

University of California, San Francisco
CURRICULUM VITAE

Name: Chuanyi Mark Lu, MD

Position: Professor & Vice Chair
Laboratory Medicine
School of Medicine

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EDUCATION

1983 - 1991	Tongji Medical University	MD, MSc	Medicine
1991 - 1994	Peking (Beijing) University Health Science Center	Lecturer & Staff Scientist	Pathophysiology
1994 - 1998	UC San Diego School of Medicine	Postdoctoral Fellow	Molecular and Cellular Biology
1998 - 2002	UC San Diego Hospitals	Resident	Pathology (Anatomic & Clinical)
2002 - 2003	Harvard Medical School/BIDMC	Clinical Fellow	Hematology & Hematopathology
2005 - 2006	UC San Francisco School of Medicine	Teaching Scholar	Teaching Scholars Program (TSP)

LICENSES, CERTIFICATION

1996	ECFMG Certificate, Educational Commission Foreign Medical Graduates (#0-552-787-4)
2000	Physician and Surgeon License, Medical Board of California (#A73318)
2002	Board Certificate: Clinical Pathology, American Board of Pathology (#02-373)
2003	Board Certificate: Hematology, American Board of Pathology (#S-03-175)
2015	MRO Certificate: Medical Review Officer Certification Council (MROCC) (#15-11396)

PRINCIPAL POSITIONS HELD

2003 - 2008	University of California, San Francisco, School of Medicine	Assistant Professor	Laboratory Medicine
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2003 - 2021	VA Health Care System, San Francisco	Chief, Hematology	Lab Medicine Service
2008 - 2013	University of California, San Francisco, School of Medicine	Associate Professor	Laboratory Medicine
2013 - 2016	University of California, San Francisco, School of Medicine	Professor	Laboratory Medicine
2016 - present	University of California, San Francisco, School of Medicine	Clinical Professor	Laboratory Medicine
2017 - present	VA Health Care System, San Francisco	Chief & CLIA Lab Director	Lab Medicine Service
2017 - present	University of California, San Francisco, School of Medicine	Vice Chair	Laboratory Medicine
2019 - present	San Francisco VA Health Care System	Director, Diagnostic Service Line	

OTHER POSITIONS HELD CONCURRENTLY

2003 - present	VA Health Care System, San Francisco	Staff Physician (Attending)	Lab Medicine
2004 - 2017	UC San Francisco and VA Medical Center	Site Director, Laboratory Medicine Residency Program	Lab Medicine
2022 - present	UC San Francisco and VA Medical Center	Site Director, Laboratory Medicine Residency Program	Lab Medicine
2003 - 2017	UCSF Medical Center	Attending (Hematopathology)	Lab Medicine
2009 - present	VA Health Care System, San Francisco	Director, Clinical Lab Scientist (CLS) Training Program	Lab Medicine
2011 - present	VA Health Care System, San Francisco	Director, Molecular Microbiology Core	Lab Medicine
2015 - 2019	VA Health Care System, San Francisco	Medical Review Officer (MRO)	
2017 - present	VA Health Care System, San Francisco	Director (Section Chief), Clinical Chemistry	Lab Medicine
2015 - present	San Francisco State University	Faculty	SFSU Biology
2016 - 2019	University of California Berkeley	Faculty	UCB Extension

2017 - present University of San Francisco Faculty USF Biology

HONORS AND AWARDS

1995	Trainee Investigator Award	Am Society of Clinical Research / Am Federation for Medical Research
1998	Specialty Research Award	Am Federation for Medical Research
2000	National Research Service Award (NRSA)	National Institutes of Health (NIH)
2001	National Research Service Award (NRSA)	National Institutes of Health (NIH)
2001	Paul E. Strandjord Young Investigator Award	Academy of Clinical Laboratory Physicians and Scientists (ACLPS)
2004	Faculty Teaching Award	UCSF - Department of Laboratory Medicine
2005	Teaching Scholar	TSP (Teaching Scholar Program), UCSF School of Medicine
2009	Editorial Board Member (representing Am Society of Hematology- ASH), appointed by ASH Presidents (2009-2021)	Lab Tests Online (http://labtestsonline.org)
2017	Visiting Professor, International Cooperative Leukemia Group and International Cooperative Laboratory of Hematology	Southeast University Medical School, China
2019	Outstanding Contributions to Clinical Chemistry in Education (Award)	AACC (Am Association for Clinical Chemistry) Northern California Section
2021	Federal Employee of The Year Awards: Science & Technology- COVID-19 Testing	Federal Executive Board, San Francisco Bay Area

KEYWORDS/AREAS OF INTEREST

Clinical pathology (laboratory medicine), hematology, coagulation (bleeding and thrombosis), hematopathology (including flow cytometry, cytogenetics, molecular diagnostics, sequencing, genomics), clinical chemistry, laboratory automation, molecular virology, translational research, assay development, medical education.

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

2003 - present Academy of Laboratory Physicians and Scientists (ACLPS)

- 2003 - present College of American Pathologists (CAP)
- 2004 - present American Society of Hematology (ASH)
- 2004 - present American Society of Clinical Pathology (ASCP)
- 2008 - present American Association for Clinical Chemistry (AACC)
- 2017 - present Society of Hematopathology (SH)

SERVICE TO PROFESSIONAL ORGANIZATIONS

- 2004 - present Residents In-Service Exam Committee, Academy of Laboratory Physicians and Scientists (ACLPS) RISE Contributor
- 2003 - present College of American Pathologists (CAP) Inspector & Inspection Team Leader; Member of the CAP Market Research Panels.
- 2009 - 2021 Am Society of Hematology (ASH) & Am Association for Clinical Chemistry (AACC) Editorial Board Member for the Lab Tests Online (<http://www.labtestsonline.org/>)

SERVICE TO PROFESSIONAL PUBLICATIONS

- 2005 - present Clinica Chimica Acta, Reviewer
- 2009 - present ASCP Case Reports (formerly ASCP Check Sample), Reviewer
- 2009 - 2021 Lab Tests Online (AACC), Editorial Board Member, representing ASH (appointed by the ASH Presidents)
- 2012 - present Clinical Chemistry, Reviewer
- 2015 - present Pathology- Research and Practice, Reviewer
- 2018 - present Cancer Genetics, Reviewer
- 2019 - present American Journal of Hematology, Reviewer
- 2020 - present Hematological Oncology, Reviewer
- 2020 - present The Lancet Respiratory Medicine, Reviewer
- 2021 - present Journal of Clinical Medicine, Reviewer
- 2020 - present Plos One, Reviewer
- 2020 - present Case reports in Hematology, Reviewer
- 2020 - present Clinical Lymphoma, Myeloma and Leukemia, Reviewer
- 2021 - present Acta Haematologica, Reviewer
- 2021 - present Frontiers in Cellular and Infection Microbiology, Reviewer

INVITED PRESENTATIONS - INTERNATIONAL

- 2007 Advances in Chronic Myeloproliferative Disorders (invited talk). Tongji Medical College, Huazhong University of Science & Technology, Wuhan, China
- 2010 An Introduction of US Healthcare Systems and Healthcare Reform (invited talk). Shanghai Jiaotong University, Shanghai, China
- 2012 Pharmacogenetic Testing and Targeted Cancer Therapy (invited talks, sponsored by the Ministry of Education of China), at Harbin Medical University (Harbin), Yunnan University (Kunming), and Chinese Academy of Medical Sciences- Hematology Institute (Tianjin), September 10-19, China
- 2013 Practical Issues and Pitfalls in Diagnosing Eosinophilic Myeloid Disorders (Invited Plenary Lecture). The 10th National Congress on Diagnostic Hematology and The 2013 Summit Forum on Hematologic Disorders, Chinese Society of Hematology, April 26-28, Shanghai, China
- 2013 Pharmacogenetic Testing and Targeted Cancer Treatment (invited talk), Institute of Life Sciences, Southeast University, October 29, Nanjing, China
- 2013 Eosinophilic Myeloid Disorders: An Update on Diagnosis and Classification (invited talk). Department of Hematology, Xiangya Medical College, Central South University, November 1, Changsha, China
- 2015 The Use of Freelite Assays in Uncommon Plasma Cell Neoplasms. The Seventh International Symposium on Clinical Applications of Free Light Chain and Heavy/Light Chain Analysis, April 16-17, Edinburgh, United Kingdom
- 2015 Molecular Genetic Testing in the Diagnosis and Management of Acute and Chronic Myeloid Malignancies. The 2nd International Molecular Pathology Symposium: Cancer Genetics and Diagnostics. Huazhong University of Science and Technology, September 18-20, Wuhan, China
- 2016 Myeloid Neoplasms Following Solid Organ Transplantation: Clinicopathologic Studies of 22 Cases. European Association for Hematopathology (EAHP) annual meeting, September 3-6, Basel, Switzerland
- 2017 Advances in Benign and Malignant Hematological and Lymphoid Disorders (30hr CME Course), Southeastern University, May 10-19, Nanjing, China

- 2017 2017 Update on Eosinophilic Myeloid Disorders. Tongji Medical College, Huazhong University of Science and Technology, May 21, Wuhan, China
- 2018 Eosinophilic Neoplasms: When to Consider Stem Cell Transplantation? The 3rd Sino-US International Symposium of HSCT and Cancer Immunology. June 1-3, Chongqing, China
- 2018 2018 Update on Primary Eosinophilic Neoplasms. Northwest Hospital, Xi'an Jiaotong University School of Medicine. June 8, Xi'an, China
- 2018 Hypereosinophilia: 2018 Update. Institute of Hematology, Soochow University College of Medicine. September 25, Suzhou, China
- 2018 Hypereosinophilia: 2018 Update. University Hospital, Henan University of Science & Technology. September 28, Luoyang, China
- 2019 Eosinophilic myeloid neoplasm (2019 Update). University Hospital, Dalian Medical University, September 24, Dalian, China
- 2022 Frontiers in Hematolymphoid Malignancies (32hr online CME Course, via Zoom), Southeast University (Institute of Hematology, University Hospital), May 7-June 12, Nanjing, China

INVITED PRESENTATIONS - NATIONAL

- 2001 PTHrP and PTH Immunoassays. Annual Meeting, Academy of Clinical Laboratory Physicians and Scientists (ACLPS), Seattle, WA
- 2009 PNH Diagnostics Advisory Board Meeting. New York, NY
- 2011 PNH Diagnostics Advisory Board Meeting. Miami, FL
- 2016 The Challenges of Precision Medicine and New Advances in Molecular Diagnostic Testing in Hematolymphoid Malignancies- Recommendations for Veterans Healthcare Administration. CAP'16 (College of Am Pathologists), September 25-28, Las Vegas, NV

- 2022 Human Hematopoietic Stem Cells: Developmental Basics, Function, Pathology and Treatment. San Francisco State University - CIRM Stem Cell Training Program, Invited Guest Lecture (via Zoom), September 30, 2022
- 2023 Molecular Laboratory Crossroads - Post COVID-19 Pandemic: Innovate or Else? 2023 AACC (ADLM) Scientific Meeting and Expo, Anaheim, CA, July 26, 2023
- 2023 Clinical Diagnostics of Lymphomas and Myeloma. LTZ Therapeutics, Redwood City, CA, August 18, 2023

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

- 1997 Pulmonary hypertension: From Bench to Bedside, UC San Diego Medical Center, San Diego
- 2001 A Mass Spectrometry Based Immunoassay for PTHrP, University of Washington Medical Center, Seattle
- 2003 Tumor Specific forms of PTHrP: Assay development and identification, VA Medical Center & UCSF, San Francisco, CA

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

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|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 2003 - present | Department of Veterans Affairs Medical Center | Staff Physician |
| 2015 - present | Hematopathology Molecular Genomics Committee, VHA National (Department of Veterans Affairs) | Member |
| 2015 - 2019 | VA Health Care System, San Francisco | Medical Review Officer (MRO) |
| 2014 - present | Ad Hoc Expert Review Panel, Chinese Government Award for Outstanding Self-financed Graduate Students Abroad & Chinese Government Scholarship for Foreign Graduate Students in China | Panel member for Life Sciences |
| 2015 - 2020 | Overseas Expert Review Panel for the Chang Jiang Scholar (Full Professor) Recruitment Program, Ministry of Education (MOE), China | Panel member for Hematology, Lab Medicine, and Pathophysiology |

UNIVERSITY AND PUBLIC SERVICE

UCSF CAMPUSWIDE

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|----------------|-------------------------------------------------------------------------|------------------------|
| 2003 - present | Quality Management Committee, Lab Medicine Service, VAHCS San Francisco | Member (Service Chief) |
| 2004 - present | Transfusion Committee, VAHCS San Francisco | Member |

2007 - present	Anticoagulation Therapy Committee, VAHCS San Francisco	Member
2010 - 2010	Hospital Panel for Urine Toxicology Screen Guide, VAMC	Consultant
2011 - 2011	Hospital Panel for 25(OH) Vitamin D Test Order Guide, VAMC	Leader
2015 - 2019	Medical Review Officer (MRO), VAHCS San Francisco	the MRO
2017 - present	Medical Executive Committee (MEC), VAHCS San Francisco	Member
2017 - present	Professional Standards Board (PSB), VAHCS San Francisco	Member

SCHOOL OF MEDICINE

2012 - 2018	Admissions Committee, School of Medicine	Faculty Member
2019 - present	Faculty Mentoring Program	Facilitator, Lab Medicine Dept.

DEPARTMENTAL SERVICE

2004 - 2017	Lab Medicine Residency Education Committee	Member and Site Director
2004 - 2017	UCSF Hematopathology Fellowship Committee	Member
2007 - 2012	UCSF Clinical Chemistry Fellowship Committee	Member
2005 - 2005	Faculty Search Committee (SFGH Clinical Chemistry Chief)	Member
2007 - 2021	Appointment, Promotion & Merit (APM) Committee, Dept. of Lab Medicine	Member
2010 - 2010	Faculty Search Committee (VAMC Neuropathologist)	Member
2012 - present	Clinical Competence Committee, Dept. of Lab Medicine	Member
2015 - 2015	Advisory Committee on Compensation, Dept. of Lab Medicine	Member
2017 - present	UCSF Faculty Mentoring Program	Coordinator/Facilitator, Dept. Lab Medicine
2018 - 2019	UCSF School of Medicine Diversity Leadership Group	Department Representative
2019 - present	UCSF Pathology and Lab Medicine Diversity, Equity and Inclusion (DEI) Committee	Founding Member
2022 - present	Lab Medicine Residency Program	Site Director

COMMUNITY AND PUBLIC SERVICE

2009 - 2021	http://labtestsonline.org (a public resource on diagnostic lab testing, over 4 million visits each month)	Editorial Board Member
2005 - 2019	Tongji Medical College Overseas Alumni Association (TMC OAA)	Executive Board Member, President (2005), Vice President (2012)
2021 - present	https://www.testing.com (a public resource on diagnostic laboratory testing)	Medical Review Board Member

CONTRIBUTIONS TO DIVERSITY

CONTRIBUTIONS TO DIVERSITY Contributions to Diversity, Equity & Inclusion Guidance

2018-2019: As the department Vice Chair, I was the designated leader for Diversity in the Department of Lab Medicine. I helped the Chair in creating a culture of diversity and inclusion and in recruiting underrepresented in medicine (UIM) candidates for resident/fellow and faculty positions. I prepared and helped finalizing the annual department Diversity Report to SOM Leadership.

2019-present: I facilitated the formation of joint Pathology and Lab Medicine DEI Committee. I am one of the six committee members (DEI Committee founding member), representing Department of Lab Medicine

TEACHING AND MENTORING

TEACHING SUMMARY

Clinical teaching, i.e., laboratory hematology, coagulation and hematopathology for Clinical Pathology residents and fellows, Hematology/Oncology residents and fellows, and CLS students.

Medical school teaching, i.e., medical students ABC-Hematology block.

Directorships: Site Director, UCSF Clinical Pathology Residency Program; Director, SFVA/SFSU Clinical Lab Scientist (CLS) Training Program.

Teaching faculty: UC Berkeley, San Francisco State University, University of San Francisco, and Southeast University (China).

Mentoring Coordinator for junior faculty (assistant professors), UCSF Department of Lab Medicine

RESEARCH AND CREATIVE ACTIVITIES

1. Books:

POCKET GUIDE TO DIAGNOSTIC TESTS (PGDT), 5th Edition, McGraw-Hill, ISBN 978-0-07-148968-3 (2008)

POCKET GUIDE TO DIAGNOSTIC TESTS (PGDT), 6th Edition, McGraw-Hill, ISBN 978-0-07-176625-8 (2012).

Guide to DIAGNOSTIC TESTS (formerly known as Pocket Guide to Diagnostic Tests), McGraw-Hill, ISBN-13: 978-1259640896, ISBN-10: 1259640892 (2017).

2. Book Chapter in the **Fourth Edition of TIETZ CLINICAL GUIDE TO LABORATORY TESTS, Saunders/Elsevier, ISBN 978-0-7216-7975-7**, edited by Alan HB Wu, published in late 2006.
3. Book Chapter in the Fourth Edition of **SELF-ASSESSMENT IN CLINICAL LABORATORY SCIENCE II (ISBN 978-1-59425-087-3)**. Published by AACC Press in 2008.
4. Book Chapter in the Fifth Edition of **SELF-ASSESSMENT IN CLINICAL LABORATORY SCIENCE III (ISBN 978-0-12-822093)**. Published by AACC Press in 2021.
5. Book Chapters in the **Current Medical Diagnosis and Treatment (CMDT) (2010-2024)**, which was published by McGraw-Hill LANGE and updated annually. (1) Print Book Chapter 42: Genetics and Genomic Disorders - Selected Pharmacogenetic Tests: Clinical Relevance; (2) Online e-Chapter 2: Diagnostic Testing and Medical Decision Making; (3) Online e-Chapter 6: Appendix: Therapeutic drug monitoring, Laboratory Reference Intervals, and Commonly Used Blood Specimen Collection Tubes.
6. Book Chapter in **Practical Lymph Node and Bone Marrow Pathology**, ISBN 978-3-030-32188-8, published in March 2020. Chapter 26 "Plasma Cell Neoplasms (Including Plasma Cell Myeloma)" (pp. 595-614).
7. Book Chapter in **Choosing Wisely: Laboratory Tests for Hematologic Neoplasms**. People's Health Publishing Inc. Myeloproliferative Neoplasms. Published in Sep 2020.

PEER REVIEWED PUBLICATIONS

1. Lu C, Jin XR. Calcium overload in myocardial ischemia and reperfusion injury. *J Clin Pathophysiol (Guo Wai Yi Yue)*, 1990; 10(4):185-187. (Review)
2. Lu C, Wang DX. Effects of dietary magnesium on pulmonary vascular reactivity and chronic hypoxic pulmonary hypertension. *J Tongji Med Univ*, 1991;11(1): 1-5.
3. Lu C, Wang DX. Effects of dietary oils on pulmonary vascular reactivity and chronic hypoxic pulmonary hypertension. *J Tongji Med Univ*, 1992;12(2): 124-128.
4. Lu C, Wang DX, Yu SB. Effects of acute ingestion of alcohol on pulmonary hypertension: Role of leukotrienes and prostaglandins. 1992; *J Tongji Med Univ*, 12(4): 253-256.
5. Lu C, Wang DX, Yu SB. Different effects of green tea and red tea on pulmonary vascular reactivity and chronic pulmonary hypertension. *Chin J Appl Physiol*. 1992; 8: 480-494.
6. Lu C, Wang DX, Yu S. Effect of alcohol ingestion on acute hypoxic pulmonary vasoconstriction in dogs - role of leukotrienes. *Chin J Appl Physiol*, 1992; 8(3): 205-208.
7. Lu C, Wang DX. Dietary oils and experimental pulmonary hypertension. *Chin J Pathophysiol*, 1992; 8(3):234-237.
8. Lu C, Tang CS. Cardionatin and pulmonary hypertension: Pathophysiology and clinical application. *Progress in Physiological Sciences* 1993; 24: 272-275. (Review)
9. Lu C, Tang CS. Interleukin-8 and inflammation: Pathophysiology and implication in cardiovascular disorders. *Progress in Physiological Sciences* 1993; 24: 351-354. (Review)

10. Lu C, Su J, Tang C, Zhou B, Ma D. Protective role of recombinant interleukin-8 on tourniquet shock in rats. *J Beijing Med Univ* 1993; 25(5): 337.
11. Yang YD, Lu C, Wang GC, Zhou AR, Tang J, Gu JR. Expression, isolation and bioactivity recovery of recombinant human VEGF from the prokaryotic expression products in *E. coli*. *High Technology Letters* 1994; 4(3): 28-31.
12. Tian Q, Yang Q, Lu CY. A novel hypotensive polypeptide- adrenomedullin. *Sheng Li Ke Xue Jin Zhan (Progress in Physiological Sciences)* 1995; 26:149-151. (Review)
13. Yang Y, Wang G, Lu C, Yang H, Zhu X, Zhou A, Tang J, Ma D. Purification and bioactivity recovery of recombinant human vascular endothelial growth factor from the prokaryotic expression products in *E. coli*. *J Beijing Med Univ* 1994; 26 (suppl.): 89-92.
14. Wang LZ, Lu CY, Su JY, Zhou BH, Ma DL. Therapeutic effect of recombinant IL-8 on experimental shock and its underlying mechanisms. *Clin J Pathophysiol* 1995;11(2):131-134.
15. Lu C, Giordano FJ, Rogers KC, Rothman A. Adenovirus-mediated increase of exogenous and inhibition of endogenous fosB expression in pulmonary arterial smooth muscle cells. *J Mol Cell Cardiol.* 28: 1703-1713, 1996.
16. Wang LZ, Su JY, Lu C, Zhou BH, Ma DL. Effects of recombinant human endothelial-derived interleukin-8 on hemorrhagic shock. *Acta Pharmacologica Sinica*, 18: 434-437, 1997.
17. Lu C, Giordano FJ, Bao X, Morris KC, Rothman A. Antisense fosB RNA inhibits thrombin-induced hypertrophy in cultured pulmonary arterial smooth muscle cells. *Circulation*, 98: 596-603, 1998.
18. Bao X, Lu C, Frangos JA. Temporal gradient in shear but not steady shear stress induces PDGF-A and MCP-1 expression in endothelial cells: Role of NO, NFkB, and egr-1. *Arterioscler Thromb Vasc Biol*, 19: 996-1003, 1999.
19. Bao X, Lu C, Frangos JA. Mechanism of temporal gradients in shear induced ERK1/2 activation and proliferation in endothelial cells. *Am J Physiol*, 281: H22-H29, 2001.
20. Lu CM, Burton DW, Fitzgerald RL, Deftos LJ, Buchholz BA, Vogel JS, Herold DA. Mass spectrometric immunoassay for parathyroid hormone-related protein. *Analytical Chemistry*, 74: 5507-5512, 2002.
21. Sproat LO, Pantanowitz L, Lu CM, Dezube BJ. HIV-associated hemophagocytosis with iron deficiency anemia and massive splenomegaly. *Clin Infect Dis*, 37: e170-e173, 2003.
22. Lu CM, Dezube B, Pantanowitz L. Human immunodeficiency virus infection masquerading as monoclonal gammopathy of undetermined significance. *N Engl J Med*, 349: 1192-1193, 2003.
23. Aslam A, Misbah SA, Pantanowitz L, Lu CM, Dezube BJ. Human immunodeficiency virus infection masquerading as monoclonal gammopathy of undetermined significance. *N Engl J Med*, 349: 2362-2363, 2003.
24. Lu CM. DDK1 in multiple myeloma. *N Engl J Med*, 350: 1464-1466, 2004.
25. Ezzell J, Lu CM, Browne LW, Wang E. Erythrophagocytosis by dysplastic neutrophils in chronic myelomonocytic leukemia and subsequent transformation to acute myeloid leukemia. *Am J Hematol*, 79: 340-342, 2005.

26. Swain R, Miller S, Lu C. Cervicofacial actinomycosis. *ASCP CheckSample Microbiology*, MB05-5 (MB05-330): 2005.
27. Lu CM, Murata-Collins JL, Wang E, Siddiqi I, Lawrence HJ. Concurrent Acute Myeloid Leukemia with inv(16)(p13q22)/CBF β -MYH11/Secondary Trisomy 22 and Chronic Lymphocytic Leukemia: Molecular Evidence of Two Separate Diseases. *Am J Hematol*, 81: 963-968, 2006.
28. Lu CM, Wang E, Lawrence HJ. Simultaneous presence of major secondary chromosomal abnormalities in blast crisis of chronic myeloid leukemia. *Cancer Genet Cytogenet*, 172: 174-175, 2007.
29. Lu CM, Wang E. Acute megakaryoblastic leukemia: clinical and pathologic features. *ASCP CheckSample Hematology*, 42 (2):H07-2 (H-309), 2007.
30. Jalas J, Wang E, Lu CM. T-cell large granular lymphocyte leukemia and associated pure red cell aplasia. *ASCP Check Sample Hematology*, 42(4):H07-4 (H-311), 2007.
31. Lu CM, Wang E. Juvenile myelomonocytic leukemia. *ASCP Check Sample, Hematology* 43(6):H08-6 (H-321), Aug 2008.
32. Wang E, Lu CM. Refractory cytopenia with multilineage dysplasia and ringed sideroblasts. *ASCP Check Sample Hematology* 43(8):H08-8 (H-323), Oct 2008.
33. Jalas J, Wang E, Lu CM. Lymphoplasmacytic lymphoma/Waldenstrom's macroglobulinemia. *ASCP Check Sample, Hematology*, 44(1):H09-1 (H-324), Jan 2009.
34. Bao X, Lu CM, Liu F, Gu Y, Dalton N, Zhu BQ, Foster E, Chen J, Karliner JS, Ross J, Simpson PC, Ziegler MG. Epinephrine is required for normal cardiovascular responses to stress in the phenylethanolamine N-methyltransferase knockout mice. *Circulation*, 116:1024-1031, 2007
35. Pandey S, Herold DA, Lu CM. Measurement of Microalbuminuria Using the Caliper P200 Protein Chip. *Am J Clin Path*, 129(3):432-438, 2008.
36. Bao X, Liu F, Gu Y, Sun P, Lu CM, Ziegler M. Impaired chronotropic response to exercise in mice lacking catecholamines in adrenergic cells. *Ann NY Acad Sci*. 2008 Dec; 1148:297-301. [PMID: 19120121]
37. Hutchinson CB, Lu CM, Wang E. Kikuchi histiocytic necrotizing lymphadenitis. *ASCP Check Sample, Hematology*, 45(1):H10-1 (H-332), Jan 2010.
38. Molofsky AB, Lu CM. Anaplastic large-cell lymphoma, ALK-positive. *ASCP Check Sample, Hematology*, 45(6):H10-6 (H-337), Aug 2010.
39. Wang E, Boswell E, Siddiqi I, Lu CM, Sebastian S, Rehder C, Huang Q. Pseudo-Pelger-Huet anomaly induced by medications. *Am J Clin Pathol* 2011 Feb; 135:291-303.
40. Wang E, Hutchinson CB, Huang Q, Lu CM, Crow J, Wang FF, Sebastian S, Rohder C, Lagoo A, Horwitz M, Rizzieri D, Yu JW, Goodman B, Datto M, Buckley P. Donor cell derived leukemias/myelodysplastic neoplasms in allogeneic hematopoietic stem cell transplant recipients: A clinicopathological study of 10 cases and a comprehensive review of the literature. *Am J Clin Pathol* 2011 Apr; 135:525-540.
41. Yukl SA, Li P, Fujimoto K, Lampiris H, Lu CM, Hare CB, Deeks SG, Liegler T, Pandori M, Havlir DV, Wong JK. Modification of the Abbott RealTime assay for detection of HIV-1

- plasma RNA viral loads less than one copy per milliliter. *J Virol Methods* 2011 Aug; 175:261-265. [PMID: 21536073]
42. Lu CM, Zhou L, Feng S, Kohn PH, Qi Z, Yu J. Presence of complex t(6;9;22;15) four-way chromosome rearrangements plus a rare t(1;6) translocation with favorable response to imatinib therapy in chronic myelogenous leukemia. *Leuk Lymphoma* 2011 Nov; 52:2182-2184. [PMID: 21718138]
 43. Lu CM, Zhou L, Wang E, Feng S, Sebastian S, Behler C. Development of refractory anemia with ring sideroblasts and marked thrombocytosis (RARS-T) from RARS through acquisition of Jak2 V617F mutation. *Leuk Lymphoma* 2011 Dec; 52:2405-2407. [PMID: 21806348]
 44. Lu CM. Pathology consultation on vitamin D testing: Clinical indications for 25(OH) vitamin D measurement. *Am J Clin Pathol* 2012; 137:831-832. [PMID: 22645788]
 45. Alley CL, Wang E, Dunphy CH, Gong JZ, Lu CM, Boswell EL, Burchette J, Lagoo AS. Diagnostic considerations and clinical implications of concomitant bone marrow involvement by plasma cell myeloma and chronic lymphocytic leukemia/monoclonal B lymphocytosis: a series of 15 cases review of literature. *Arch Pathol Lab Med* 2013 Apr; 137(4):503-517. [PMID: 23544940]
 46. Lu CM. Commentary on clinical case study- A 77-year-old man with bleeding and prolonged aPTT (invited). *Clin Chem* 2012; 58(10):1406-1407. [PMID: 23024129]
 47. Cascio M, Lu CM. Serum free light chain analysis and plasma cell neoplasms. *ASCP Check Sample, Hematology*, 48(2): HP13-2 (H-357), March 2013.
 48. Reddi DM, Lu CM, Fedoriw G, Liu YC, Wang FF, Ely S, Boswell EL, Louissaint A, Arcasoy MO, Goodman BK, Wang E. Myeloid neoplasms secondary to plasma cell myeloma: an intrinsic predisposition or therapy-related phenomenon? Clinicopathological study of 41 cases and correlation of cytogenetic features with treatment regimens. *Am J Clin Pathol* 2012; 138(6):855-866. [PMID: 23161720]
 49. Wool G, Lu CM. Pathology consultation on anticoagulation monitoring: factor X-related assays (invited review). *Am J Clin Pathol* 2013; 140:623-634. [PMID: 24124140]
 50. Wiita AP, Hsu GW, Lu CM, Esensten JH, Wells JA. Circulating proteolytic signatures of chemotherapy-induced cell death in humans discovered by N-terminal labeling. *Proc Natl Acad Sci USA* 2014 May 27; 111(21):7594-7599. [PMID: 24821784]
 51. Wu B, Ingersoll K, Jug R, Lo A, Rehder C, Gong J, Lu CM, Wang E. Myeloid neoplasms following solid organ transplantation: clinicopathologic studies of 23 cases. *Am J Clin Pathol* 2017 Dec 20; 149(1):55-66. [PMID: 29228125]
 52. Wang-Rodriguez J, Yunes A, Phan R, Ma N, Baddoura F, Mosse C, Kim AS, Lu CM, Dong DZM, Schichman SA, Icardi M, Ehsan A. The challenges of precision medicine and new advances in molecular diagnostic testing in hematolymphoid malignancies: Impact on the VHA. *Fed Pract*. 2017 Aug;34(Suppl 5): S50-S61. [PMID: 30766310]
 53. Yang LH, Su P, Luedke C, Lu CM, Louissaint A, McCall C, Rapisardo S, Vallangeon B, Wang E. Chronic myeloid leukemia following treatment for primary neoplasms or other medical conditions: a report of 21 cases and review of the literature. *Am J Clin Pathol* 2018, Jul 31;150(3):246-258. [PMID: 29992292]

54. Knez V, Liu X, Schowinsky J, Pan ZG, Wang D, Lorsbach R, Lu CM, Luedke C, Wang E, Liang X. Clinicopathologic and genetic spectrum of infantile B-lymphoblastic leukemia: A multi-institutional study. *Leukemia & Lymphoma* 2018; Sep 6:1-8 [PMID: 30188223]
55. Liu X, Zhao Y, Luedke C, Jug R, Yang LH, Lu CM, Pan Z, Wang D, Lorsbach R, Shi Y, Knez V, Rehder C, Liang X, Wang E. Infantile Leukemia - What Factors Determine Its Distinct Biological Nature? Clinicopathological Study of 78 Cases. *Int J Lab Hematol.* 2021 Oct;43(5):1117-1122. doi: 10.1111/ijlh.13540. Epub 2021 Apr 13. [PMID: 33847065]
56. Mattis DM, Wang SA, Lu CM. Contemporary Classification and Diagnostic Evaluation of Hypereosinophilia- An ACLPS Critical Review. *Am J Clin Pathol.* 2020 Aug 5; 154(3):305-318. [PMID: 32525541] (invited review)
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