***Curriculum Vitae***

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Date Prepared:** | 01/05/2025 | | **Name:** | Hao Chen | | **Office Address:** | 5323 Harry Hines Blvd.  NPH 02-618  Dallas, TX 75390-9073 | | **Work Phone:** | 214-648-2803 | | **Work E-Mail:** | [Hao.Chen@UTSouthwestern.edu](mailto:Hao.Chen@UTSouthwestern.edu)  ORCID ID 0000-0002-6282-0237 | |  |

**Education**

|  |  |  |  |
| --- | --- | --- | --- |
| Year | Degree  (Honors) | Field of Study  (Thesis advisor for PhDs) | Institution |
| 1999 | M.D. | Medicine | Shandong Medical University, Jinan, China |
| 2002 | M.Med. | Internal Medicine | PLA Postgraduate Medical School, Beijing, China |
| 2010 | Ph.D. | Immunobiology | University of Arizona, Tucson, Arizona |

**Postdoctoral Training** [*Include residency/fellowship*]

|  |  |  |  |
| --- | --- | --- | --- |
| Year(s) | Titles | Specialty/Discipline  (Lab PI for postdoc research) | Institution |
| 2013–2014 | Resident | Pathology | Henry Ford Hospital, Detroit, Michigan |
| 2014–2017 | Resident | Pathology | University of Arizona, Tucson, Arizona |
| 2017–2018 | Fellow | Gynecological Pathology | UT Southwestern Medical Center, Dallas, Texas |

**Professional Development Training**

|  |  |  |
| --- | --- | --- |
| Year(s) | Course or Program, Degree if any | Institution |
| 2020-present | Effective Teacher Series | UT Southwestern Medical Center, Dallas, Texas |
| 2023,2024 | Promotion & Tenure: Clinician Educator/Clinician Track Workshop | UT Southwestern Medical Center, Dallas, Texas |

**Faculty Academic Appointments**

|  |  |  |  |
| --- | --- | --- | --- |
| Year(s) | Academic Title | Department | Academic Institution |
| 2018–present | Assistant Professor | Pathology | UT Southwestern Medical Center, Dallas, Texas |
|  |  |  |  |
|  |  |  |  |

**Appointments at Hospitals/Affiliated Institutions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Past | | | | |
| Year(s) | Position Title | Department/Division | | Institution |
|  |  |  | |  |
|  |  |  | |  |
| Current | | | | |
| Year(s) | Position Title | | Department/Division | Institution |
| 2018–present | Staff Pathologist | | Pathology | Parkland Health & Hospital System, Dallas, Texas |
| 2018–present | Staff Pathologist | | Pathology | UT Southwestern Medical Center Associated Hospitals, Dallas, Texas |
|  |  | |  |  |

**Other Professional Positions** [*Industry, foundation, private practice*]

|  |  |  |
| --- | --- | --- |
| Year(s) | Position Title | Institution |
|  |  |  |
|  |  |  |

**Current Licensure and Certification**

Licensure [*Do not include license number*]

|  |  |
| --- | --- |
| Year(s) | State |
| 2018-present | Texas Medical Board (R7186) |
|  |  |

**Board and Other Certification**

|  |  |  |
| --- | --- | --- |
| Year(s) | Specialty | Certifying Organization |
| 2017-present | Anatomical Pathology/Clinical Pathology | American Board of Pathology |
|  |  |  |

**Honors and Awards**

|  |  |  |
| --- | --- | --- |
| Year | Name of Honor/Award | Awarding Organization |
| 2018 | Janet Caldwell Award | UT Southwestern Medical Center |
| 2015 | APS-Select: For distinction in scholarship in the American Journal of Physiology - Heart and Circulatory Physiology for the article |  |
| 2011–2013 | Postdoc Fellowship Grant | American Heart Association |
| 2011 | New Investigator Travel Award | American Heart Association |

**Major Administrative/Leadership Positions**

|  |  |  |
| --- | --- | --- |
| Year(s) | Position Title | Institution |
| 2018-present | Director of Gynecologic Pathology Residents Rotation | UT Southwestern Medical Center, Dallas, Texas |
|  |  |  |

**Committee Service (***Member, unless noted otherwise)*

|  |  |  |
| --- | --- | --- |
| Year(s) | Name of Committee | Institution/Organization |
| UTSW | | |
| 2018-present | Residency Clinical Competency Committee (CCC) | UTSW/Department of Pathology, Dallas, Texas |
| 2018-present | Gynecological Pathology fellowship Clinical Competency Committee (CCC) | UTSW/Department of Pathology, Dallas, Texas |
| Hospital | | |
| 2018–present | Cancer Committee | Parkland Health & Hospital System, Dallas, Texas |
|  |  |  |
| State/Regional | | |
|  |  |  |
|  |  |  |
| National/International | | |
|  |  |  |
|  |  |  |

**Professional Societies**

|  |  |
| --- | --- |
| Dates | Society Name, member |
| 2013–present | United States and Canadian Academy of Pathology (USCAP) |
| 2013-present | American Society for Clinical Pathology (ASCP) |
|  |  |
|  | Committees |
| 2021–present | USCAP 2022 Abstract Submission Review Board |
| 2021–present | ASCP Resident Question Bank Committee |
|  |  |
|  | Fellowships |
|  |  |

**Community Engagement**

|  |  |  |
| --- | --- | --- |
| Year(s) | Role, brief description | Organization or institution |
|  |  |  |
|  |  |  |

**Educational Activities**

1. Direct Teaching

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Course Name, Rotation or Session Topic | Role | Number of Instruction hours | Primary Learner Audience (number) | Department or Organization |
| Medical and Graduate School (UME) Course Instruction, Small Group Instruction, Clinical Supervision | | | | | |
| 2018-2019 | Basics of Pathology: Gastrointestinal, Liver, Reproductive, Endocrine and Neural systems | Small group instructor | 10 hr/yr | Medical student | UTSW School of Medicine |
| 2022-2024 | Basics of Pathology:  Hemodynamic, cardiovascular, respiratory, renal , Hematopoietic, skeletal muscular, etc | Small group instructor | 10 hr/yr | Medical student | UTSW School of Medicine |
| 2018- present | Pathology Clerkship | Attending | ~ 3 wks/yr, | Medical student | UTSW School of Medicine |
| Graduate Medical Education (GME) Course Instruction, Small Group Instruction, Clinical Supervision | | | | | |
| 2018-Present | Sex-cord stromal tumors | Lecturer | 10 hr/yr | Resident didactic lectures | UTSW Pathology |
| 2018-Present | Sex-cord stromal tumors | Lecturer | 10 hr/yr | Gynecological oncology fellow lectures | UTSW Pathology |
| 2018-present | Gynecologic Pathology, cases review and sign outs | Attending | ~ 40 wks/yr, | Pathology Residents and Fellows | UTSW Department of Pathology |
| 2018-present | Pathology Intraoperative Consults (day and night calls) | Attending | ~ 1 h/wk | Pathology Residents | UTSW Department of Pathology |
| 2018-present | Gynecologic Pathology Unknowns | Instructor | 1 h/yr | Pathology Residents | UTSW Department of Pathology |
| Instructor in Continuing Medical Education (CME), Faculty Development, National Educational Symposia | | | | | |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

2. Curriculum Development

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Course Name or Curriculum Product | Role | Purpose | Primary Learner Audience | Organization or Institution |
| 2018-Present | Sex-cord stromal tumors | Lecturer |  | Residents | UTSW Pathology |
| 2018-Present | Sex-cord stromal tumors | Lecturer |  | Gynecological oncology fellows | UTSW Pathology |

3. Mentoring and Advising

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Mentee Name | Mentee Level/ Program and Institution | Role | Mentee Outcomes, Current Position |
|  |  |  |  |  |
|  |  |  |  |  |

4. Learner Assessment Activities or Tool Development

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Course Name or Session Topic | Role | Number of Evaluation Hours | Primary Learner Audience | Organization or Institution |
| 2018-present | Gynecologic Pathology Residents Rotation Slides Test x 2 | Director of Residents Rotation | ~ 12h/yr | Residents | UTSW Department of Pathology |
| 2021-present | ASCP Resident Question Bank Gynecological pathology section | Formulating questions and answers/explanations | 100 hr/yr | Surgical pathology trainee (residents and fellows), practicing gynecological pathologists | ASCP |

5. Educational Administration and Leadership

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Title | Responsibilities | Time (FTE or hours) | Organization and Program Scope | Outcomes |
| 2021-present | Co-chair | Vetting and generating annual Gynecological pathology test questions for ASCP society (residents, fellows, practicing pathologists) | 100 hr/yr | ASCP Resident Question Bank Committee- Gynecological pathology section | Annually updated Gynecological pathology question bank available online |
| 2018-present | Director of Residents Rotation | Leadership for Gynecologic Pathology Rotation | 3h/wks | UTSW Department of Pathology |  |

**Grant Review Activities**

|  |  |  |
| --- | --- | --- |
| Year(s) | Name of Review Committee | Organization |
|  |  |  |
|  |  |  |

**Editorial Activities**

|  |  |
| --- | --- |
| Year(s) | Journal Name |
| Editor/Associate Editor | |
|  |  |
|  |  |
| Editorial Board | |
| 2022–present | International Journal of Surgical Pathology |
| 2022–present | World Journal of Hematology and Oncology |
| 2024-2026 | Clinical Research and Reports |
| Ad Hoc Reviewer | |
| 2022-2024 | Scientific Reports |
| 2022-2024 | Biomarkers |
| 2022-2024 | International Journal of Surgical Pathology |
| 2023-2024 | Pharmacogenomics and personal medicine |
| 2022-2024 | International Journal of Molecular Sciences |
| 2024 | Clinical and Experimental Pharmacology and Physiology |
| 2024 | Journal of Cancer |
| 2023 | Histopathology |
| 2023 | Cancer Biology & Therapy |

**Grant Support** [*Include Educational Grants*]

|  |  |
| --- | --- |
| Active | Grantor: : UTSW Department of Pathology |
|  | Title of Project: The diagnostic and prognostic value of PTEN and WT-1 in endometrial serous carcinoma |
|  | Role: Principal Investigator |
|  | Annual amount and date : $12,000, 2024 |
|  |  |
|  |  |

|  |  |
| --- | --- |
| Past | Grantor: : UTSW Department of Pathology |
|  | Title of Project: The utility of biomarkers in accurate diagnosis of endometrial precancers |
|  | Role: Principal Investigator |
|  | Annual amount and date: $12,000, 2022 |
|  |  |
|  | Grantor: UTSW Department of Pathology |
|  | Title of Project: Therapeutic/prognostic biomarkers expression in gynecological carcinomas and their clinical implications, and the utility of biomarkers in accurate diagnosis of endometrial precancers |
|  | Role: Principal Investigator |
|  | Annual amount and date: $12,000, 2019 |

**Clinical Trials Activities**

|  |  |
| --- | --- |
| Present | *Grantor:* |
|  | *Title of Project:* |
|  | *Role (Principal Investigator, Site PI, Sub investigator):* |
|  |  |

|  |  |
| --- | --- |
| Past | *Grantor:* |
|  | *Title of Project:* |
|  | *Role (Principal Investigator, Site PI, Sub investigator):* |
|  |  |

**Invited Lectures**

|  |  |  |
| --- | --- | --- |
| Year(s) | Title | Location |
| International | | |
| 10/27/2023 | The utility of biomarkers in the accurate diagnosis of endometrial precancers | Department of Pathology, International Peace Maternity and Child Health Hospital Affiliated to Shanghai Jiao Tong University School of  Medicine, Shanghai, PR China |
|  |  |  |
| National | | |
|  |  |  |
|  |  |  |
| Regional/Local | | |
| 12/8/2020 | PD-L1 Expression and CD8+ Tumor-infiltrating Lymphocytes in Different Types of Tubo-ovarian Carcinoma and Their Prognostic Value in High-grade Serous Carcinoma | Department of Pathology |
| 9/7/2022 | Histopathologic diagnosis of endometrial precancers: Updates and future directions | North Texas Pathology Society |
| 1/3/2023 | Utility of a biomarker panel and morules in accurate diagnosis of endometrial precancers | Department of Pathology |

**Technological and Other Scientific Innovations**

|  |
| --- |
|  |
|  |

**Bibliography**

**Peer-Reviewed Publications**

Original Research Articles

|  |  |
| --- | --- |
|  | LI BA, Zheng Y, **Chen H**, et al. Specificity of lung tissue coating antigen from patients with severe acute respiratory syndrome. ACADEMIC JOURNAL OF SECOND MILITARY MEDICAL UNIVERSITY. 2003 May; 24(6): 35-37. |
|  | He WP, Zheng Y, Zhao J, **Chen H** et al. Relationship between SARS-related antibodies and steroid treatment and its clinical significance. Acad J Sec Mil Med Univ. 2003 Jun; 24(6): 32-36. |
|  | LI J, **Chen H**, LI BA, et al. Production of SARS coronavirus specific antibodies in SARS patients. Academic Journal of Second Military Medical University. 2003 Jul; 07(1): 21-23. |
|  | Cheng Y, Zheng Y, **Chen H**, et al. Severe Acute Respiratory Syndrome (SARS) patient serum antibody discovery and analysis of relevant. CHINESE JOURNAL OF MICROBIOLOGY AND IMMUNOLOGY. 2003 Aug; 23(5): R895. |
|  | **Chen H**, Li BA, Zhao J, et al. Production of SARS-related anti-lung autoantibodies. Academic Journal of Second Military Medical University. 2003 Oct; 08(1): 21-23. |
|  | Li J, Yu Zheng, **Chen H**, et al. Expression and biological activities of TRAIL fusion protein gene. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2003 Nov; 19(6): 535-537. |
|  | Dong Y, Zhang HF, **Chen H**, et al. The cytokine secretion of peripheral blood mononucleocytes from patients infected with HCV. Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi. 2004 May; 20(3): 331-333. Cited in PubMed; PMID: 15193231. |
|  | Gao R, **Chen H**, L i J, et al. Antibody responses of epitope mimic peptide of N terminus of hypervariable region of HCV. Journal of Digestive Surgery. 2004 Mar; 3(4): 291-293. |
|  | Zhao J, **Chen H**, et al. Anti-lung tissue antibodies in SARS patient: The potential role of allergic reaction in pathologic development of SARS. Academic Journal of Second Military Medical University. 2004 May; 24(6): R563.19. |
|  | Li A, Qi Y, **Chen H**, et al. Clinical analysis of quantity of HBV DNA, serological indexes, and pre-C/C mutation in chronic hepatitis B patients. BULLETIN OF THE ACADEMY OF MILITARY MEDICAL SCIENCES. 2004 Nov; 28(2): 152-154. |
|  | Zhao J, LI J, **Chen H**, et al. DNA immunization of mice with plasmid encoding mimic epitopes of hypervariable region 1 of hepatitis C virus. ACTA ACADEMIAE MEDICINAE MILITARIS TERTIAE. 2004 Dec; 26(24): 31-33. |
|  | Dong Y, Zhang HF, **Chen H**, et al. Peripheral blood T cell subsets and Th1/Th2 cytokines secretion in children with chronic hepatitis C virus infection. Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi. 2007 Mar; 21(1): 26-28. |
|  | Dong Y, Zhang HF, **Chen H**, et al. Level of the cytokine secreted by periferal blood mononuclear cells in patients with chronic hepatitis C before antiviral therapy. Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi. 2008 Oct; 22(5): 364-366. |
|  | Ranganathan, P., **Chen H**, M. K. Adelman, and S. F. Schluter. 2009. Autoantibodies to the delta-opioid receptor function as opioid agonists and display immunomodulatory activity. J Neuroimmunol 217:65-73. PMID: 19879656 |
|  | **Chen H**, S. Kshirsagar, I. Jensen, K. Lau, R. Covarrubias, S. F. Schluter, and J. J. Marchalonis. 2009. Characterization of arrangement and expression of the T cell receptor gamma locus in the sandbar shark. Proc Natl Acad Sci U S A 106:8591-8596. PMID: 19439654 |
|  | **Chen H**, S. Kshirsagar, I. Jensen, K. Lau, C. Simonson, and S. F. Schluter. 2009. Characterization of arrangement and expression of the beta-2 microglobulin locus in the sandbar and nurse shark. Dev Comp Immunol. 2010 Feb; 34(2):189-95. PMID: 19782101 |
|  | **Chen H**, Bernstein H, Ranganathan P, Schluter SF. Somatic hypermutation of TCR γ V genes in the sandbar shark. Dev Comp Immunol. 2012 May; 37(1):176-83. doi: 10.1016/j.dci.2011.08.018. Epub 2011 Sep 8. PMID: 21925537 |
|  | **Chen H**, Untiveros GM, McKee LAK, Perez J, Li J, et al. (2012) Micro-RNA-195 and -451 Regulate the LKB1/AMPK Signaling Axis by Targeting MO25. PLoS ONE 7(7): e41574. doi:10.1371/journal.pone.0041574. PMID: 22844503 |
|  | McKee LA, **Chen H**, Regan JA, Behunin SM, Walker JW, Walker JS, Konhilas JP. Sexually dimorphic myofilament function and cardiac troponin I phosphospecies distribution in hypertrophic cardiomyopathy mice. Arch Biochem Biophys. 2013 Jul 1; 535(1):39-48. Epub 2013 Jan 23. [co-first author] PMID: 23352598 |
|  | Perez JN, **Chen H**, Regan JA, Emert A, Constantopoulos E, Lynn M, Konhilas JP. Effects of chemically induced ovarian failure on voluntary wheel-running exercise and cardiac adaptation in mice. Comp Med. 2013 Jun; 63(3):233-43. [co-first author] PMID: 23759526 |
|  | **Chen H**, Hyosook Hwang1, Laurel A. McKee1, Jessica N. Perez1, Jessica A. Regan1, Eleni Constantopoulos, Bonnie LaFleur and John P. Konhilas. Temporal and morphological impact of pressure overload in R403Q mutant mice. Front. Physiol. | doi: 10.3389/fphys.2013.00205 PMID: 23986715 |
|  | **Chen H**, Perez JN, Regan JA, Emert A, Constantopoulos E, Lynn M, Konhilas JP. A method to study the impact of chemically-induced ovarian failure on exercise capacity and cardiac adaptation in mice. J Vis Exp. 2014 Apr 7;(86). PMID: 24747886 |
|  | Konhilas JP, **Chen H**, Luczak E, McKee LA, Regan J, Watson PA, Stauffer BL, Khalpey ZI, Mckinsey TA, Horn T, LaFleur B, Leinwand LA. Diet and sex modify exercise and cardiac adaptation in the mouse. Am J Physiol Heart Circ Physiol. 2015 Jan 15;308(2):H135-45. PMID: 25398983 |
|  | Yulia Lipovka, **Hao Chen,** Josef Vagner, Theodore J. Price, Tsu-Shuen Tsao and John P. Konhilas. Oestrogen receptors interact with the α-catalytic subunit of AMP-activated protein kinase Biosci Rep. 2015 Oct; 35(5): e00264. PMID: 26374855 |
|  | **Chen H**, Arnold S, Klein R, Chambers S, and Zheng WX. Fallopian tube cytology from patients with prophylactive salpingo-oophrectomy. [Cancer Cell Int](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5045608/).2016; 16: 78. Published online 2016 Oct 1. PMID: 27733814 |
|  | Christiane A Danilo, Eleni Constantopoulos, Laurel A McKee, **Hao Chen**, Jessica A Regan, Yulia Lipovka, Sampo Lahtinen, Lotta K Stenman, Thuy-Vi V Nguyen, Kristian P Doyle, Marvin J Slepian, John Konhilas, Ph.D. Bifidobacterium animalis subsp. lactis 420 mitigates the pathological impact of myocardial infarction in the mouse, Benef Microbes. 2017 Apr 26;8(2):257-269. doi: 10.3920/BM2016.0119. Epub 2017 Apr 14. PMID: 28409534 |
|  | **Chen H**, Arnold S, Klein R, Chambers S, and Zheng WX. Tubal cytology as a promising tool for ovarian cancer early detection. **J Vis Exp**. 2017 Jul 25;(125). PMID: 28784945 |
|  | Li L, Wang X, Park JY, **Chen H**, Wang Y, Zheng W. **Hum Pathol.** Pathological findings in explanted vaginal mesh.2017 Sep 29. pii: S0046-8177(17)30349-0. doi: 10.1016/j.humpath.2017.07.020. PMID: 28970142 |
|  | Yiying Wang, **Chen H**, Miaoqing Zhao, Oluwole Fadare, Wenxin Zheng MD. Primary Ovarian Pregnancy: A case series and analysis. **Int J Gynecol Pathol**. 2019 Jan;38(1):85-91. doi: 10.1097/PGP.0000000000000482. PMID: 29369923 |
|  | Xu, H., Li, J., **Chen, H**. and Ghishan, F. K. NHE8 Deficiency Promotes Colitis-Associated Cancer in Mice via Expansion of Lgr5-Expressing Cells. **Cell Mol Gastroenterol Hepatol.** 2018 Aug 24;7(1):19-31. doi: 10.1016/j.jcmgh.2018.08.005. eCollection 2019. PMID: 30465020 |
|  | Lucas E1, **Chen H,** Molberg K, Castrillon DH, Rivera Colon G, Li L, Hinson S, Thibodeaux J, Lea J, Miller DS, Zheng W. Mismatch Repair Protein Expression in Endometrioid Intraepithelial Neoplasia/Atypical Hyperplasia: Should We Screen for Lynch Syndrome in Precancerous Lesions? **Int J Gynecol Pathol.** 2019 Nov;38(6):533-542. doi: 10.1097/PGP.0000000000000557.PMID: 30383610 **[co-first author]** |
|  | Chen R, Zhang M, Liu W, **Chen H**, Cai T, Xiong H, Sheng X, Liu S, Peng J, Wang F, Chen H, Lin W, Xu X, Zheng W, Jiang Q. Estrogen affects the negative feedback loop of PTENP1-miR200c to inhibit PTEN expression in the development of endometrioid endometrial carcinoma. **Cell Death Dis.** 2018 Dec 18;10(1):4. doi: 10.1038/s41419-018-1207-4. PMID: 30584245 |
|  | Wang Y, **Chen H**, Jiang Q, Luo R, Zhou P, Wang Y, Zhao R, Fadare O, Zheng W. Effect of Progestin Usage on the Interpretation of Cervical High-grade Squamous Intraepithelial Lesion. **Am J Surg Pathol.** 2019 Aug;43(8):1066-1073 PMID: 31045892 **[co-first author]** |
|  | Rivera-Colon G, **Chen H,** Niu S, Lucas E, Holloway S, Carrick K, Gwin K, Lea J, Zheng W. Cervical Adenocarcinoma: Histopathologic Features from Biopsies to Predict Tumor Behavior. **Am J Surg Pathol.** 2020 Feb;44(2):247-254. doi: 10.1097/PAS.0000000000001379. PMID: 31567190 **[co-first author]** |
|  | Hongyi Zhang, Longchao Liu, Jian Zhang, Jiahui Chen, Jianfeng Ye, Sachet Shukla, Jian Qiao, Xiaowei Zhan, **Hao Chen,** Catherine Wu, and Yang-Xin Fu and Bo Li. Investigation of antigen-specific T cell receptor clusters in human cancers. **Clin Cancer Res**. 2020 Mar 15;26(6):1359-1371. doi: 10.1158/1078-0432.CCR-19-3249. PMID: 31831563 |
|  | T. Pham, B. Banerjee, B. Cromey, S. Mehravar, B. Skovan, **H. Chen**, and K. Kieu. Feasibility of multimodal multiphoton microscopy to facilitate surgical margin assessment in pancreatic cancer, **Appl. Opt.** **59**, G1-G7 (2020). PMID: 32749310 |
|  | John P. Konhilas, Jessica N. Sanchez, Jessica Regan, Eleni Constantopoulos, Marissa Anne Pier, Danielle Cannon, Rinku Skaria, Laurel A. Mckee, **Hao Chen**, Yulia Lipovka, Dennis P. Pollow, Heddwen L. Brooks. Using 4-vinylcyclohexene diepoxide as a model of menopause for cardiovascular disease, **Am J Physiol Heart Circ Physiol.** 2020 Jun 1;318(6):H1461-H1473. doi: 10.1152/ajpheart.00555.2019. Epub 2020 May 8. PMID: 32383991 |
|  | **Hao Chen**, Kyle Molberg, Amanda L Strickland, Diego H Castrillon, Kelley Carrick, Qingping Jiang, Shuang Niu, Glorimar Rivera-Colon, Katja Gwin, Stacy Hinson, Jayanthi Lea, David S Miller, Wenxin Zheng, Elena Lucas. PD-L1 Expression and CD8+ Tumor-infiltrating Lymphocytes in Different Types of Tubo-Ovarian Carcinoma and Their Prognostic Value in High-grade Serous Carcinoma. **Am J Surg Pathol** 2020 Aug;44(8):1050-1060. doi: 10.1097/PAS.0000000000001503. PMID: 32384321 |
|  | **Chen, Hao**; Lucas, Elena; Strickland, Amanda L; Carrick, Kelley; Gwin, Katja; Castrillon, Diego H; Rivera-Colon, Glorimar; Niu, Shuang; Molberg, Kyle H; Zheng, Wenxin. Specific Biomarker Expression Patterns in the Diagnosis of Residual and Recurrent Endometrial Precancers After Progestin Treatment A Longitudinal Study. **Am J Surg Pathol** 2020: 2020 Oct;44(10):1429-1439. doi: 0.1097/PAS.0000000000001537. PMID: 32931681 |
|  | Zhou F, Zhang X, **Chen H**, Zheng W. Dedifferentiated Endometrioid Carcinomas with Neuroendocrine Differentiation: A Clinicopathological and Immunohistochemical Study of Three Cases. **Cancer Manag Res.** 2020 Nov 13;12:11623-11629. doi: 10.2147/CMAR.S279888. eCollection 2020. PMID: 33223851 |
|  | Glorimar Rivera-Colon M, **Hao Chen**, Kyle Molberg, Shuang Niu, Amanda L. Strickland, Diego H. Castrillon, Kelley Carrick, Katja Gwin, Jayanthi Lea, Wenxin Zheng, Elena Lucas. PD-L1 expression in endocervical adenocarcinoma: Correlation with patterns of tumor invasion, CD8+ tumor-infiltrating lymphocytes, and clinical outcomes. **Am J Surg Pathol**. 2021 Jun 1;45(6):742-752. doi: 10.1097/PAS.0000000000001633. PMID: 33298732 **[Co-first author]** |
|  | Mitzi Aguilar, He Zhang, Musi Zhang, Brandi Cantarell, Subhransu S. Sahoo, Hao-Dong Li, Ileana C. Cuevas, Jayanthi Lea, David S. Miller, **Hao Chen**, Wenxin Zheng, Jeffrey Gagan, Elena Lucas, Diego H. Castrillon. Serial genomic analysis of endometrium supports the existence of histologically indistinct endometrial cancer precursors. **J Pathol. 2021** May;254(1):20-30. doi: 10.1002/path.5628. Epub 2021 Mar 9**.** PMID: 33506979 |
|  | Shuang Niu, Glorimar Rivera Colon, Kyle Molberg, **Hao Chen**, Kelley Carrick, Shirley Yan, Venetia Sarode, Elena Lucas. Significance of Oil-Red-O positive Macrophages in Bronchoalveolar Lavage in Diagnosing E-cigarettes or Vaping Product Use-associated Lung Injury: A Case Series" **Diagn Cytopathol.** 2021 Jul;49(7):876-884. doi: 10.1002/dc.24760. Epub 2021 Apr 26. PMID: 33900686 |
|  | Feng Zhou, Yuezhou Chen, Amanda Louise Strickland, **Hao Chen**, Xiaofei Zhang. Prevalence of genotype-specific human papillomavirus in cytology specimens and cervical biopsies, and its implication in cervical cancer risk stratification: a retrospective study of 10647 cases. **Journal of Cancer**2021; 12(23): 7167-7176. doi: 10.7150/jca.60601 Online ahead of print PMID: 34729118. **[Co-Corresponding author]** |
|  | Mitzi Aguilar, **Hao Chen**, Glorimar Rivera-Colon, Shuang Niu, Kelley Carrick, Katja Gwin, Ileana C. Cuevas, Subhransu S. Sahoo, Hao-Dong Li, Song Zhang, Wenxin Zheng, Elena Lucas, Diego H. Castrillon. Reliable identification of endometrial precancers through combined Pax2, β-catenin, and Pten immunohistochemistry. **Am J Surg Pathol.** 2022 Mar 1;46(3):404-414. PMID: 34545858 |
|  | Sridevi Challa, Beman R. Khulpateea, Tulip Nandu, Cristel V. Camacho, Keun W. Ryu, **Hao Chen**, Yan Peng, Jayanthi S. Lea, and W. Lee Kraus. Ribosome ADP-Ribosylation Inhibits Translation and Maintains Proteostasis in Cancers. **Cell.** 2021 Aug 19;184(17):4531-4546.e26. doi: 10.1016/j.cell.2021.07.005. Epub 2021 Jul 26. PMID: 34314702 |
|  | Minfen Zhang, Hui Chen, Ping Qin, Tonghui Cai, Lingjun Li, Ruichao Chen, **Hao Chen**, Amanda Strickland, Shaoyan Liu, Wanrun Lin, Hanzhen Xiong. UPF1 impacts on mTOR signaling pathway and autophagy in Endometrioid endometrial carcinoma. **Aging.** **2021** 2021 Sep 14;13(17):21202-21215. doi: 10.18632/aging.203421. Epub 2021 Sep 14. PMID: 34520393 |
|  | Qin Liu, Xin Zhou, Xiaofei Zhang, Amanda Louise Strickland, Wenxin Zheng, **Hao Chen**, Feng Zhou. HPV genotype specific and age stratified immediate prevalence of cervical precancers and cancers in women with NILM/hrHPV+: a single center retrospective study of 26228 cases. **Cancer Manag Res.** 2021 Sep 2;13:6869-6877. PMID: 34512026 PMCID: PMC8421554doi: 10.2147/CMAR.S328279. eCollection**. [Co-Corresponding author]** |
|  | Lili Chen, Elena Lucas, Xiaofei Zhang, Qin Liu, Yalin Zhuang, Wanrun Lin, **Hao Chen,** Feng Zhou. PD-L1 expression in HPV-independent cervical adenocarcinoma and its prognostic significance. **Histopathology**. Histopathology. 2021 Nov;79(5):861-871. doi: 10.1111/his.14435. Epub 2021 Sep 3. PMID: 34455625 **[Co-Corresponding author]** |
| 1. [1] | Yue Wang, Ruby Jean Chang et al. among authors: **Hao Chen**. Tumoral Morphologic Features From Cervical Biopsies That Are Predictive of a Negligible Risk for Nodal Metastasis and Tumor Recurrence in Usual-type Cervical Adenocarcinomas: A Multi-institutional Study. **Am J Surg Pathol.** 2022 May 1;46(5):713-724. doi: 10.1097/PAS.0000000000001833. PMID: 34753864 |
|  | Feng Zhou, **Hao Chen**, Meiping Li, Amanda Louise Strickland, Wenxin Zheng, Xiaofei Zhang. The prognostic values of HPV genotypes and tumor PD-L1 expression in patients with HPV associated endocervical adenocarcinoma. **Am J Surg Pathol.** 2022 Mar 1;46(3):300-308. PMID: 35175967 **[co-first author]** |
|  | Subhransu S. Sahoo, Mitzi Aguilar, Yan Xu, Elena Lucas, Valerie Miller, **Hao Chen**, Wenxin Zheng, Ileana C. Cuevas, Hao-Dong Li, David Hitrys, Megan B. Wachsmann, Justin A. Bishop, Brandi Cantarell, Jeffrey Gagan, Prasad Koduru, Jeffrey A. SoRelle & Diego H. Castrillon. Endometrial polyps are non-neoplastic but harbor epithelial mutations in endometrial cancer drivers at low allelic frequencies. **Mod Pathol** (2022). PMID: 35798968 <https://doi.org/10.1038/s41379-022-01124-5>. Online ahead of print. |
|  | **Chen H**, Molberg K, Carrick K, Niu S, Rivera Colon G, Gwin K, Lewis C, Zheng W, Castrillon DH, Lucas E. Prevalence and prognostic significance of PD-L1, TIM-3 and B7-H3 expression in endometrial serous carcinoma. **Mod Pathol.** 2022 Jul 8. doi: 10.1038/s41379-022-01131-6. Epub ahead of print. PMID: 35804040. |
|  | Shuang Niu, Elena Lucas, Kyle Molberg, Amanda Strickland, Yan Wang, Kelley Carrick, Glorimar Rivera-Colon, Katja Gwin, Jeffrey A. SoRelle, Diego H. Castrillon, Wenxin Zheng, and **Hao Chen**. Morules but Not Squamous Differentiation are a Reliable Indicator of CTNNB1 (β-catenin) Mutations in Endometrial Carcinoma and Precancers. **Am J Surg Pathol** 2022;00:000–000. Epub ahead of print. PMID: 35834400 **(corresponding author)** |
|  | Daniel Laubitz, Michael A. Gurney, Monica Midura-Kiela, Christy Clutter, David G. Besselsen, **Hao Chen**, Fayez K. Ghishan, Pawel R. Kiela. NHE3 expression in colon cancer is associated with DNA damage, increased inflammation and tumor growth. **Sci Rep**  . 2022 Aug 30;12(1):14725. doi: 10.1038/s41598-022-19091-x**.** PMID: 36042372 |
|  | Yu X, Lin W, Spirtos A, Wang Y, **Chen H**, Ye J, Parker J, Liu CC, Wang Y, Quinn G, Zhou F, Chambers SK, Lewis C, Lea J, Li B, Zheng W. Dissection of transcriptome dysregulation and immune characterization in women with germline BRCA1 mutation at single-cell resolution. **BMC Med.** 2022 Sep 9;20(1):283. doi: 10.1186/s12916-022-02489-9. PMID: 36076202; PMCID: PMC9461201. |
|  | Tao Zhang, Xin Zhou, Xiaofei Zhang, Shuang Niu, **Hao Chen,** Feng Zhou. Discordance of PD-L1 expression in primary and metastatic ovarian high-grade serous carcinoma and its correlation with CD8+ tumor-infiltrating lymphocytes and patient prognosis. **Virchows Archiv.** 2023. **Virchows Archiv** PMID: 36806916 <https://doi.org/10.1007/s00428-023-03512-x>. **[Co-Corresponding author]** |
|  | Wang S, Zhou X, Niu S, Chen L, Zhang H, **Chen H**, Zhou F. Assessment of HER2 in Gastric-Type Endocervical Adenocarcinoma and its Prognostic Significance. **Mod Pathol.** 2023 Feb 24;36(6):100148. doi: 10.1016/j.modpat.2023.100148. Epub ahead of print. PMID: 36841435. **[Co-Corresponding author]** CAP Today January issue anatomic pathology selected abstracts. |
|  | Aguilar M, **Chen H**, Sahoo SS, Zheng W, Grubman J, SoRelle JA, Lucas E, Castrillon DH. β-catenin, Pax2, and Pten Panel Identifies Precancers Among Histologically Subdiagnostic Endometrial Lesions. **Am J Surg Pathol.** 2023 May 1;47(5):618-629. doi: 10.1097/PAS.0000000000002034. Epub 2023 Mar 20. PMID: 36939046; PMCID: PMC10101134. |
|  | Lucas E, Niu S, Aguilar M, Molberg K, Carrick K, Rivera-Colon G, Gwin K, Wang Y, Zheng W, Castrillon DH, **Chen H**. Utility of a PAX2, PTEN, and β-catenin Panel in the Diagnosis of Atypical Hyperplasia/Endometrioid Intraepithelial Neoplasia in Endometrial Polyps. **Am J Surg Pathol.** 2023 Jun 14. doi: 10.1097/PAS.0000000000002076. Epub ahead of print. PMID: 37314146. **[Corresponding author]** |
|  | Zhang T, Zhu Y, Luo J, Li J, Niu S, **Chen H**, Zhou F. An integrated model for prognosis in vulvar squamous cell carcinoma. BMC Cancer. 2023 Jun 12;23(1):534. doi: 10.1186/s12885-023-11039-2. PMID: 37308869; PMCID: PMC10259032. **[Co-Corresponding author]** |
|  | Sun, Y.; Zhou, X.; Lucas, E.; Chen, L.; Zhang, H.; **Chen, H**.; Zhou, F. Expression of B7-H3 and TIM-3 in gastric-type endocervical adenocarcinoma: prevalence, association with PD-L1 expression, and prognostic significance. J Pathol Clin Res 2024 Jan;10(1):e345. doi: 10.1002/cjp2.345.. PMID: 37798754. [**Co-Corresponding author]** |
|  | Chen, L, Zhu, K, **Chen, H**, et al. Correlation of immediate prevalence of cervical squamous cell precancers and cancers with HPV genotype and age in women with LSIL cytology: A retrospective analysis of 1617 cases. Diagnostic Cytopathology 2024 Jan;52(1):10-15. doi: 10.1002/dc.25229. PMID: 37740483 |
|  | Manisha Taya, Xiaonan Hou, Jennifer T. Veneris, Nina Kazi, Melissa C. Larson, Matthew J. Mauer, Ethan P. Heinzen, **Hao Chen**, Ricardo R Lastra, Ann L. Oberg, S. John Weroha, Gini F. Fleming, Suzanne D Conzen. Investigation of selective glucocorticoid receptor modulation in high-grade serous ovarian cancer PDX models. J Gynecol Oncol  . 2024 Jun 14. doi: 10.3802/jgo.2025.36.e4. PMID: 38909640 DOI: 10.3802/jgo.2025.36.e4 |
|  | Marwa W. Aljardali, Kevin M Kremer, Jessica E Parker, Elaine Fleming, **Hao Chen**, Jayanthi S. Lea, W. Lee Kraus, Cristel V. Camacho; Nucleolar Localization of the RNA Helicase DDX21 Predicts Survival Outcomes in Gynecological Cancers. Cancer Research Communications 2024; PMID: 38767454 https://doi.org/10.1158/2767-9764.CRC-24-0001 |
|  | Su Wang, Xianfeng Huang, Xin Zhou, Shuang Niu, Lili Chen, **Hao Chen**, Feng Zhou. Micropapillary endocervical adenocarcinoma, a distinct histological variant that associated with aggressive behavior and poor prognosis: A clinicopathologic study of ten Cases. International Journal of Surgical Pathology. 2024. Accepted. **[Co-Corresponding author]** |
|  | Liu N, Lin W, Wang Y, Yao Z, Rivera-Colon G, Li Y, Carrick KS, **Chen H**, Lucas E, Zheng W. Predicting Progestin Therapy Response With PTEN, PAX2, and β-Catenin in Patients With Endometrioid Precancer. Int J Gynecol Pathol. 2024 Jan 31. doi: 10.1097/PGP.0000000000001008. Epub ahead of print. PMID: 38293998. |
|  | Del Mundo, Maria M. BS; Aguilar, Mitzi BS; **Chen, Hao** MD, PhD; Niu, Shuang MD, PhD; Sahoo, Subhransu S. PhD; Roy, Sambit, PhD; Zheng, Wenxin MD; Lucas, Elena MD‖; Castrillon, Diego H. MD, PhD. β -catenin, Pax2, and Pten aberrancy across the spectrum of endometrioid ovarian lesions. Int J Gynecol Pathol. 2024 International Journal of Gynecological Pathology:10.1097/PGP.0000000000001046, July 31, 2024. | DOI: 10.1097/PGP.0000000000001046 |
|  | **Hao Chen**, Kyle Molberg, Kelley Carrick, Shuang Niu, Glorimar Rivera Colon, Katja Gwin, Cheryl Lewis, Jayanthi Lea, Vandana Panwar, Wenxin Zheng, Diego H. Castrillon, Elena Lucas. Expression and Prognostic Significance of LAG-3, TIGIT, VISTA, and IDO1 in Endometrial Serous Carcinoma. **Modern Pathology**.2 2024 Aug;37(8):100532. doi: 10.1016/j.modpat.2024.100532. Epub 2024 Jun 5. PMID: 38848896 DOI: 10.1016/j.modpat.2024.100532 |
|  | Shuang Niu, Katja Gwin , Jackson Chen, Yan Li , Elena Lucas, **Hao Chen**. Mesonephric‑like adenocarcinomas, an underdiagnosed rare type of gynecological malignancy associated with aggressive clinical behaviors: a series of 4 cases from single institution. International Journal of Surgical Pathology. 2024. Accepted. |

Reviews, Book Chapters, Monographs and Editorials

|  |  |
| --- | --- |
|  | **Chen H**, J.P. Konhilas. Probiotic Species on Cardiovascular Disease. In: Bioactive Food as Dietary Interventions for Cardiovascular Disease. Elsevier, 2013:303-317 |
|  | **Hao Chen**, Charles Matthew Quick, Oluwole Fadare, Wenxin Zheng. Chapter 8. Germ Cell Tumors and Mixed Germ Cell Sex Cord-Stromal Tumors of the Ovary. W. Zheng et al. (eds.), Gynecologic and Obstetric Pathology, Volume 2.Springer, Singapore. **ISBN** 978-981-13-3018-6 |
|  | **Chen H**, W Zheng. Chapter 8. Endometrial premalignant lesions. Yee Khong, Annie NY Cheung, Wenxin Zheng (eds.), Diagnostic endometrial pathology (second edition). CRC Press. ISBN 9781138626416 |
|  | **Chen H,** W Zheng. Chapter 9. Endometrial malignant lesions. Yee Khong, Annie NY Cheung, Wenxin Zheng (eds.), Diagnostic endometrial pathology (second edition). CRC Press. ISBN 9781138626416 |
|  | Chang R, **Chen H**. Disordered proliferative. PathologyOutlines.com website. https://www.pathologyoutlines.com/topic/uterusdisorderedproliferative.html.  2021. **(corresponding author)** |
|  | Sorelle N, Chang R, **Chen H**. Ectopic / tubal pregnancy. PathologyOutlines.com website. https://www.pathologyoutlines.com/topic/fallopiantubesectopicpregnancy0.html. **(corresponding author)** |
|  | **Chen H**, Guo D, et al. Chapter 17. Precursor lesions of endometrial cancer. W. Zheng et al. (eds.), Gynecologic and Obstetric Pathology (2nd edition, Chinese version) Science Press Beijing, Springer. |
|  | **Chen H**, Strickland AL, Castrillon DH. Histopathologic diagnosis of endometrial precancers: Updates and future directions. Semin Diagn Pathol. 2022 May;39(3):137-147. PMID: 34920905; PMCID: PMC9035046. |
|  | Chang RJ, Rivera-Colon G, **Chen H**, Niu S, Carrick K, Lucas E, Gwin K, Zheng W. Navigating through perplex morphologic changes after exogenous hormone usage. Semin Diagn Pathol. 2022 May;39(3):148-158. doi: 10.1053/j.semdp.2021.10.001. PMID: 34782217 |
|  | Elena Lucas, **Hao Chen**, Subhransu S. Sahoo, Kelley Carrick, Jessica Grubman, Wenxin Zheng, Jonathan Hecht, Diego H. Castrillon. β-catenin, PAX2 and PTEN panel in the diagnosis of endometrial precancers: a case-based review. Diagnostic Histopathology,  Volume 29, Issue 10, 2023, Pages 468-482, ISSN 1756-2317, https://doi.org/10.1016/j.mpdhp.2023.07.006. |
|  | Shuang Niu, Kyle Molberg, Diego H Castrillon, Elena Lucas and **Hao Chen.** Biomarkers in the diagnosis of endometrial precancers -- molecular characteristics, candidate immunohistochemical markers, promising results of 3-marker panel: current status and future directions. Cancers (Basel). 2024 Mar 15;16(6):1159. doi: 10.3390/cancers16061159.PMID: 38539494 **[Corresponding author].** *Feature Papers from the First Half of 2024 in the Section “Cancer Pathophysiology”-Cancers* |
|  | **Chen, H**., Quick, C., Zheng, W., Fadare, O. Germ Cell Tumors and Mixed Germ Cell-Sex Cord-Stromal Tumors of the Ovary. Gynecologic and Obstetric Pathology, 2nd edition 2024. DOI 10.1007/978-981-19-7696-4\_72-1 |

Books/Textbooks

|  |  |
| --- | --- |
|  |  |
|  |  |

Case Reports

|  |  |
| --- | --- |
|  | Chan O, **Chen H**, Krishnadasan R, Anwer F. Case of relentless chronic phase of chronic myeloid leukaemia. BMJ Case Rep. 2016 Jun 22;2016. PMID: 27335363 |
|  | Srinath Sundararajan, **Chen H**, Abhijeet Kumar, Katalin Tus, Andrew Yeager, and Soham Puvvada. Donor-derived marginal zone lymphoma following reduced-intensity allogeneic peripheral blood stem cell transplant. Leuk Lymphoma. 2016 Jul;57(7):1735-8. PMID: 26700138 |
|  | Glorimar Rivera Colón, Shuang Niu, **Hao Chen**, Yan Peng. Collision Tumor of Endometrial Large Cell Neuroendocrine Carcinoma and Low-grade Endometrial Stromal Sarcoma: a case report and review of the literature. International Journal of Surgical Pathology. Int J Surg Pathol. 2020 Aug;28(5):569-573. doi: 10.1177/1066896920901764. Epub 2020 Jan 28. PMID: 31992096 |
|  | Yao Sun, Yuezhou Chen, Xiaofei Zhang, **Hao Chen**, Feng Zhou. Primary ovarian serous carcinomas with extensive squamous differentiation: a case report and literature review. BMC Womens Health. 2021 May 8;21(1):193. doi: 10.1186/s12905-021-01336-y.PMID: 33964926 PMCID: PMC8106833 DOI: 10.1186/s12905-021-01336-y |
|  | Samantha Mendoza Stanteen, Taemee Pak, **Hao Chen**, Matthew Carlson, and Jessica Lee. Clear Cell Carcinoma Arising from Ovarian and Thoracic Endometriosis: A Case Report and Review of Literature. Case Rep Obstet Gynecol. 2022 Jun 29;2022:7624305. doi: 10.1155/2022/7624305. eCollection 2022. PMID: 35814167 |
|  | Deepak Donthi, MD, **Hao Chen**, MD PhD, Yan Peng, MD PhD, Shuang Niu, MD PhD. Ovarian microcystic stromal tumor with intraovarian recurrence and peritoneal and omental spread: a case report with morphological, immunohistochemical and molecular analysis. Int J Gynecol Pathol. 2022 Aug 9. doi: 10.1097/PGP.0000000000000906. Online ahead of print. PMID: 36044304 DOI: 10.1097/PGP.0000000000000906 |
|  | Vandana Panwar, MD Yu Liu, MD,PhD Katja Gwin, MD **Hao Chen**, MD, PhD. COL1A1-PDGFB fusion associated fibrosarcoma of the uterine corpus: A case report and literature review. **Int J Gynecol Pathol.** 2023 Mar 1;42(2):143-146. doi: 10.1097/PGP.0000000000000850., PMID: 36729934. **[Corresponding author]** |
|  | Donthi D, **Chen H**, Peng Y, Niu S. Ovarian Microcystic Stromal Tumor With Intraovarian Recurrence and Peritoneal and Omental Spread: A Case Report With Morphological, Immunohistochemical, and Molecular Analysis. Int J Gynecol Pathol. 2023 Sep 1;42(5):491-495. doi: 10.1097/PGP.0000000000000906. Epub 2022 Aug 9. PMID: 36044304. |

Letters to the Editor

|  |  |
| --- | --- |
|  |  |
|  |  |

Meeting Summaries or Proceedings

|  |  |
| --- | --- |
|  |  |
|  |  |

Clinical Practice Guidelines

|  |  |
| --- | --- |
|  |  |
|  |  |

**Non-peer reviewed scientific or medical publications/materials in print or other media (no abstracts)**

|  |  |
| --- | --- |
|  |  |
|  |  |