorial for residents and fellows
- 2017 - 2018 Faculty Quality Improvement Committee
- 2017 - 2018 Staff Quality Improvement Committee
- 2017 - 2018 Department chair candidate interview
- 2017 - 2018 Faculty candidate recruitment for a position in Cytopathologist, with emphasis in Molecular Pathology (Dr. Roberto Ruiz-Cordero)
- 2017 - 2018 Faculty candidate recruitment for a position in Surgical Pathologist/Cytopathologist (Dr. Deepu Alex)
- 2017 - 2018 Faculty candidate recruitment for a position in Bone and Soft Tissue Pathologist (Drs. Anthony P. Martinez, Elizabeth Demicco, and Amir Ghorbani Aghbolaghi)

2018 - 2019 Faculty candidate recruitment for a position in Hematopathologist (Dr. Robert Ohgami)

2019 - 2020 Residency Selection Committee (review residency applications)

## CONTRIBUTIONS TO DIVERSITY

### CONTRIBUTIONS TO DIVERSITY

To improve diversity as well as promote equity and inclusion in my professional and educational roles, I completed the program "Diversity, Equity, and Inclusion Champion Training." I have thus been equipped with practical tools and skills to address bias and discrimination in my daily clinical practice.

## TEACHING AND MENTORING

### TEACHING SUMMARY

**Resident/fellow teaching:** As part of my daily teaching responsibility, I teach at the microscope on a one-on-one basis, during clinical sign out. My teaching also extends to the gross room as needed. I give multiple lectures to the residents as part of their Resident Teaching Conference. I also periodically give unknown slide review sessions, during which I review a selection of slides that the residents/fellows have reviewed on their own. I supplement that with relevant evidence-based material and my diagnostic approach to each case. I advise residents and medical students on careers in pathology including various aspects of subspecialty training, research, and Grand Rounds/MOD preparation. I serve as the course director of the Hematopathology rotation and provide monthly cluster P2 orientation to residents so they are all familiarized with the workflow and resources available for the Hematopathology service. I initiated the required journal club activities that have been well-received by rotating trainees. In addition, I teach regularly at the GI Pathology Consensus Conference and Hematopathology Conference at which trainees attend.

**Medical school teaching:** I have served as an instructor/small group leader in the current curriculum for sessions on "Renal/Endocrine/GI/Nutrition" and "Pathogens and Host Defenses". I also have provided teaching to rotating medical students and visitors in Pathology on a one-on-one basis.

**Innovative web-based teaching:** I have also worked on an interactive teaching project using the online platform QStream. I have also served as the sole author on more than 25 hematopathology topics for the Elsevier PATHPrimer Online Pathology Curriculum. I am a senior or first author on 8 book chapters (accepted for publication) under the "Hematopoietic and Lymphoid Tumors" section of the Elsevier textbook "Diagnostic Pathology Neuropathology" (3rd Edition). The content will also be available in the online platform ExpertPath (<https://www.expertpath.com>) that is widely used by pathologists and pathologists in training.

**International education mission:** I was as an elected member of the United States and Canadian Academy of Pathology (USCAP) Education Committee during 2017-2019. USCAP is the premier society for clinical academic research and education in the world. I reviewed short course proposals submitted for an USCAP annual national meeting and provided evaluation/feedbacks for short courses delivered by expert pathologists. All these activities promote the educational mission of USCAP. Since April 2019, I have been an active USCAP



F. Stephen Vogel Award committee member. My tasks include reviewing the best trainee manuscripts published in the top pathology journal Modern Pathology. Since April 2020, I have been an active member of USCAP Membership Committee to promote member engagement and benefits.

## **INFORMAL TEACHING**

- 2001 - 2002 Biochemistry/Chemistry Tutor at Instructional Center, University of Washington
- 2006 - 2008 Medical Student Tutor at University of North Carolina at Chapel Hill
- 2016 - 2017 Hematology Blood Smear and Fluid reviews (weekly with 1-2 residents/students at the microscope, 6 months of year)
- 2016 - 2017 Bone marrow review (weekly with clinical attendings, fellows/residents, and students at the microscope, 6 months of year)
- 2016 - 2017 Lymph Node Unknown Conference (2 times per year with residents/fellows)
- 2016 - 2017 Hematopathology Case Discussion Conference (monthly with clinical attendings, fellows/residents, and students at the microscope)
- 2016 - 2017 Cytogenetics/Pathology Correlation Conference (4 times with Laboratory Medicine trainees)
- 2017 - 2018 Pediatric GI/Liver Case Discussion (weekly with clinical attendings, fellows/residents, and students, 6 months of year)
- 2017 - 2018 Transplant Pathology Conference (biweekly with clinical teams, 6 months of year)
- 2017 - 2018 Liver Pathology Teaching Conference (monthly with clinical fellows/residents, 6 months of year)
- 2017 - 2018 Cluster B GI/Liver Educational Conference (monthly with Anatomic Pathology faculty and trainees, 6 months of year)
- 2018 - present Mechanism of disease (MOD) mentor for pathology residents
- 2018 - present Surgical Pathology fellow hematopathology teaching sessions, 1-2x year
- 2018 - present Daily surgical sign-out (~2-3 residents/fellows)
- 2018 - present Hematopathology Consensus Conference (2 times/week)
- 2018 - present GI Pathology Consensus Conference (2 times per week)
- 2019 - present Lymphoma Tumor Board (biweekly)

## **RESEARCH AND CREATIVE ACTIVITIES**

### **RESEARCH AND CREATIVE ACTIVITIES SUMMARY**

My previous basic science research focused on the characterization of the K1 protein of Kaposi sarcoma-associated herpesvirus and development of a novel vaccine for protection against rhadinovirus infection. My work resulted in 5 publications in peer-reviewed journals. I also I studied signaling mechanisms that regulate ex vivo survival of human acute myeloid leukemia initiating cells. A first co-authored manuscript was published in Blood Cancer Journal.

I have pursued multiple translational research projects covering many different aspects of hematopathology, gastrointestinal (GI) and liver pathology at UCSF. They are summarized below:

**1. Flow cytometric DNA content analysis:** My projects with Dr. Won-Tak Choi involve flow cytometric DNA analysis of dysplasia in stomach, ampulla of Vater, liver, as well as inflammatory bowel disease-related lesions (including "indefinite for dysplasia", "crypt cell atypia" and "serrated epithelial changes"). Six abstracts were presented at USCAP meeting in 2018 and 2019 and have been published in peer reviewed journals (Journal of Crohn's and Colitis, Modern Pathology, and Histopathology). One of the papers was selected for the prestigious F. Stephen Vogel Award at USCAP (the premier pathology society for clinical academic research and education in the world) for the best trainee manuscript published in the top pathology journal Modern Pathology. A recent collaborative project with Dr. Choi applied DNA flow cytometric approach to the cholangiocarcinoma and histologic mimics. The results have been published in the journal Virchow Arch.

**2. Next generation DNA sequencing (NGS):** By working closely with Dr. Sanjay Kakar and molecular pathologists at UCSF, I utilized a panel of capture-based NGS of ~500 cancer-related genes (UCSF500) to dissect the genetics of neuroendocrine tumor, goblet cell carcinoid (GCC), and adenocarcinoma (AC) in the appendix. The work was published in two separate articles in Human Pathology. To identify additional driver mutation(s), I will perform whole exome sequencing in selected GCC and AC cases. In addition, I have performed NGS on the rare liver tumor termed "cholangioblastic variant of intrahepatic cholangiocarcinoma". The preliminary data were presented at 2019 Annual USCAP Meeting and the manuscript has been submitted for publication. A manuscript has been submitted. Currently, I have used UCSF500 to identify novel mutations in primary CNS lymphoma and post-transplant lymphoproliferative disorder in pediatric and young adult patients that have not been described in adult cases. I am the principal investigator (PI) in this highly collaborative projects that involves multiple institutions (including Duke, CHOP, Brigham & Women, Univ. of Utah, Phoenix's Children, etc).

**3. Immunohistochemistry-based investigation:** I previously examined the distribution of TdT and PAX-5 positive cells in pediatric and adult liver biopsies. The work was published in Appl Immunohistochem Mol Morphol. My current research work aims to 1) characterize primary central nervous system lymphoma in the pediatric population, 2) determine the most useful grading method for follicular lymphoma, 3) understand the role of gene and protein expression of CD47 (through a collaborative work with Dr. Arun Wiita) in plasma cell myeloma (presentation abstract accepted to Journal of Clinical Oncology) . Recently, I found increased expression of immune checkpoint biomarkers in increased large cells within ocular adnexal marginal zone lymphoma and the preliminary results were presented at the 2020 American Association of Neuropathologists annual meeting. As the PI, I have expanded the study cohort via a collaboration with Dr. Endi Wang at Duke University and a manuscript is in preparation.

**4. Whole-slide digital imaging scanning:** I participated in the validation of whole-slide image scanning (WSIS) for frozen section diagnosis and for the study of lipomatous tumors. My WSIS work led to multiple research abstracts and a manuscript published in Human Pathology. I will investigate the feasibility of WSIS technology to help distinguish neoplastic cells that will ultimately assist in the diagnosis of a variety of hematologic, pancreatobiliary, and GI diseases.

In summary, I will continue to pursue my clinical and research interests as an academic surgical pathologist. Specifically, I am interested in the immunohistochemical and molecular-based classification of gastrointestinal and hematopoietic tumors.

## PEER REVIEWED PUBLICATIONS

1. Baguet A, Epler J, **Wen KW**, Bix M. A Leishmania major response locus identified by interval-specific congenic mapping of a T helper type 2 cell bias-controlling quantitative trait locus. *J Exp Med*. 2004 Dec 20; 200(12):1605-12. PMID: 15596523. PMCID: PMC2211989
2. Mahmud T, Wenzel SC, Wan E, **Wen KW**, Bode HB, Gaitatzis N, Müller R. A biosynthetic pathway to isovaleryl-CoA in myxobacteria: the involvement of the mevalonate pathway. *Chembiochem*. 2005 Feb; 6(2):322-30. PMID: 15619721
3. **Wen KW**, Dittmer DP, Damania B. Disruption of LANA in rhesus rhadinovirus generates a highly lytic recombinant virus. *J Virol*. 2009 Oct; 83(19):9786-802. PMID: 19587030. PMCID: PMC2748027
4. **Wen KW**, Damania B. Kaposi sarcoma-associated herpesvirus (KSHV): molecular biology and oncogenesis. *Cancer Lett*. 2010 Mar 28; 289(2):140-50. PMID: 19651473. PMCID: PMC4342847
5. **Wen KW**, Damania B. Hsp90 and Hsp40/Erdj3 are required for the expression and anti-apoptotic function of KSHV K1. *Oncogene*. 2010 Jun 17; 29(24):3532-44. PMID: 20418907. PMCID: PMC2908282
6. Lei Y, Wen H, Yu Y, Taxman DJ, Zhang L, Widman DG, Swanson KV, **Wen KW**, Damania B, Moore CB, Giguère PM, Siderovski DP, Hiscott J, Razani B, Semenkovich CF, Chen X, Ting JP. The mitochondrial proteins NLRX1 and TUFM form a complex that regulates type I interferon and autophagy. *Immunity*. 2012 Jun 29; 36(6):933-46. PMID: 22749352. PMCID: PMC3397828
7. Chen W, Sin SH, **Wen KW**, Damania B, Dittmer DP. Hsp90 inhibitors are efficacious against Kaposi Sarcoma by enhancing the degradation of the essential viral gene LANA, of the viral co-receptor EphA2 as well as other client proteins. *PLoS Pathog*. 2012; 8(11):e1003048. PMID: 23209418. PMCID: PMC3510261
8. **Wen KW**, Hale G, Shafizadeh N, Hosseini M, Huang A, Kakar S. Appendiceal goblet cell carcinoid: common errors in staging and clinical interpretation with a proposal for an improved terminology. *Hum Pathol*. 2017 Jul; 65:187-193. PMID: 28551326
9. Bhavanasi D\*, **Wen KW\*** (co-first author), Liu X, Vergez F, Danet-Desnoyers G, Carroll M, Huang J, Klein PS. Signaling mechanisms that regulate ex vivo survival of human acute myeloid leukemia initiating cells. *Blood Cancer J*. 2017 Nov 30; 7(12):636. PMID: 29187738
10. Bean GR, **Wen KW**, Horvai AE. Adipocyte Size Variability in Benign and Malignant Lipomatous Tumors and Morphologic Mimics: a Quantitative Definition Using Digital Pathology. *Hum Pathol*. 2018 Feb;72:52-58. PMID: 29128479
11. **Wen KW**, Grenert JP, Joseph NM, Shafizadeh N, Huang A, Hosseini M, Kakar S. Genomic Profile of Appendiceal Goblet Cell Carcinoid Is Distinct Compared to Appendiceal Neuroendocrine Tumor and Conventional Adenocarcinoma. *Hum Pathol*. 2018 Jul;77:166-174. PMID: 29634977

12. Abrahams CL, Li X, Embry M, Yu A, Krimm S, Krueger S, Greenland NY, **Wen KW**, Jones C, DeAlmeida V, Solis WA, Matheny S, Kline T, Yam AY, Stafford R, Wiita AP, Hallam T, Luper M, Molina A. Targeting CD74 in multiple myeloma with the novel, site-specific antibody-drug conjugate STRO-001. *Oncotarget*. 2018 Dec 28;9(102):37700-37714. PMID: 30701025. PMCID: PMC6340874
13. **Wen KW**, Rabinovitch PS, Wang D, Huang D, Mattis AN, Choi WT. Utility of DNA Flow Cytometric Analysis of Paraffin-Embedded Tissue in the Risk Stratification and Management of 'Indefinite for dysplasia' in Patients With Inflammatory Bowel Disease. *J Crohns Colitis*. 2019 Mar 30;13(4):472-481. PMID: 30423034.
14. Choi WT, **Wen KW**, Rabinovitch PS, Huang D, Mattis AN, Gill RM. DNA Content Analysis of Colorectal Serrated Lesions Detects an Aneuploid Subset of Inflammatory Bowel Disease-Associated Serrated Epithelial Change and Traditional Serrated Adenomas. *Histopathology*. 2018 Sep;73(3):464-472. PMID: 29772067
15. **Wen KW**, Rabinovitch PS, Huang D, Mattis AN, Lauwers GY, Choi WT. Use of DNA flow cytometry in the diagnosis, risk stratification, and management of gastric epithelial dysplasia. *Mod Pathol*. 2018 Oct;31(10):1578-1587. PMID: 29789650
16. Lewin SM, **Wen KW**, Velayos FS, Mahadevan U, Beck KR. How Dye May Prevent Dying from Cancer: Perceiving Imperceptible Dysplasia in Inflammatory Bowel Disease. *Dig Dis Sci*. 2019 Jan;64(1):52-55. PMID: 30523483
17. Raghavan K, **Wen KW**, Small EJ, Ha P, Flavell RR. Incidentally Detected Oropharyngeal Squamous Cell Carcinoma on 18F-Fluciclovine PET/CT. *Clin Nucl Med*. 2019 May;44(5):e367-e369. PMID: 30829856
18. **Wen KW**, Gill RM. Immature Terminal Deoxynucleotidyl Transferase Positive B Cells are Detected in a Subset of Adult and Pediatric Liver Biopsies. *Appl Immunohistochem Mol Morphol*. 2019 Apr;27(4):319-324. PMID: 28968264
19. Mukhtar RA, Holland M, Sieber DA, **Wen KW**, Rugo HS, Kadin ME, Bean GR. Synchronous Breast Implant-associated Anaplastic Large Cell Lymphoma and Invasive Carcinoma: Genomic Profiling and Management Implications. *Plast Reconstr Surg Glob Open*. 2019 Apr; 7(4):e2188. PMID: 31321184. PMCID: PMC6554181
20. **Wen KW**, Kim GE, Rabinovitch PS, Wang D, Mattis AN, Choi WT. Diagnosis, risk stratification, and management of ampullary dysplasia by DNA flow cytometric analysis of paraffin-embedded tissue. *Mod Pathol*. 2019 Sep;32(9):1291-1302. PMID: 30976103
21. **Wen KW**, Umetsu SE, Goldblum JR, Gill RM, Kim GE, Joseph NM, Rabinovitch PS, Kakar S, Lauwers GY, Choi WT. DNA Flow Cytometric and Interobserver Study of "Crypt Cell Atypia" in Inflammatory Bowel Disease. *Histopathology*. 2019 Oct;75(4):578-588. PMID: 31111543
22. **Wen KW**, Rabinovitch PS, Wang D, Mattis AN, Ferrell LD, Choi WT. Utility of DNA flow cytometry in distinguishing between malignant and benign intrahepatic biliary lesions. *Virchows Arch*. 2020 Apr 15. PMID: 32296928
23. Chang WC, Yeh BM, Chu L, Kim SY, **Wen KW**, Chiu SH, Ding CC, Wu EH, Roberts JP, Huang GS, Hsu HH. Post-operative assessment in patients after liver transplantation: imaging parameters associated with 1-year graft failure. *Eur Radiol*. 2020 Aug 30. PMID: 32862291

24. Freise J, Mena J, **Wen KW**, Stoller M, Ho S, Corvera C. A rare presentation of hepatolithiasis in an adolescent patient: A case report. *Int J Surg Case Rep.* 2020 Jun 12; 72:343-345. PMID: 32563817. PMCID: PMC7306511
25. **Wen KW**, Fakhri B, Menke J, Ruiz-Cordero R, Gill RM, Ohgami RS. Complexities in the diagnosis of large B-cell lymphomas, classic Hodgkin lymphomas and overlapping peripheral T-cell lymphomas simplified: An evidence-based guide. *Ann Diagn Pathol.* 2020 May 15; 46:151534. PMID: 32473554
26. Yamamoto K, Venida A, Yano J, Biancur DE, Kakiuchi M, Gupta S, Sohn ASW, Mukhopadhyay S, Lin EY, Parker SJ, Banh RS, Paulo JA, **Wen KW**, Debnath J, Kim GE, Mancias JD, Fearon DT, Perera RM, Kimmelman AC. Autophagy promotes immune evasion of pancreatic cancer by degrading MHC-I. *Nature.* 2020 May; 581(7806):100-105. PMID: 32376951

## **SIGNIFICANT PUBLICATIONS**

1. **Wen KW, Dittmer DP, Damania B. Disruption of LANA in rhesus rhadinovirus generates a highly lytic recombinant virus. J Virol. 2009 Oct; 83(19):9786-802. PMID: 19587030. PMCID: PMC2748027**

We were the first to sequence the whole viral genome of rhesus rhadinovirus. Another novel approach at the time was the use of quantitative real-time PCR-based viral array to report differences in global viral gene expression between the wild-type and recombinant viruses. I initiated and designed experiments as well as wrote the paper with my thesis mentor, Dr. Blossom Damania.

2. **Wen KW, Damania B. Kaposi sarcoma-associated herpesvirus (KSHV): molecular biology and oncogenesis. Cancer Lett. 2010 Mar 28; 289(2):140-50. PMID: 19651473. PMCID: PMC4342847**

This article provided a detailed update and insights into the critical roles of KSHV and its viral protein in oncogenesis. Dr. Damania and I collaboratively wrote the paper, which has been cited by more than 180 articles per Google Scholar and by more than 60 PubMed Central articles.

3. **Lei Y, Wen H, Yu Y, Taxman DJ, Zhang L, Widman DG, Swanson KV, Wen KW, Damania B, Moore CB, Giguère PM, Siderovski DP, Hiscott J, Razani B, Semenkovich CF, Chen X, Ting JP. The mitochondrial proteins NLRX1 and TUFM form a complex that regulates type I interferon and autophagy. Immunity. 2012 Jun 29; 36(6):933-46. PMID: 22749352. PMCID: PMC3397828**

My collaborative work with Dr. Yu Lei at Jenny Ting laboratory established a novel link between an NLR (nucleotide-binding, leucine-rich repeats) protein and the viral-induced autophagic machinery via an intermediary partner, TUFM (Tu translation elongation factor). The article has been cited by more than 120 articles per Google Scholar and by more than 60 PubMed Central articles.

4. **Wen KW, Rabinovitch PS, Huang D, Mattis AN, Lauwers GY, Choi WT. Use of DNA flow cytometry in the diagnosis, risk stratification, and management of gastric epithelial dysplasia. Mod Pathol. 2018 May 22. PMID: 29789650**

I served as a first author on this study with my mentor Won-Tak Choi. This publication exemplified our expertise in using DNA flow cytometry to detect and risk stratify dysplasia. I received the prestigious USCAP F. Stephen Vogel Award for the best publication by a trainee in the journal Modern Pathology.

## CONFERENCE ABSTRACTS

1. **Wen KW**, Liu X, Santos CD, Huang J, Carroll M, Danet-Desnoyers G, and Klein PS. Ex-vivo maintenance of primary acute myeloid leukemia cells. Mod Pathol. 28(S2):386A, 2015.
2. **Wen KW**, Plourde A, Zhao L, Bowman S, Kim G, and Laszik ZG. Whole slide digital imaging is applicable for routine frozen section diagnosis. Mod Pathol. 28(S2):510A, 2015.
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