

CURRICULUM VITAE

Name: Timothy R. Hamill, MD

Position: Clinical Professor VI
Department of Laboratory Medicine
School of Medicine

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EDUCATION:

1974-1978	University of Southern California	B.S. Cum Laude,	Psychobiology
1979-1983	University of California, Davis School of Medicine	M.D.	
1983-1985	University of California, Davis	Resident	Pathology
1985-1986	University of California, San Francisco Medicine	Resident	Laboratory
1986-1987	University of California, San Francisco Medicine	Chief Resident	Laboratory
1987-1988	San Francisco General Hospital Medicine	Chief Resident	Laboratory
1988-1990	Veterans Administration Hospital Martinez, CA	Fellow	Hematopathology

LICENSES, CERTIFICATION:

1984	Medical licensure, California (G54149, exp. 2/29/14)
1984	National Board of Medical Examiners
1988	American Board of Pathology, Clinical Pathology
1991	American Board of Pathology, Hematopathology

PRINCIPAL POSITIONS HELD (2005-present):

2000-now	University of California, San Francisco Medicine	Professor, Department of Laboratory Medicine
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OTHER POSITIONS HELD CONCURRENTLY:

2000-now	University of California, San Francisco Parnassus	Director, UCSF Clinical Laboratory at
2000-now	University of California, San Francisco Outpatient Point-of-Care Laboratories	Director, UCSF Inpatient and UCSF
2004-now	University of California, San Francisco China Basin	Director, UCSF Clinical Laboratory at

HONORS AND AWARDS:

1983	Award for Excellence in Ophthalmology Research, Department of Ophthalmology, University of California, Davis
1997	Sudikow Award, UCSF/Mount Zion Medical Center (CHF Caremap Team)
1997	UCSF Medical School Second Year Class Award for Distinction in Teaching in Laboratory Instruction
1999	UCSF Dept. of Laboratory Medicine Resident Teaching Award
2009	American Association of Clinical Chemistry Recognition Award
2012	American Association of Clinical Chemistry Outstanding Speaker Award

KEYWORDS/AREAS OF INTEREST:

My primary focus since assuming the Directorship of the UCSF Clinical Laboratories has been to promote efficient and effective central laboratory operations and point of care testing. Most recently I have become involved with reducing laboratory test utilization on inpatients to save cost and enhance patient satisfaction, reduce the development of iatrogenic anemia and promote good laboratory practices to the UCSF housestaff.

External to UCSF I am involved in the development, updating and standardization of California regulations regarding laboratory practice as the prior Chair of the California Clinical Laboratory Technical Advisory Committee (CLTAC) as well as the current vice president of the California Society of Pathologists.. Further I have taken a lead in promoting laboratory science as a career and Clinical Laboratory Scientist training as the Co-Chair of the Hospital Laboratory Workforce Initiative of the California Hospital Association. I am also involved developing better point of care testing practices through the College of American Pathologists as the Vice-Chair of the Point of Care Testing Resource Committee.

PROFESSIONAL ACTIVITIES

I am the overall Director for clinical laboratory operations at UCSF and am responsible for all activities of the UCSF Clinical Laboratories at Parnassus and China Basin. Further, I oversee the Directors of the UCSF Clinical Laboratory at Mount Zion and the Neonatal Clinical Physiology Laboratories who report to me. While I am still active in Molecular Diagnostics case sign-out my primary activities are administrative.

PROFESSIONAL ORGANIZATIONS

Memberships

Fellow, American Society of Clinical Pathologists
Fellow, College of American Pathologists

Member, California Society of Pathologists
Member, California Medical Association
Member, San Francisco Medical Association

Service to Professional Organizations

2007-now	California Society of Pathologists	Vice President
2007-now	California Medical Association	Delegate
2008-now	College of American Pathologists Committee	Vice-Chair, POCT

INVITED PRESENTATIONS:

INTERNATIONAL

Chinese Convention of Laboratory Directors, Jinan City, China, 2009 (Invited speaker)

NATIONAL

Clinical Laboratory Management Association Convention, Tampa, FL 2009 (invited speaker)

Clinical Laboratory Management Association Convention, Las Vegas, NV 2010 (invited speaker)

College of American Pathologists, CAP '11 conference, Grapevine, TX 2011 (invited speaker)

American Association of Clinical Chemistry, AACC Annual Convention, Los Angeles, CA 2012 (invited speaker)

College of American Pathologists, CAP '12 conference, San Diego, CA 2012 (invited speaker)

California Society of Pathologists, Educational meeting, San Francisco, CA 2012 (invited speaker)

REGIONAL AND OTHER INVITED PRESENTATIONS

2008 Stanford, Dept. of Pathology, Grand Rounds
2010 UCSF Medicine housestaff noon conference (x2)
2010 UCSF GME Grand Rounds
2010 UCSF Dept of Pediatrics housestaff conference
2011 UCSF Dept. of Anesthesiology Grand Rounds
2011 N. California AACC: South San Francisco

GOVERNMENT and OTHER PROFESSIONAL SERVICE:

2004-2012	California Clinical Laboratory Technical Advisory Committee	Chair (2007-2011)
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UNIVERSITY AND PUBLIC SERVICE**UNIVERSITY SERVICE**SYSTEMWIDE:

2000-present UCOP Laboratory Consortium Committee Lab Director Representative UCSF

UCSF CAMPUS-WIDE

2000-now	UCSF Point of Care Testing Committee	Chair
2000-2011	UCSF Pharmacy & Therapeutics Committee	Member
2000-now	UCSF Executive Medical Board	Dept. Representative
2001-2008	UCSF Clinical Resource Management Committee	Member
2001-2011	UCSF Standards Committee	Member
2002-now	UCSF Capital Budget Planning Committee	Member
2002-now	UCSF Credentials Committee	Member
2003-now	UCSF Enterprise Compliance Committee	Member
2003-2009	UCSF, UCare Physicians Advisory Group	Member
2004-now	UCSF, HIPAA Patient Privacy Committee	Co-Chair
2005-now	UCSF Privacy Compliance Committee	Member
2005-now	UCSF Ambulatory Operations Group	Member
2008-now	UCSF Compliance Committee for Clinical Laboratories	Chair
2008-2009	UCSF Service Excellence Steering Committee	Member
2009-now	UCSF Culture of Excellence Committee	Member
2010-now	UCSF Utilization Management Committee	Member
2010-now	UCSF Test Result Task Force	Co-Chair
2010-now	UCSF Apex Physician Advisory Group	Member

UCSF CLINICAL LABORATORY

2000-now	UCSF Clinical Laboratory Quality Improvement Committee	Chair
2002-now	UCSF Clinical Laboratory Compliance Committee	Member

DEPARTMENTAL SERVICE:

1993-now	Department of Laboratory Medicine	Residency Advisory Committee
2000-now	Department of Laboratory Medicine	Faculty and Staff Committee
2006	Department of Laboratory Medicine	Cytogenetics Search Committee
2009	Department of Laboratory Medicine	Asst. Cytogenetics Search Committee

PUBLIC SERVICE:

2006-now	Hospital Laboratory Workforce Initiative (HLWI)	Co-Chair
2004-2012	California Clinical Laboratory Technical Advisory Committee	Chair
2007-now	Calif. Medical Association, House of Delegates	Delegate
2007-now	California Society of Pathologists (CSP)	Vice
	President	
2007-now	College of American Pathologists, POCT Resource Committee	Vice
	Chair	

SUMMARY OF SERVICE ACTIVITIES

As the overall Director for Laboratories at UCSF I am a member of multiple Medical Center and Campus committees where input from the laboratory regarding operations, planning and regulatory compliance is important. I have used my participation on these committees to try to foster appropriate and efficient test utilization.

Within the Department and the Laboratories I chair the QI committee and I am a member of the Clinical Laboratory Compliance Committee. Participation on these is vital for both regulatory and billing compliance. I have additionally served on multiple search committees for the department.

Externally, my participation on multiple boards and committees at the state and national level has allowed me to stay abreast of changes in the regulatory environment as well as provide input on both the creation of new regulations and updating of current regulations. Through the HLWI I have worked to raise the awareness of the CLS shortage in California and to promote the creation of new and expanded training programs.

TEACHING and MENTORING

FORMAL SCHEDULED CLASSES FOR UCSF STUDENTS:

Qtr	Academic Yr	Course No. & Title	Teaching Contribution	Units	Class Size
W	2008-2014	Organs 102A; Arterial Blood Gas Testing	Lecturer (1 lecture)	N/A	100
S	2008-2013	Organs 102A; Introduction to Laboratory Testing	Lecturer (1 lecture)	N/A	100
W	2008-2013	Cancer; Peripheral smear and bone marrow evaluation	Laboratory instructor	N/A	20
S	2008-2013	Cancer; Leukemia & Lymphoma	Laboratory Instructor	N/A	20
S	2012	Laboratory Reimbursement: Nursing	Lecturer (1 lecture)	N/A	20

POSTGRADUATE AND OTHER COURSES

2008	Hematology Core; MPS & MDS, Dept. of Lab Medicine	1 lecture
2008-2013	Informatics Core; LIS & HIS, Dept. of Lab Medicine	1 lecture
2008-2013	Management Core; Dept. of Lab Medicine	Course coordinator; 3 lectures
2008-2013	Hematologic Morphology; Dept. of Medicine	2 lectures
2011-2013	Management Core: Pre-analytic Variables	1 lecture
2013	Preparing for Laboratory Inspections, Dominican College CLS Masters Program	1 lecture

INFORMAL TEACHING:

Daily interactions with laboratory medicine residents regarding approval of esoteric test requests, appropriate test utilization and test interpretation. Interaction with medical housestaff on similar topics. Weekly call conference case review with laboratory residents.

COLLEGE OF AMERICAN PATHOLOGISTS SPONSORED MANAGEMENT FELLOWSHIP

Dates	Name
9/1/2011-9/29/2011	Dr. Emily O'Rourke, Cedar-Sinai L.A

FACULTY MENTORING

Dates	Name	Position while Mentored	Mentoring Role	Current Position
2008-now	Luke Perkocha, MD	Assoc. Prof.	Academic & Career Advisor	Assoc. Prof., Pathology, UCSF
2008-now	Maria Yiu, PhD	Assoc. Prof.	Academic & Career Advisor	Assoc. Prof., Lab Med UCSF
2009-now	Ed Thornborow, MD, PhD	Asst. Prof.	Academic & Career Advisor	Asst. Prof., Lab Med UCSF and Director UCSF Zion Clinical Laboratory

TEACHING AWARDS AND NOMINATIONS:

1997 UCSF Medical School Second Year Class Award for Distinction in Teaching in Laboratory Instruction

1999 UCSF Dept. of Laboratory Medicine Resident Teaching Award

2012 AACC Outstanding Speaker Award

SUMMARY OF TEACHING HOURS:

Past Year 86 Total hours (including preparation)
 Formal or class teaching: 20 hours
 Informal teaching: 60 hours
 Mentoring: 6 hours

Current 90 Total hours (including preparation)
 Formal or class teaching: 20 hours
 Informal teaching: 60 hours
 Mentoring: 10 hours

Future 90 Total hours (including preparation)
 Formal or class teaching: 20 hours
 Informal teaching: 60 hours
 Mentoring: 10 hours

TEACHING NARRATIVE:

My primary teaching activities apply to the UCSF Dept. of Laboratory Medicine resident core curriculum (Informatics, Management) lectures and my daily informal teaching activities with those residents. Additionally, I provide lectures to (Arterial Blood Gases, Introduction to Laboratory Testing) laboratory instruction (Leukemia & Lymphoma, Peripheral Smear and Bone marrow evaluation) for UCSF Medical Students. Finally, I provide a yearly set of lectures in Hematologic Morphology to the Adult Hematology/Oncology service fellows.

RESEARCH AND CREATIVE ACTIVITIES**RESEARCH AWARDS AND GRANTS**PAST

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|--------------------------------------------------------------|----------------|
| 1. Grant Award 1 U79 HP 00031-01 | 9/3-02-9/29/03 |
| HRSA: Clinical Laboratory Scientist Workforce Shortage Study | \$151,032 |

PEER REVIEWED PUBLICATIONS:

1. Hamill TR, Post RB, Johnson CA, Keltner JL. Correlation of Color Vision Deficits and Observable Changes in the Optic Disc in a Population of Ocular Hypertensives. Arch Ophthalmol 1984;102:1637-1639
2. Hamill TR. Two RIA Tests for the Diagnosis of Hepatitis A. Pathologist 1986;July:34-36
3. Hamill TR. The 30-minute rule for reissuing blood: are we needlessly discarding units? Transfusion 1990;30:58-62
4. Hamill TR, Hamill SG, Busch MP. Effects of room-temperature exposure on bacterial growth in stored red cells. Transfusion 1990;30:302-306
5. Cha I, Herndier B, Glassberg AB, Hamill TR, A case of Composite Hodgkin's Disease and Chronic Lymphocytic Leukemia in Bone Marrow. Arch Pathol Lab Med 1996;120:386-389
6. Perrier ND, Ituarte P, Kikuchi S, Siperstein AE, Duh QY, Clark OH, Gielow R, Hamill T. Intraoperative Parathyroid Aspiration and Parathyroid Hormone Assay as an Alternative to Frozen Section for Tissue Identification. World J Surg. 2000 Nov;24(11):1319-1322
7. Perrier ND, Ituarte P, Morita E, Hamill T, Gielow R, Duh QY, Clark OH Parathyroid surgery: Separating promise from reality. J Clin Endocrinol Metab 2002 Mar;87(3):1024-9
8. Astion ML, Shojania KG, Hamill TR, Kim S, Ng V. Classifying Laboratory Incident Reports to Identify Problems that Jeopardize Patient Safety. Am J Clin Pathol 2003;120:18-26
9. Creating a clinical video –conferencing facility in a security constrained environment using open source AccessGrid software and consumer hardware. Terrazas E, Hamill TR, Wang W, Channing Rodgers RP. AMIA Annu Symp Proc. 2007 Oct 11:716-20

10. Vidyarthi AR, Hamill T, Green AL, Rosenbluth G, Baron RB. Changing Resident Test Ordering Behavior: A Multilevel Intervention to Decrease Laboratory Utilization at an Academic Medical Center. *Am J Med Qual.* Jan 17 2014.

NON-PEER REVIEWED PUBLICATIONS AND OTHER CREATIVE ACTIVITIES:

Books and Chapters

1. Larkin EC, Hamill TR. Hematopathologic aspects of the human immunodeficiency virus. In: Nakada T, ed. University of California Davis Handbook on AIDS. Tokyo: Igakuhyoronsha, Inc. 1991

Web-based:

1. CAP POCT Resource Committee: POCT Toolkit, Editor & Contributor

Other Publications:

1. University Pathology Consortium Website: B cell lymphoproliferations:
a. Burkitt's Lymphoma
b. Mantle Cell Lymphoma
c. Follicular Lymphoma
d. Small Lymphocytic Lymphoma
e. Lymphoplasmacytic Lymphoma
f. Diffuse Large B-cell Lymphoma
g. Plasmacytoma