

ZENGGANG PAN, MD, PhD, FCAP

Professor of Pathology

University of Colorado, Anschutz Medical Campus

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Career Interests • Hematopathology and surgical pathology

Lymphoma microenvironment

Lymphoma and leukemia classification

Medical education

EDUCATION BACKGROUND

09/2020 - 05/2021	Emerging Leaders Program (ELP)		
	Yale School of Management, Yale Medicine, and Yale New Haven Health		
07/2011 - 06/2012	Fellowship Training, Hematopathology		
	Department of Pathology, City of Hope National Medical Center		
	Duarte, California, USA		
07/2010 - 06/2011	Fellowship Training, Surgical Pathology		
	Department of Pathology, University of Alabama at Birmingham		
	Birmingham, Alabama, USA		
07/2006 - 06/2010	Residency Training, Anatomic Pathology and Clinical Pathology		
	Department of Pathology, Creighton University Medical Center		
	Omaha, Nebraska, USA		
08/2000 - 06/2006	Doctor of Philosophy (PhD)		
	Mentor: Wing-Chung (John) Chan, MD		
	Center for Leukemia and Lymphoma Research		
	Department of Pathology and Microbiology		
	University of Nebraska Medical Center, Omaha, Nebraska, USA		
08/1997 - 07/2000	Pathology Resident, Teaching Assistant, Lymphoma Research and Diagnosis		
	Mentor: Zifen Gao, MD		
	Laboratory for Lymphoma Diagnosis and Research		
	Department of Pathology		

Peking University Health Science Center (Beijing Medical University)

02/1996 – 07/1997 Medical School Rotation for Lymphoma Research

Mentor: Zifen Gao, MD

Laboratory for Lymphoma Diagnosis and Research

Department of Pathology

Peking University Health Science Center (Beijing Medical University)

Beijing, China

08/1992 – 07/1997 **Doctor of Medicine (MD)**

Peking University Health Science Center (Beijing Medical University)

Beijing, China

ACADEMIC APPOINTMENTS

University of Colorado Anschutz Medical Campus (01/2022 – Present)

01/2022 – Present Professor, Department of Pathology

Director of Hematopathology Chair of Pathology Finance

Yale University School of Medicine (07/2018 – 05/2022)

07/2018 - 05/2022	Associate Professor, Department of Pathology
06/2020 - 05/2022	Associate Program Director, Pathology Residency Training
	Chair, Clinical Competency Committee for AP/CP Residency
05/2020 - 05/2022	Director, Pathology Coding and Billing Compliance
04/2019 - 05/2022	Full Member, Yale Caner Center, Caner-Immunology Research Program

University of Colorado Denver (07/2012 – 07/2018)

07/2018 - 07/2018	Associate Professor of Pathology, University of Colorado Denver		
06/2017 - 07/2018	Associate Program Director, Pathology Residency Training		
07/2014 - 07/2018	Site Program Director, Hematopathology Fellowship Training		
	Director of Surgical Pathology Rotation for Residents		
	Member of Clinical Competency Committee for AP/CP Residency		
07/2012 - 07/2018	Assistant Professor of Pathology, University of Colorado Denver		
	Attending Pathologist, University of Colorado Hospital		
	Medical director of the POCT lab, the Colorado Center - Radiology		
	Medical director of the POCT lab, the AF Williams Family Medical Center		
07/2012 - 07/2016	Director of Hematology Laboratory, University of Colorado Hospital		

HONORS, SEPCIAL RECOGNITIONS AND AWARDS

- 2021 The Averill A. Liebow Award for Excellence in the Teaching of Pathology Residents, Department of Pathology, Yale University School of Medicine
- 2018 Robert L. Low, MD, PhD Award for Excellence in Education of Pathologists, Department of Pathology, University of Colorado Denver
- 2017, 2015, 2014, 2013 Summit Award for Excellence in Teaching and the Education of Pathologists

Department of Pathology, University of Colorado Denver

- 2013 The *William S. Hammond MD Excellence in Teaching Award* Department of Pathology, University of Colorado Denver First time awarded to a new faculty
- 2011 The Leonard H. Robinson Award for Excellence in Resident Education Department of Pathology, University of Alabama at Birmingham First time awarded to a fellow
- 2009 Resident Research Grant Award from the CAP Foundation

- 34th Annual Midwest Student Biomedical Research Forum, Omaha, NE, 2003
 - o Second-Place Award in Poster Presentation, Basic science category
 - o Third-Place Award in Poster Presentation, Graduate student/Resident category
- Distinguished Pathology Teacher, Beijing Medical University, 1999
- Distinguished Pathology Teacher, Beijing Medical University, 1998

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- United States and Canadian Academy of Pathology (USCAP)
- American Society for Clinical Pathology (ASCP)
- College of American Pathologists (CAP)
- American Society of Hematology (ASH)
- Chinese American Pathologists Association (CAPA)
- American Medical Association (AMA)
- Colorado Society of Clinical Pathologists (CSCP)

MAJOR COMMITTEE AND SERVICE RESPONSIBILITIES

09/23-09/24/2023	9th CAPA Annual Keystone Diagnostic Meeting, Keystone CO	
	Co-Chair and Local Organizer	
01/2023 – Present	Economic Affairs Committee, College of American Pathologists (CAP)	
03/2022 – Present	Member, Executive Committee	
	Co-chair, Education Committee and Hematopathology Subcommittee	
	Chinese American Pathologists Association (CAPA)	
01/2016 - 03/2021	Ambassador, United States and Canadian Academy of Pathology	
01/2019 – Present	Volunteer Consultant, Kilimanjaro Christian Medical Center, Tanzania	
	Organized by American Society for Clinical Pathology (ASCP)	
03/2019 - 03/2020	Member, Board of Directors	
	Chinese American Pathologists Association (CAPA)	
03/2018 - 03/2020	Member, Executive Committee	
	Chair, Membership and Website Committee	
	Chinese American Pathologists Association (CAPA)	
05/2016 - 03/2020	Chair, Online Education Subcommittee	
	Member, Hematopathology Subcommittee	
	Chinese American Pathologists Association (CAPA)	
01/2016 - 07/2018	Vice President, Colorado Society of Clinical Pathologists	

LICENSURE AND BOARD CERTIFICATION

- Colorado Medical License, Active
- California Medical License, Active
- Connecticut Medical License, inactive
- Alabama Medical License, Inactive
- Hematopathology Board, Certified, 09/2012
- American Board of Pathology, AP/CP, Certified, 08/2010
- USMLE Step III, 03/15/2007
- ECFMG, Certified, 01/12/2006
- USMLE Step II, CS 11/17/05
- USMLE Step II, CK 10/18/05
- USMLE Step I, 01/27/05
- Chinese Medical Board Certificate, 11/1999

REVIEW AND REFEREE WORK

- Section Editor, Case Reports Hematopathology, American Society for Clinical Pathology
- Hematopathology Section Editor, Human Pathology Reports
- Editorial Board, *Hematopathology*
- Editorial Board, Annals of Clinical Pathology
- Ad Hoc Reviewer, Archives of Pathology & Laboratory Medicine
- Ad Hoc Reviewer, Blood
- Ad Hoc Reviewer, American Journal of Clinical Pathology
- Ad Hoc Reviewer, American Journal of Surgical Pathology
- Ad Hoc Reviewer, BioMed Central
- Ad Hoc Reviewer, Oncotarget

GRAND ROUNDS PRESENTATIONS AND INVITED LECTURES

1. 2023 USCAP Interactive Microscopy. Faculty

Thursday, March 28, 2024, 1:00PM - 2:30PM

Topic: Histiocytic and Dendritic Cell Neoplasms

2. Invited Lecture, 09/11/2022

Annual Diagnostic Course, the Chinese American Pathologists Association (CAPA)

Title: Updates on Non-Langerhans Cell Histiocytosis

3. Invited Lecture, 06/08/2022

Department of Pathology, VA Boston Healthcare System

Title: Aberrant expressions in lymphoma; a diagnostic pitfall

4. Invited Lecture, 05/24/2022

Department of Pathology, Albert Einstein College of Medicine

Title: Aberrant expressions in lymphoma; a diagnostic pitfall

5. Invited Lecture, 08/29/2020

The 3th Tianjin International Lymphoma Symposium

Title: Nodular Lymphocyte Predominant Hodgkin Lymphoma: Diagnosis and Differential Diagnosis

6. Invited Lecture, 10/25/2019

Department of Pathology, Peking University Health Science Center

Title: Aberrant Expression in Lymphomas: A Diagnostic Pitfall

7. Invited Lecture, 08/25/2018

The 4th Diagnostic Annual Meeting, Chinese American Pathologists Association (CAPA)

Title: *Aberrant Expression in B-cell Neoplasms*

8. Invited Lecture, 02/09/2018

Department of Pathology, Yale University

Title: B-Cell Neoplasms with Immunoblastic or Plasmablastic Morphology

9. Grand Rounds Presentation, 09/29/2017

Department of Pathology, Yale University

Title: Histiocytic and Dendritic Cell Neoplasms

10. Grand Rounds Presentation, 09/22/2017

Department of Pathology, University of Colorado Denver

Title: Erdheim-Chester Disease

11. Invited Lecture, 12/02/2016

Department of Pathology, Duke University

Title: B-Cell Neoplasms with Immunoblastic or Plasmablastic Morphology

12. Invited Lecture, 09/09/2016

Department of Pathology, Stanford University

Title: Histiocytic and Dendritic Cell Neoplasms

13. Invited Lecture, 04/29/2015

Department of Pathology, Shanghai Xinhua Hospital

Title: Histiocytic and Dendritic Cell Neoplasms

14. Grand Rounds Presentation, 02/13/2015

Department of Pathology, University of Colorado Denver

Title: *IgG4-Related Lymphadenopathy*

15. Invited Online Webcast, 12/11/14

American Society for Clinical Pathology

Title: IgG4-Related Lymphadenopathy: An Under-Diagnosed Clinicopathologic Entity

16. Invited Lectures, 09/12/14-09/14/14

Department of Pathology, the First Affiliated Hospital, Zhengzhou University, Henan, China

Title 1: Reactive Lymphoid Hyperplasia Mimicking Lymphoma

Title 2: Malignant Tumors in Lymph Nodes Mimicking Lymphomas

17. Invited Lectures, 09/12/14

Hematology/Oncology Section

The 3rd Affiliated Hospital of Peking University Health Science Center

Title 1: Lymphomatous infiltration in the Bone Marrow

Title 2: *Updates on Bone Marrow Neoplasms*

18. Invited Lecture, 09/11/14

Department of Pathology, Peking University Health Science Center

Title: Malignant Tumors in Lymph Node Closely Resembling Lymphomas

19. Invited Lecture, 02/28/14

Department of Pathology, City of Hope National Medical Center,

Title: IgG4-Related Lymphadenopathy: An Under-Diagnosed Clinicopathologic Entity

20. Invited Lectures, 11/23/2013

Department of Pathology, the First Affiliated Hospital, Zhengzhou University, Henan, China

Title 1: Unusual Subtypes of Large B-Cell Lymphoma

Title 2: Splenic Marginal Zone Lymphoma and Lymphoplasmacytic Lymphoma

21. Invited Lecture, 10/22/2012

Colorado Genetics Laboratory, Department of Pathology, University of Colorado Denver

Title: Virtual Karyotyping by SNP Array in Diagnostic and Experimental Pathology

22. Grand Rounds Presentation, 10/05/2012

Department of Pathology, University of Colorado Denver

Title: Virtual Karyotyping by SNP Array in Diagnostic and Experimental Pathology

ONLINE LECTURES

- Topic: Reactive Lymphadenopathy
 - o Organization: Chinese American Pathologists Association (CAPA)
 - o Date: September 23, 2018; Attendees: 348
- Topic: Normal Lymph Node A Key to the Key
 - o Organization: Chinese American Pathologists Association (CAPA)
 - o Date: September 16, 2019; Attendees: 359
- Topic: Normal Lymph Node A Key to the Key
 - o Organization: HuaXia Pathology
 - o Date: June 10, 2017; Attendees: 298
- Topic: Hematopathology Special Topic Histiocytic and Dendritic Cell Neoplasms
 - o Organization: Chinese American Pathologists Association (CAPA)
 - o Date: April 08, 2017; Attendees: 235
- Topic: B-Cell Neoplasms with Immunoblastic and/or Plasmablastic Morphology

- o Organization: HuaXia Pathology
- o Date: March 18, 2017; Attendees: 475
- Topic: Malignant Neoplasms Mimicking Lymphomas: A Wolf in Another Wolf's Fur
 - o Organization: Chinese American Pathologists Association (CAPA)
 - o Date: October 17, 2015; Attendees: 118
- Topic: *IgG4-Related Disease and IgG4-Related Lymphadenopathy*
 - o Organization: Chinese American Pathologists Association (CAPA)
 - o Date: July 19, 2015; Attendees: 65
- Topic: Histiocytic and Dendritic Cell Neoplasm 1
 - o Organization: HuaXia Pathology
 - o Date: March 22, 2014; Attendees: 217
- Topic: *Histiocytic and Dendritic Cell Neoplasm 2*
 - o Organization: HuaXia Pathology
 - o Date: March 29, 2014; Attendees: 204
- Topic: IgG4-Related Lymphadenopathy: Case Studies with Discussion
 - Organization: HuaXia Pathology
 - o Date: April 20, 2013; Attendees: 222
- Topic: Appendiceal Epithelial Neoplasms and Pseudomyxoma Peritonei
 - o Organization: HuaXia Pathology
 - o Date: December 17, 2011; Attendees: 272
- Topic: Virtual Karyotyping by SNP Array in Diagnostic and Experimental Pathology
 - Organization: HuaXia Pathology
 - o Date: October 30, 2010; Attendees: 115

TEACHING RECORD (University of Colorado School of Medicine, 01/2022 - Present)

Resident and Fellow Teaching

- Didactic Lectures
- Topics:
 - Normal lymph node, 1 session
 - o Reactive lymph node, 2 sessions
 - Lymphoma mimicries, 1 session
 - o Histiocytic and dendritic cell neoplasms, 1 session
 - o Introduction to bone marrow pathology, 1 session
 - o Non-neoplastic bone marrow pathology, 1 session

AP/CP Board Review Lectures for PGY4 Residents

- Number of residents: 5 7 PGY4 residents each year
- Topics: Hematopathology: Hematology (RBC, WBC, platelet, and coagulation), lymph node, and bone marrow. Totally 9 2-hour sessions

CHA/PA Student Teaching

- Introduction to White Blood Cells, 1 hour
- Introduction to Red Blood Cells and Cases, 2 hours
- Macrocytic, Hemolytic and Aplastic anemias, 2 hours
- Myeloproliferative Neoplasms, 1 hour

TEACHING RECORD (Yale University, 07/2018 - 05/2022)

CLASSROOM INSTRUCTIONAL ACITIVITIES

Resident and Fellow Teaching

- Tuesday Noon Hematopathology Lectures
- Monday Morning Lecture: Myelodysplastic Syndrome

• Monday Noon Slide Review Sessions

Medical School YSM1 Heme Course

- Plasma cell neoplasm
- Chronic lymphocytic leukemia
- Aplastic anemia and bone marrow failure syndromes

CURRICULUM INNOVATION AND TEACHING SCHOLARSHIP

AP/CP Board Review Lectures for PGY4 Residents

- Number of residents: 6 8 PGY4 residents each year
- Topics:
 - o Surgical pathology: Covers all organ systems. Totally 16 sessions
 - Hematopathology: Hematology (RBC, WBC, platelet, and coagulation), lymph node, and bone marrow. Totally 9 sessions

Thursday Unknown Conferences

• Designed the unknown conferences and coordinated the schedule and topics for internal and invited presenters

Monday Interesting Case Conferences

• Initiated and supervised the conference, which was driven by the fellows and residents to show interesting cases in their services.

TEACHING RECORD (University of Colorado Denver, 07/2012-07/2018)

CLASSROOM INSTRUCTIONAL ACITIVITIES

Medical School Lectures

- Lecture title: Blood and Lymph, Essentials Core IDPT 5003
- Topics: CBC, non-Hodgkin lymphoma, Hodgkin lymphoma, and plasma cell neoplasm
- Number of students: 160 185 medical students each year
- My contributions: 4-6 one-hour lectures and group discussion each year
- Dates: 2013 2017

Small Group Facilitator

- Lecture title: Multiple Essentials Core courses, IDPT 5004, 5005, 6002 and 6003
- Number of students: 15 medical students each group
- My contributions: 3 5 two-hour sessions each year
- Dates: 2012 2017

Lecturer, UCD School of Dentistry DDS Program

- Lecture title: Organ Pathology DSBS 5516
- My topics: CBC, non-Hodgkin lymphoma, Hodgkin lymphoma, and plasma cell neoplasm
- Number of students: ~30 dental students each year
- My contributions: One two-hour session each year
- Dates: 2012 2017

Lecturer, Graduate School Cancer Biology Program

- Lecture title: Pathobiology of Cancer CANB 7160
- Topics: Reactive lymph node, Hodgkin lymphoma, and non-Hodgkin lymphoma
- Number of students: 12 15 graduate students each year
- My contributions: One three-hour lecture each year
- Dates: 2012 2017

Lecturer, Clinical Laboratory Medicine Elective for MD Program

- Lecture title: PATH 8001
- Topics: CBC and case studies
- Number of students: 10 15 medical students each year
- My contributions: One two-hour lecture each year
- Dates: 2014 2017

CLINICAL TEACHING (Department of Pathology, University of Colorado Denver) Hematopathology Fellowship Training

- Attending Hematopathologist, 2012 2017
- Site Director of Hematopathology Training Program, 2014 2017

Anatomic and Clinical Pathology Residency Training

- Attending Surgical Pathologist and Hematopathologist, 2012 2017
- Associate Program Director of Pathology Residency Training, 06/2017 2017
- Director of Surgical Pathology Rotation for Residents, 2014 2017
- Member of Clinical Competency Committee for AP/CP Residency, 2014 2017

Didactic Program, Anatomic and Clinical Pathology Residency Training

- Monday Morning 8:00am CP Didactic Lectures, 2012 2017
 - o Red blood cell disorders: 4 one-hour lectures each year
 - o White blood cell disorders: 1 one-hour lecture each year
 - o Platelet disorders: 1 one-hour lecture each year
- Friday Morning 7:00am Conference, 2012 2017
 - o Surgical pathology unknowns conference (SPUC): 1 one-hour lecture per year

Hematopathology Didactic Lectures and Slide Review for Residents and Fellow

- Two Three Sessions A Week, 2012-2014
 - o Systemic PowerPoint lectures including lymph node and bone marrow pathology
 - o Corresponding slide review sessions after each lecture

TEACHING LEADERSHIP AND ADMINISTRATION

Associate Program Director, Pathology Residency Training

- Dates: June 2017 2017
- My contributions: Coordination of recruiting activities of residents by working together with program director and program coordinator, overseeing education of anatomic pathology training of residents, and development and revision of residency training curriculum on anatomic pathology

Site Program Director, Hematopathology Fellowship Training

- Dates: July 2014 2017
- My contributions: Coordination of recruiting activities, development of hematopathology fellowship training curriculum, and mentorship for hematopathology fellows in collaboration with other hematopathology faculty members

Director of Surgical Pathology Rotation for Residents

- Dates: July 2014 2017
- My contributions: Schedule of resident rotations, assistance in improvement of grossing and diagnostic skills of residents, and evaluation of resident performance

Member of Clinical Competency Committee for AP/CP Residency

- Dates: July 2014 2017
- My contributions: Assistance in development of evaluation forms, evaluation of resident milestones, and feedback to program director

CURRICULUM INNOVATION AND TEACHING SCHOLARSHIP

AP/CP Board Review Lectures for PGY4 Residents

- Objectives: Since I joined our pathology in 2012, I developed this lecture series for PGY4 pathology residents to further study pathology and prepare for AP/CP Board Exams
- Number of residents: 5 9 PGY4 residents each year
- Topics:
 - o Surgical pathology: Covers all organ systems. Totally 16 sessions
 - o Hematopathology: Hematology (RBC, WBC, platelet, and coagulation), lymph node, and bone marrow. Totally 9 sessions
 - Microbiology: Bacteriology, mycology, mycobacteriology, parasitology, virology and histology microbiology. Totally 5 sessions
 - Other topics: Introduction to AP/CP Board Exams, Calculation in Boards, and Syndromes. Totally 3 sessions
 - o Glass slide review sessions: April May with one or two sessions each week
- Dates and Time:
 - 2012 2017, November May, one to two sessions a week
 - o Tuesday and/or Thursday afternoon, 4:15pm − 6:00pm

Slide Review Sessions for Residents

- Objectives: Since I joined our program in 2012, I developed the slide review series for all residents to improve the diagnostic skills and medical knowledge in surgical pathology
- Number of residents: up to 12 residents each time
- Slides: Personal collection, department teaching slides, and PIP slides
- Dates and Time: 2012 2017, November May, Thursday morning, 7:00 am 8:00am

Hematopathology Lecture Notes for Residents and Fellows

- Description: I have spent 3 years to prepare the hematopathology PowerPoint lecture notes for residents and fellows in hematopathology rotation. I took most of the images by myself and organized the notes systemically with case presentations and detailed discussions
- Contents: Benign hematology, reactive and neoplastic lymph node pathology, and reactive and neoplastic bone marrow pathology. Totally 22 lectures

Hematopathology Didactic Lectures and Slide Review

- Objectives: During the first two years after I joined our program, I developed this hematopathology didactic lecture series for residents and hematopathology fellows to systemically study hematopathology. In addition, I went over my hematopathology slide collection with the residents and fellow after each PPT lecture.
- Dates and time: 2012 2014, 2 3 times a week

Personal Website for Pathology Education (www.enjoypath.com)

- Description: I started a personal website during the first year of my residency training (www.enjoypath.com). In this website, I have tried to present classic and interesting cases with gross images, microscopic images, and immunohistochemical pictures. A detailed discussion of clinicopathologic features and differential diagnosis has been linked to each case. The website has been well-recognized by many residents, fellows and practicing pathologists as a useful study tool
- Contents: Surgical pathology (531 cases), hematopathology (311 cases) and dermatopathology (120 cases) with gross images, microscopic images, special studies and discussion
- Dates: 02/2006 Present

Personal Collection of Pathology Cases

- Description: I have a well-organized personal collection of glass slides with more than 1600 classic, interesting or challenging cases. It is very useful for teaching and publication
- Contents: Approximately 1000 hematopathology cases and 600 surgical pathology cases

REGIONAL AND NATIONAL LEADERSHIP IN EDUCATION

Vice President, Colorado Society of Clinical Pathologists

- 01/2016-07/2018, I was acting as the vice president of Colorado Society of Clinical Pathologists (CSCP). Our major goals are to promote local commutations of pathologists and provide learning opportunities for residents, fellows, and practicing pathologists
- My contributions: 1). Help to organize the quarterly local pathology lecture and case presentation; 2). Assist the yearly "Star in the Mountain" pathology conference; and 3). Participate in making the important decisions and policies for CSCP with the CSCP president.

Ambassador, United States and Canadian Academy of Pathology (USCAP)

• My major role is to assist USCAP in the communication of pathologists and recruitment of pathologists-in-training into the largest pathology society in the world

Co-Chair, Online Education Program, Chinese American Pathologists Association (CAPA)

- I initiated and co-chaired this online education program, "Pathology Online Education Meetings (POEM)", with the sponsor of CAPA. We invited junior and senior pathologists to give systemic lectures to the residents, fellows and practicing pathologists online
- Contents: All organ systems of surgical pathology, hematopathology, and cytology; and special topics
- Registrants: 671 so far, including residents, fellows and practicing pathologists
- Dates and time: Sunday, 7:00pm –9:00pm, EST

MENTORING ACTIVITIES

• Since 2012, I have been actively involved in case studies and research projects with our residents and fellows. Please see my bibliography for the details. Brief summary:

<u>Trainee</u>	<u>Position</u>	Training Period	<u>Conference</u>
Victoria Vaughan	Resident	2017-2021	$CAP \times 1$
Emily O'donnell, MD	Resident	2017-2021	$CAP \times 2$
Sarah A. Donnell, MD	Resident	2016-2020	$CAP \times 2$
Olumide Odeyemi, MD	Resident	2016-2020	$CAP \times 1$
Theodore Schultheiss, MD	Resident	2015-2019	SH Meeting × 1
Kaleigh Lindholm, MD	Resident	2014-2018	$CAP \times 1$
Kathryn D. Matney, MD	Resident	2012-2016	SH Meeting × 1
Qin Chang, MD, PhD	HP Fellow	2015-2016	SH Meeting × 1
Damon Olson, MD	Resident	2012-2016	$USCAP \times 1$
Bryce Noll, MD	Resident	2012-2016	$ASCP \times 1$
Lian Zhang, MD, PhD	Resident	2012-2016	$ASCP \times 1$
Seth Lummus, MD	Resident	2012-2016	$ASCP \times 1$
Valerica Mateescu, MD	Resident	2011-2015	$USCAP \times 1$
Julie Rosser, DO	HP Fellow	2014-2015	SH Meeting × 2
Leila Langston, MD	Resident	2009-2013	$ASCP \times 1$
Liqun Yin, MD, PhD	Resident	2009-2013	$USCAP \times 1$

- MSMHA Capstone Project
 - o Program: Modern Human Anatomy Program
 - o Title: Virtual Histology Laboratory with an Interactive Tutorial Feature: Transitioning into the Future of Histology Education
 - o Student: Hollis Howery
 - o Mentor: Dr. Lisa MJ Lee
 - o My role: Exam committee member; grade presentation and review final report
- MSMHA Capstone Project
 - o Program: Modern Human Anatomy Program
 - Title: Correlation of Type II Diabetes Mellitus Glomerulopathy with Pancreatic Morphometry

Student: Lucine PapazianMentor: Dr. Lisa MJ Lee

o My role: Co-mentor; project design, data collection and analysis

CLINICAL TEACHING (Pathology Residents, University of Alabama at Birmingham)

- 08/2010 05/2011, Weekly
- Slide Review Sessions: PIP, CTTR, Resident teaching collection, and personal collection
- Lectures for AP/CP Board Preparation: Surgical pathology chapter by chapter, hematopathology (lymph node, RBC, WBC, bone marrow platelet, and coagulation), microbiology, and calculation in Boards

MEDICAL SCHOOL TEACHING (2006-2009, Creighton University Medical Center)

- Anatomy graduate students (39 students totally): Introduction to gross examination procedures and techniques
- Fourth year medical students (36 students totally): Daily guidance for a broad introduction to the practice of pathology, including gross examination, microscopic evaluation and diagnosis

MEDICAL SCHOOL TEACHING (1997-2000, Peking University Health Science Center)

- Medical student pathology lectures (350 students annually): Inflammation, pulmonary system, kidney, and cardiovascular system
- Medical student pathology small group (Two groups annually, totally 50 students): Basic pathology, gross examination, and microscopic diagnosis

BIBLIOGRAPHY

BOOK CHAPTERS

- 1. "Chapter 19: Histiocytic neoplasms". *Book Chapters: Practical Oncologic Molecular Pathology: Frequently Asked Questions.* Linsheng Zhang and Yi Ding. Springer Nature Switzerland; 2021
- 2. "Evaluation of Excised Lymph Nodes" and "Large B-Cell Lymphoma". *Practical Lymph Node and Bone Marrow Pathology*. Endi Wang, Anand Shreeram Lagoo. Springer Nature Switzerland; 2020
- 3. Quick Reference Handbook for Surgical Pathologists. 2nd ed. Natasha Rekhtman; 2019
- 4. **Zenggang Pan** and Jeffrey Schowinsky. "Hematolymphoid Pathology." *Pediatric Head and Neck* Pathology. Ed. R Greer. Cambridge University Press; 2017

PEER-REVIEWED ORIGNIAL/REVIEW ARTICLES

- Jui Choudhuri, Zenggang Pan, Ji Yuan, Mingyi Chen, Xiaojun Wu, Gang Zheng, Chen Zhao, Youzhong Yuan, Beamon Agarwal, John Liu, Maxwell Y Ma, Yanhua Wang, Yang Shi. CD138-Plasmablastic Lymphoma: A Multi-institutional Study and Review of the Literature. Arch Pathol Lab Med. 2023 Jun 1;147(6):643-654 (Original article)
- 2. Gang Zheng, Peng Li, Xiaohui Zhang, **Zenggang Pan**. The 5th edition of the World Health Organization Classification and the International Consensus Classification of myeloid neoplasms: evolving guidelines in the molecular era with practical implications. *Current Opinion in Hematology*. 2023 March 1;30(2):53-63(Review article. Corresponding author)
- 3. Yong Li, Zijun Y Xu-Monette, Jeremy S Abramson, Aliyah Sohani, Govind Bhagat, Alexandar Tzankov, Carlo Visco, Shanxiang Zhang, Karen Dybkaer, **Zenggang Pan**, Mina L Xu, Wayne Tam, Youli Zu, Eric D Hsi, Fredrick B Hagemeister, Heounjeong Go, J van Krieken, Jane N Winter, Maurilio Ponzoni, Andrés J M Ferreri, Michael Boe Møller, Miguel A Piris, Yingjun Wang, Mingzhi Zhang, Ken H H Young. EBV-positive DLBCL frequently harbors somatic mutations associated with clonal hematopoiesis of indeterminate potential. *Blood Advances*. 2023 Apr 11;7(7):1308-1311 (Original article)
- 4. Savanah D Gisriel, Ji Yuan, Ryan C Braunberger, Danielle L V Maracaja, Xueyan Chen, Xiaojun Wu, Jenna McCracken, Mingyi Chen, Yi Xie, Laura E Brown, Peng Li, Yi Zhou, Tarsheen Sethi, Austin

- McHenry, Ronald G Hauser, Nathan Paulson, Haiming Tang, Eric D Hsi, Endi Wang, Qian-Yun Zhang, Ken H Young, Mina L Xu, **Zenggang Pan**. Human herpesvirus 8-negative effusion-based large B-cell lymphoma: a distinct entity with unique clinicopathologic characteristics. *Modern Pathology*. 2022 October; 35(10):1411-1422 (Original article. Corresponding author)
- Jui Choudhuri, Zenggang Pan, Ji Yuan, Mingyi Chen, Xiaojun Wu, Gang Zheng, Chen Zhao, Youzhong Yuan, Beamon Agarwal, John Liu, Maxwell Y Ma, Yanhua Wang, Yang Shi. CD138-Plasmablastic Lymphoma. Archives of Pathology & Laboratory Medicine. 2022 September 26 (Online ahead of print) (Original article)
- 6. Nana P Matsumoto, Ji Yuan, Jun Wang, Qi Shen, Xueyan Chen, Young Kim, Craig W Zuppan, Chung-Che Chang, Wei Cui, Dong Chen, Min Shi, Savanah D Gisriel, Mingyi Chen, Mina L Xu, Zenggang Pan. Mast cell sarcoma: clinicopathologic and molecular analysis of 10 new cases and review of literature. *Modern Pathology*. 2022 July; 35(7):865-874. (Original article. Corresponding author)
- 7. Xin Liu, Yue Zhao, Catherine Luedke, Rachel Jug, Lian-He Yang, Mark Lu, **Zenggang Pan**, Dehua Wang, Robert Lorsbach, Yang Shi, Virginia Knez, Catherine Rehder, Xiayuan Liang, Endi Wang. Infantile leukemia-What factors determine its distinct biological nature? Clinicopathological study of 78 cases. *International Journal of Laboratory and Hematology*. 2021 Oct;43(5):1117-1122. (Original article)
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CONFERENCE PRESENTATIOINS FOR RESEARCH PROJECTS

- Ernest F Hidalgo Cedeno, Sharon Koorse Koorse Germans, Zenggang Pan, Olga K. Weinberg, Mina L. Xu. Utility of PAX5 in Lineage Assignment of Acute Leukemia. *The United States and Canadian Academy of Pathology's 113th Annual Meeting*. March 23-28, 2024. Baltimore, MD
- Savanah D. Gisriel, Xueyan Chen, MD, Xiaojun Wu, Jenna McCracken, Mingyi Chen, MD, Endi Wang, Zenggang Pan. Effusion-Based Plasmablastic Lymphoma: A Clinicopathologic Review and Comparison to Solid Plasmablastic Lymphoma. The United States and Canadian Academy of Pathology's 111th Annual Meeting. March 19 – 24, 2022. Los Angeles, CA
- Philippa Li, Giulia Biancon, Timil Patel, Zenggang Pan, Shalin Kothari, Stephanie Halene, Thomas Prebet, Mina L. Xu. Clinicopathologic and Comprehensive Molecular Analysis of Mast Cell Leukemia with Associated Hematologic Neoplasm. The United States and Canadian Academy of Pathology's 110th Annual Meeting, March 13 – March 18, 2021. Virtual

- 4. Philippa Li, Dhanpat Jain, **Zenggang Pan**. Characterization of Hepatic Sinusoidal Lymphocytosis. *The United States and Canadian Academy of Pathology's 110th Annual Meeting*, March 13 March 18, 2021. Virtual
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- 30. **Zenggang Pan**, William Grizzle, and Omar Hameed. Immunohistochemical Expression of Renal Markers in Matched Primary and Metastatic Renal Cell Carcinomas. The *United States and Canadian Academy of Pathology*'s 100th Annual Meeting, February 26 March 4, 2011. San Antonio, TX. (Poster)
- 31. **Zenggang Pan**, William J. Hunter, Caishu Deng. Postmortem Diagnosis of Hodgkin Lymphoma: An Issue Regarding to Needle Core Biopsy. *The United States and Canadian Academy of Pathology's 99th Annual Meeting*, March 20-26, 2010. Washington, DC (Poster)
- 32. **Zenggang Pan**, Poonam Sharma, Brian Loggie and Zoran Gatalica. Thymidylate Synthase Expression in Pseudomyxoma Peritonei Correlates with the Grade of Malignancy. *The United States and Canadian Academy of Pathology's 97th Annual Meeting*, March 1-7, 2008, Denver, CO. (Poster)
- 33. **Zenggang Pan**, Yulei Shen, Baosheng Ge, Cheng Du, Timothy McKeithan, Wing C. Chan. Study of GCET2 Indicates its Role as an Adaptor Protein in B Cell Signaling. *The 47th American Society of Hematology Meeting*. December 3-6, 2005. Atlanta, Georgia. (Poster)
- 34. **Zenggang Pan**, Yulei Shen, Baosheng Ge, Cheng Du, Timothy McKeithan, Wing C. Chan. GCET2, a New Adaptor Protein in B-Cell Signaling. *37th Annual Midwest student biomedical research forum*, Omaha, NE. 2006 (Poster)
- 35. Zenggang Pan, Yulei Shen, Cheng Du, Guimei Zhou, Andreas Rosenwald, Louis M. Staudt, Timothy C. Greiner, Timothy W. McKeithan and Wing C. Chan. Two Newly Characterized Germinal Center B-Cell Associated Genes, GCET1 and GCET2, with Differential Expressions in Normal Germinal Center B-Cells and Associated Lymphomas. 34th Annual Midwest student biomedical research forum, Omaha, NE. 2003 (Poster)
- 36. **Zenggang Pan**, Zifen Gao, Honghai Wang, Faith Ho. Comparative Studies of Nasopharyngeal B-Cell Lymphomas in Hong Kong and Beijing. Tai Yuan, Shan Xi, China. June, 1998. (Oral presentation)
- 37. 2001 Beijing International Lymphoma Symposium (Committee member of the meeting). Key speakers: Dr. Dennis D. Weisenburger, Dr. Wing C. Chan, and Dr. Bharat N. Nathwani. Beijing, China. August, 2001.
- 38. 1999 Beijing International Lymphoma Symposium (Committee member of the meeting). Key speakers: Dr. H. Konrad Müller-Hermelink and Dr. Alfred C. Feller. Beijing, China. June 1999.

CONFERENCE PRESENTATIONS FOR CASE STUDIES

- 1. Nicholas Collins, **Zenggang Pan**. A Case Report of Mast Cell Sarcoma with a KIT mutation and Concurrent Systemic Mastocytosis. *2023 Annual College of American Pathologists Meeting*. October 7 10, 2023. Chicago, IL. (Faculty Mentor)
- 2. Emily O'Donnell, Miriam Post, **Zenggang Pan**. Follicular Dendritic Cell Sarcoma of the Uterus. 2018 Annual College of American Pathologists Meeting. October 20 24, 2018. Chicago, IL. (Faculty Mentor)
- 3. Emily O'Donnell, **Zenggang Pan** Aberrant S100 Expression in a Cutaneous T-cell Lymphoma: Report of a Case and Review of the Literature. *2018 Annual College of American Pathologists Meeting*. October 20 24, 2018. Chicago, IL. (Faculty Mentor)
- 4. Victoria C. Vaughan, Lian Zhang, **Zenggang Pan**, Francisco G. La Rosa. Rosai-Dorfman Disease, A Rare Mimicker of Testicular Malignancy, Associated with Marginal Zone Lymphoma. *2018 Annual College of American Pathologists Meeting*. October 20 24, 2018. Chicago, IL.
- 5. Theodore Schultheiss, **Zenggang Pan**. An unusual case of chronic neutrophilic leukemia with an underlying plasma cell neoplasm. 2017 Workshop of the Society for Hematopathology/European Association for Hematopathology. September 07-09, 2017. Chicago, IL (Faculty Mentor)
- 6. **Zenggang Pan.** A unique case of follicular lymphoma. 2017 Workshop of the Society for Hematopathology/European Association for Hematopathology. September 07-09, 2017. Chicago, IL
- 7. Sarah A. Donnell, **Zenggang Pan**. An Unusual Diffuse Large B-Cell Lymphoma of the Ovary Closely Resembling Inflammatory Myofibroblastic Tumor Histologically. *2017 Annual College of American Pathologists Meeting*. October 08 11, 2017. National Harbor, Maryland (Faculty Mentor)
- 8. Sarah A. Donnell, **Zenggang Pan**. Hematological Malignancy-Related Autopsies: A Single Institution's Experience. *2017 Annual College of American Pathologists Meeting*. October 08 11, 2017. National Harbor, Maryland (Faculty Mentor)

- 9. Olumide Odeyemi, **Zenggang Pan**. Chagas Disease Initially Diagnosed in a Lymph Node: A Clue to Save a Transplanted Heart. 2017 Annual College of American Pathologists Meeting. October 08 11, 2017. National Harbor, Maryland (Faculty Mentor)
- 10. Kaleigh Lindholm, **Zenggang Pan**. Inflammatory pseudotumor-like follicular dendritic cell tumor: A short case series. 2017 Annual College of American Pathologists Meeting. October 08 11, 2017. National Harbor, Maryland (Faculty Mentor)
- 11. Kathryn Matney, **Zenggang Pan**. Clonal Myeloproliferative Disorder with Prominent Histiocytic Differentiation. 18th Meeting of the European Association for Hematopathology (EAHP2016). September 03-08, 2016; Basel, Switzerland. (Faculty Mentor)
- 12. Qin Chang, **Zenggang Pan**. A B-cell neoplasm with mixed large B-cell lymphoma and classic Hodgkin lymphoma components. *18th Meeting of the European Association for Hematopathology (EAHP2016)*. September 03-08, 2016; Basel, Switzerland. (Faculty Mentor)
- 13. Qin Chang, **Zenggang Pan**. Peripheral follicular T-cell lymphoma with classic Hodgkin lymphoma-like cells. *Colorado Society of Clinical Pathology Meeting*. May 11, 2016 (Faculty Mentor)
- 14. Fowler J. John, **Zenggang Pan**, Joshua Wisell. A primary cutaneous CD30-positive T-cell lymphoproliferative disorder showing co-expression of multiple B-cell lineage-specific markers statuspost radiation therapy. *The 52rd Annual American Society of Dermatopathology Meeting*. October 8 11, 2015; San Francisco, CA. (Oral Presentation)
- 15. Julie Rosser, **Zenggang Pan**. EBV-associated transformation of mantle cell lymphoma with loss of cyclin D1 expression: A Case Study. 2015 *Annual Society of Hematopathology Meeting*. October 29-31, 2015; Long Beach, CA. (Faculty Mentor)
- 16. Julie Rosser, **Zenggang Pan**. IgG4-Related Lymphadenopathy and Pancreatitis: A Case Study. 2015 *Annual Society of Hematopathology Meeting*. October 29-31, 2015; Long Beach, CA. (Faculty Mentor)
- 17. **Zenggang Pan**. Late-Onset Monomorphic Post-Transplant Lymphoproliferative Disorder Presenting as Clonally Related Diffuse Large B-Cell Lymphoma and Plasmacytoma with Aberrant CD3 Expression. 2015 *Annual Society of Hematopathology Meeting*. October 29-31, 2015; Long Beach, CA
- 18. Bryce Noll, **Zenggang Pan**, and Carlyne Cool. Pleural-Pulmonary Myeloid Sarcoma with Monocytic Differentiation, a Rare Entity. Bryce Noll. 2014 *Annual American Society for Clinical Pathology (ASCP) Meeting*. October 08 10, 2014; Tampa, FL (Poster)
- 19. **Zenggang Pan**. A case of paraimmunoblastic/prolymphocytic lymphoma presenting with massive splenomegaly. 2014 *Annual Society of Hematopathology Meeting*. October 17-22, 2014; Istanbul, Turkey
- 20. Leila Langston, Zenggang Pan. An unusual case of splenic diffuse large B-cell lymphoma with abundant multinucleated giant tumor cells in a patient with increased serum chromogranin: a diagnostic pitfall. 2013 Annual American Society for Clinical Pathology (ASCP) Meeting. September 18 21, 2013; Chicago, Illinois (Faculty Mentor)
- 21. Kathryn D. Matney, Lynne Meltesen, Karen Swisshelm, **Zenggang Pan**. Clonal Myeloproliferative Disorder with Prominent Histiocytic Differentiation: A Novel Case Report. 2013 *Annual College of American Pathologists Meeting. Archives of Pathology & Laboratory Medicine*: October 2013, 137(10): 1343-1526 (Faculty Mentor)
- 22. Lian Zhang, Zenggang Pan. Megaloblastic Anemia with Unusual Presentations Closely Mimicking Microangiopathic Hemolytic Anemia: A Case Report with Emphasis on the Differential Diagnosis. 2013 Annual College of American Pathologists Meeting. Archives of Pathology & Laboratory Medicine: October 2013, 137(10): 1343-1526 (Faculty Mentor)
- 23. Seth Lummus, **Zenggang Pan**. Acute Myeloid Leukemia with a Diagnostic Dilemma of Extensive Bone Marrow Necrosis and Abundant Charcot-Leyden Crystals: Report of a Case with Review of the Literature. 2013 *Annual College of American Pathologists Meeting. Archives of Pathology & Laboratory Medicine*: October 2013, 137(10): 1343-1526 (Faculty Mentor)