

CURRICULUM VITAE

HOBART W. HARRIS, MD, MPH, FACS

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EDUCATION:

1975-1979	Harvard College, Cambridge, MA	A.B.	Biology, <i>magna cum laude</i>
1979-1983	Harvard Medical School, Boston, MA	M.D.	Medicine, <i>cum laude</i>
1983-1984	Harvard School of Public Health, Boston, MA	M.P.H.	General Studies
1984-1985	University of California, San Francisco	Intern	Surgery
1985-1993	University of California, San Francisco	Resident	Surgery
7/93-12/93	University of Hong Kong, Queen Mary Hospital, Hong Kong, P.R.C.	Fellowship	Hepatobiliary Surgery
2/05-7/05	University of Louisville, Louisville, KY	Fellowship	ERCP

EMPLOYMENT HISTORY:

2002-present	University of California, San Francisco	Professor of Surgery Chief, Division of General Surgery Vice Chair, Department of Surgery
2002-2008;	University of California, San Francisco	Vice Chair, Department of Surgery
2013-present	University of California, San Francisco	Vice Chair, Department of Surgery
2000-2002	University of California, San Francisco	Associate Professor of Surgery
1994-2000	University of California, San Francisco	Assistant Professor of Surgery
7/93-12/93	University of Hong Kong, Queen Mary Hospital	Honorary Clinical Associate

LICENSES AND CERTIFICATIONS:

1986	Medical license, California (No. G57599)
1994	Certified, American Board of Surgery (No. 38995)
2003	Re-Certified, American Board of Surgery
2014	Re-Certified, American Board of Surgery

HONORS AND AWARDS:

1976	John Harvard Scholarship (academic scholarship)
1984	National Medical Foundation Fellowship (academic scholarship)
1988 - 1991	National Research Service Fellowship Award (Department of Health and Human Services Research Grant)
1989 - 1992	Achievement Reward for College Scientists (ARCS, private research grant)
1990	Alpha Omega Alpha (Medical Honors Society), elected to San Francisco Chapter in 1990
1991	Resident Research Award, Department of Surgery, University of California, San Francisco
1993	House Staff Teaching Award, University of California, San Francisco Medical School Class of 1993
1994 - 1998	Robert Wood Johnson Minority Medical Faculty Development Program Fellowship

HONORS AND AWARDS (Continued):

- 1994 - 1999 TOP Award, University of California, San Francisco
- 1995 - 1997 American College of Surgeons Faculty Fellowship
- 1998 Clinical Faculty Teaching Award, University of California, San Francisco Medical School, Class of 1998
- 1999 Teaching Award, University of California, San Francisco Medical School, Black Health Alliance
- 2000 Royal College of Surgeons Traveling Fellowship
- 2003 James IV Traveling Fellowship
- 2004 Kaiser Teaching Award, Clinical Faculty, UCSF School of Medicine Class of 2004
- 2006 Nominated, Kaiser Teaching Award, Clinical Faculty, UCSF School of Medicine Class of 2006
- 2008 J. Englebert Dunphy Chair in Surgery (endowed chair)
- 2011 Mentorship Award, UCSF Department of Surgery Chief Resident Class of 2011
- 2012 T1 Catalyst Award, Clinical & Translational Science Institute, UCSF
- 2013 Bridging the Gap Award, QB3 & Rogers Family Foundation
- 2013 Lim/Thomas Faculty Teaching Award, UCSF Department of Surgery, Chief Resident Class of 2013
- 2014 Teaching Award, UCSF Department of Surgery Chief Resident Class of 2014
- 2014 Rosenman Institute Innovation Award, QB3 & UCSF Department of Surgery
- 2015 Lim/Thomas Faculty Teaching Award, UCSF Department of Surgery, Chief Resident Class of 2015
- 2015 Excellence in Teaching Award, Debas Academy of Medical Educators

MEMBERSHIPS:

- 1994 Naffziger Society
- 1994 - 2009 Association for Academic Surgery
- 1995 Society for Surgery of the Alimentary Tract
- 1996 Society of Black Academic Surgeons
- 1996 - 2015 International Endotoxin Society
- 1997 American College of Surgeons, Fellow
- 1997 San Francisco Surgical Society
- 1997 Surgical Infection Society
- 1997 Shock Society
- 2000 - 2014 Society of University Surgeons
- 2000 American Hepato-Pancreato-Biliary Association
- 2001 Pacific Coast Surgical Association
- 2002 International Hepato-Pancreato-Biliary Association
- 2005 American Surgical Association
- 2006 Surgical Biology Club I
- 2007 James IV Association of Surgeons, Inc.
- 2011 Americas Hernia Society

PROFESSIONAL COMPETENCE:

National/International (selected presentations)

- Forum on Fundamental Surgical Problems, American College of Surgeons, Chicago, IL, October 23-28, 1988 (oral presentation)
- Sixtieth Annual Meeting of the Pacific Coast Surgical Association, Vancouver, Canada, February 22, 1989 (oral presentation)
- Thirty-Second Annual University Surgical Resident's Conference, Society of University Surgeons, Los Angeles, CA, February 10, 1990 (oral presentation)
- 1990 AAP/ASCI/AFCR National Meeting, Washington, D.C., May 4-7, 1990 (poster)
- St. Joseph's Hospital, "Hepatic Resections: Total Vascular Exclusion", Department of Surgery, Houston, TX, April 2, 1995.
- University of California, San Francisco, Grand Rounds "Surgical Management of Benign Liver Tumors", Department of Medicine, Division of Gastroenterology, San Francisco, CA, October 18, 1995.
- University of California, San Francisco, General Surgery Postgraduate Course, "Recurrent Pyogenic Cholangitis", April 25, 1996.
- Forum on Fundamental Surgical Problems, American College of Surgeons, San Francisco, CA, October 6-11, 1996 (oral presentation)
- Fourth Conference of the International Endotoxin Society, Nagoya, Japan, October 22-25, 1996 (poster)
- Fourth International Congress on The Immune Consequences of Trauma, Shock and Sepsis, Munich, Germany, March 4-8, 1997 (oral presentation)
- Fifty-Seventh Annual Meeting of the American Association for the Surgery of Trauma, Waikoloa, HI, September 24-27, 1997 (poster)
- Forum on Fundamental Surgical Problems, American College of Surgeons, Chicago, IL, October 12-17, 1997 (oral presentation)
- Black Lion Hospital, Medical Director's Office, "Introduction to Laparoscopic Surgery", May 7, 1996, Addis Ababa, Ethiopia.
- St. Joseph's Hospital, Department of Surgery, "Necrotizing pancreatitis," April 8, 1999, Houston, TX.
- University of California, San Francisco, General Surgery Postgraduate Course, "Surgical Management of Necrotizing Pancreatitis", April 22, 1999, San Francisco, CA.
- University of California, Fresno, Department of Surgery, "Acute Pancreatitis," October 11, 1999, Fresno, CA.
- International Gastro-Surgical Club, 9th World Congress, "Necrotizing Pancreatitis: Surgical Approaches," October 19-23, 1999, Nagasaki, Japan.
- East Bay Surgical Society, "Acute pancreatitis, medical and surgical management," November 30, 1999, Oakland, CA.
- Glasgow Royal Infirmary, Department of Surgery, "Hepatic Lipoproteins and Sepsis," October 19, 2000, Glasgow, Scotland.
- Glasgow Royal Infirmary, Department of Surgery, "Necrotizing Pancreatitis," October 20, 2000, Glasgow, Scotland.
- General Infirmary at Leeds, Department of Surgery, "Surgical Management of Necrotizing Pancreatitis," October 24, 2000, Leeds, England.
- University of Liverpool, "Necrotizing Pancreatitis: Controversies in Management," October 25, 2000, Liverpool, England.
- Imperial College School of Medicine, The Hammersmith Hospital, "Molecular Pathogenesis of Acute Pancreatitis," October 27, 2000, London, England.
- University of California, San Francisco, Department of Surgery, "Integrated Soft Tissue Infection Services," May 9, 2001, San Francisco, CA.

- University of California, Davis-East Bay, Department of Surgery, "Integrated Soft Tissue Infections Services," August 23, 2001, Oakland, CA.
- Edinburgh Royal Infirmary, Department of Surgery, "Endogenous lipoproteins attenuate the response to endotoxin in humans," September 18, 2001, Glasgow, Scotland.
- Marin General Hospital, Committee on Continuing Medical Education, "Abdominal Sepsis," December 18, 2001, Marin, CA.
- O'Connor Hospital, Committee on Continuing Medical Education, "Necrotizing Pancreatitis," January 29, 2002, San Jose, CA.
- University of Texas-Southwestern, Department of Surgery, "Lipoproteins as Agents of Innate Immunity," March 20, 2002, Dallas, TX.
- University of Arizona, Department of Surgery, "Surgical Management of Necrotizing Pancreatitis," April 3, 2002, Tucson, AZ.
- University of California, San Francisco, General Surgery Postgraduate Course, "Abdominal Sepsis", April 13, 2002.
- O'Connor Hospital, Committee on Continuing Medical Education, "Soft Tissue Infections," June 11, 2002, San Jose, CA.
- Twenty-fifth Annual Meeting of the Shock Society, "Lipopolysaccharide and Toll-like Receptors," Big Sky, MT, June 8-11, 2002.
- Seventh Biennial Conference of the International Endotoxin Society, "Lipemia of Sepsis: triglyceride-rich lipoproteins as agents of innate immunity," Arlington, VA, July 17-21, 2002.
- University of California, San Francisco, Department of Surgery, "The Three Princes of Serendip and the Pancreas," January 22, 2003, San Francisco, CA.
- Thirty-second Critical Care Congress, Society of Critical Care Medicine, "Lipoproteins as therapeutic agents," San Antonio, TX, January 28-February 2, 2003.
- University of California, San Francisco, General Surgery Postgraduate Course, "Diagnosis and Staging of Acute Pancreatitis: Beyond the Ranson Criteria", April 4, 2003, San Francisco, CA.
- University of California, San Francisco, General Surgery Postgraduate Course, "Gallstone Pancreatitis", April 5, 2003, San Francisco, CA.
- Seventh Biennial Congress of the Asian Society of Hepato-biliary Pancreatic Surgery, "Summary review of pancreatic head resections at UCSF from 1990-2003," Chennai, India, August 28-31, 2003.
- Seventh Biennial Congress of the Asian Society of Hepato-biliary Pancreatic Surgery, "Surgical management of necrotizing pancreatitis," Chennai, India, August 28-31, 2003.
- University of California, San Francisco, Department of Surgery, "Pancreaticoduodenectomy: An Analysis of a Complex Procedure," December 3, 2003, San Francisco, CA.
- International Sepsis Forum, "Triglyceride-rich Lipoproteins as Agents of Innate Immunity," June 1, 2004, Cambridge, England.
- ASSA-SAGES 2004 Congress, "Recurrent pyogenic cholangitis," Cape Town, South Africa, August 6-10, 2004.
- ASSA-SAGES 2004 Congress, "The surgical management of necrotizing pancreatitis," Cape Town, South Africa, August 6-10, 2004.
- University of Witwatersrand, Department of Surgery, "Pancreaticoduodenectomy: indications and outcomes," August 17, 2004, Johannesburg, South Africa.
- Cho Ray Hospital, University of Medicine and Pharmacy at Hochiminh City, "Surgical management of necrotizing pancreatitis," October 12, 2004, Hochiminh City, Vietnam.
- First Open Laparoscopic and Endoscopic Congress, University of Medicine and Pharmacy at Hochiminh City and Hoan My Hospital, "Laparoscopic cystgastrostomy," October 15, 2004, Hochiminh City, Vietnam.
- Hoan My Hospital Da Nang, "Laparoscopic cystgastrostomy," October 18, 2004, Da Nang, Vietnam.
- University of California, San Francisco, Department of Surgery, "Exporting Surgical Excellence for Whipple Resection – Refinement of the Leapfrog Initiative," December 8, 2004, San Francisco, CA.

University of California, Davis-East Bay, Department of Surgery, "Surgical Disease of the Pancreas," January 13, 2005, Oakland, CA.
Sutter Delta Medical Center, "Pancreatic Cancer," January 3, 2006, Antioch, CA.
University of California, Davis-East Bay, Department of Surgery, "Systemic Manifestations of Pancreatitis," February 2, 2006, Oakland, CA.
Alameda Hospital, "Abdominal Sepsis," February 13, 2006, Alameda, CA.
Doctors Medical Center, "Acute Pancreatitis: Medical and Surgical Management," February 15, 2006, Modesto, CA.
Pittsburgh Surgical Society, "ISIS: Lessons Learned from Egypt to Black Tar Heroin," March 7, 2006, Pittsburgh, PA.
University of Pittsburgh, Department of Surgery, "Severe Acute Pancreatitis," March 8, 2006, Pittsburgh, PA.
St. Rose Hospital, "Hepatobiliary Tumors: Benign Tumors of the Liver," April 17, 2006, Hayward, CA.
Marin General Hospital, "Abdominal Sepsis," May 16, 2006, Marin, CA
Palm Drive Hospital, "Severe Acute Pancreatitis," May 17, 2006, Sebastopol, CA.
St. Joseph's Hospital of Stockton, "Abdominal Sepsis," October 17, 2006, Stockton, CA.
Sonoma Valley Hospital, "Severe Acute Pancreatitis," November 30, 2006, Sonoma, CA.
University of California, San Francisco, General Surgery Postgraduate Course, "Chronic Pancreatitis and Islet Autotransplantation", March 22, 2007, San Francisco, CA.
University of California, San Francisco, Department of Surgery, "UCSF Surgical Hospitalist Program," April 25, 2007, San Francisco, CA.
Hershey Medical Center, Penn State University, "Triglyceride-rich Lipoproteins and Microbial Immunity," May 3, 2007, Hershey, PA.
West Virginia University Medical Center, Department of Surgery, "Lipoproteins and Microbial Immunity," August 15, 2007, Morgantown, WV.
Association for Academic Surgery, 18th Fundamentals of Scientific Research Course, "Nuts and Bolts of Scientific Writing," October 5, 2007, New Orleans, LA.
Surgical Biology Club I, "Apolipoprotein E and Microbial Immunity," October 7, 2007, New Orleans, LA.
Novato Community Hospital, "Gallstone Disease," November 5, 2007, Novato, CA.
University of California, San Francisco, Department of Surgery, "Lipoproteins & Microbial Immunity," March 26, 2008, San Francisco, CA.
University of California, San Francisco, General Surgery Postgraduate Course, "Intestinal Obstruction", March 28, 2008, San Francisco, CA.
University of Kansas, Department of Surgery, "Surgical Management of Severe Acute Pancreatitis," May 20, 2008, Kansas City, KS.
University of California, San Francisco, General Surgery Postgraduate Course, "Evolution of Hernia Mesh", March 19, 2009, San Francisco, CA.
University of California, San Francisco, General Surgery Postgraduate Course, "Complex Ventral Hernia Repair", March 19, 2009, San Francisco, CA.
University of California, San Francisco, "African American Health Disparities," September 16, 2008, San Francisco, CA.
University of California, San Francisco, General Surgery Postgraduate Course, "Complex Ventral Hernias", April 30, 2010, San Francisco, CA.
San Francisco General Hospital Department of Surgery, Grand Rounds, "HPB Surgery at SFGH," February 16, 2011, San Francisco, CA.
University of California, San Francisco, General Surgery Postgraduate Course, "Postoperative Ileus", March 20, 2011, Maui, HI.
University of California, San Francisco, General Surgery Postgraduate Course, "Acute Renal Failure; Management Update", March 20, 2011, Maui, HI.
University of California, San Francisco, General Surgery Postgraduate Course, "Acute Appendicitis; What's New with and Old Foe", March 21, 2011, Maui, HI.

- University of California, San Francisco, General Surgery Postgraduate Course, "Enterocutaneous Fistulas," March 21, 2011, Maui, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Open Ventral Hernia Repair," March 21, 2011, Maui, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Severe Acute Pancreatitis," March 22, 2011, Maui, HI.
- University of California, Davis-East Bay, Department of Surgery, "Surgical Response to the Surviving Sepsis Campaign," July 21, 2011, Oakland, CA.
- American College of Surgeons, panelist, "Maximizing the Future of Surgical Leadership." October 24, 2011, San Francisco, CA.
- Sixtieth Annual Meeting of the Louisiana Chapter of the American College of Surgeons and Surgical Association of Louisiana, "Enterocutaneous Fistulas," January 21, 2012, New Orleans, LA.
- East Bay Surgical Society, "Complex Ventral Hernias," February 9, 2012, Oakland, CA.
- University of California, San Francisco, General Surgery Postgraduate Course, "Early Goal Directed Therapy: Surviving Sepsis", March 25, 2012, Oahu, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Negative Wound Pressure Therapy", March 26, 2012, Oahu, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Ventral Hernia Repair: the Prosthetic Jungle", March 26, 2012, Oahu, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Massive Ventral Hernias," March 26, 2012, Oahu, HI.
- Tulane University School of Medicine, Department of Surgery Grand Rounds, "Management of Severe Acute Pancreatitis," June 1, 2012, New Orleans, LA.
- University of California, San Francisco, General Surgery Postgraduate Course, "Human Microbiome and Surgery", March 24, 2013, Kauai, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Biologic Prosthetics and Beyond", March 25, 2013, Kauai, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Emerging Concepts in Ventral Hernia Repair", March 25, 2013, Kauai, HI.
- University of California, San Francisco, General Surgery Postgraduate Course, "Surgical Management of Severe Acute Pancreatitis", March 26, 2013, Kauai, HI.
- Royal Australasian College of Surgeons 82nd Annual Scientific Congress, "Incisional Hernias – From Simple to Complex", May 7, 2013, Auckland, New Zealand.
- Royal Australasian College of Surgeons 82nd Annual Scientific Congress, "The Challenge of Abdominal Trauma in the Obese Patient", May 8, 2013, Auckland, New Zealand.
- Royal Australasian College of Surgeons 82nd Annual Scientific Congress, "Acute Pancreatitis – an American Perspective", May 8, 2013, Auckland, New Zealand.
- Royal Australasian College of Surgeons 82nd Annual Scientific Congress, "Iatrogenic Bile Duct Injury", May 9, 2013, Auckland, New Zealand.
- University of California, San Francisco, General Surgery Postgraduate Course, "Surgical Management of Severe Acute Pancreatitis", May 17, 2013, San Francisco, CA.
- University of California, San Francisco, General Surgery Postgraduate Course, "Biologic Prosthetics and Beyond", May 18, 2013, San Francisco, CA.
- University of California, San Francisco, General Surgery Postgraduate Course, "Emerging Concepts in Ventral Hernia Repair", May 18, 2013, San Francisco, CA.
- UCSF Naffziger Post Graduate Course, May 17-18, 2013, San Francisco, CA.
- 4th Annual Women in Surgery Career Symposium, June 7-9, 2013, San Francisco, CA
- University of California, San Francisco, Department of Surgery, "Sensors for wound healing and hernia repair," June 3, 2015, San Francisco, CA.
- SAGES 2016 Surgical Spring Week, "Debate: Con-Robot Herniorrhaphy," March 17, 2016, Boston, MA.

UNIVERSITY SERVICE:

Department

1994 - present Research Committee
1994 - present Admissions Committee
1994 - 1997 Surgical Lab Director Search Committee, San Francisco General Hospital
1995 - present Surgical Education Committee
2000 - present Resident Recruitment Committee
2004 - present Merit and Promotions Committee
2006 - present Faculty Mentoring Facilitator
2009 - present Chief, Red Surgery Service, UCSF
2012 - present Surgical Quality Improvement Committee
2013 - 2014 Chair of Surgical Oncology Search Committee

School of Medicine

2000 - 2003 Equal Opportunity Committee
2001 - 2003 Chancellor's Advisory Committee on Diversity
2002 - 2004 Contracting Committee, Co-Chair, UCSF Medical Group
2002 - 2010 Medical School Admissions Committee
2002 - 2005 UCSF Cancer Center Executive Committee
2003 - 2007 Critical Players at Mt. Zion Medical Center
2004 - 2006 Clinical Affairs Committee
2004 - 2011 Task Force on Underrepresented Minorities
2004 - 2011 Academic Standards Committee
2005 - 2007 Clinical Products Standard Committee
2006 - present Faculty Mentoring Program, Department of Surgery Representative
2006 - present UCSF Healthcare Technology Assessment Program
2007 - 2008 Chancellor's Advisory Committee on Academic Diversity, Steering Committee
2008 - 2010 Chair, Equal Opportunity Committee
2008 - present Student Research Review Committee
2008 School of Medicine Stewardship Review Committee
2009 - 2012 Chancellor's Advisory Committee on Academic Diversity
2011 - present Chair, Academic Standards Committee
2013 - 2014 School of Medicine Space Committee
2013 - 2014 CSB/UCH Renovation Faculty Advisory Committee
2013 - present UCSF, Biologic & Synthetic Mesh Sub-Committee
2015 - present Dean's Diversity Committee

Other

1995 - 2001 Advisory Committee, General Clinical Research Center, San Francisco General Hospital
1995 - 1996 Interventional Radiologist Search Committee, San Francisco General Hospital
1995 - 1996 Minimally Invasive Surgery Committee, San Francisco General Hospital
1996 - 1999 Co-Chairman, General Surgery Section, Program Planning Committee, Northern California Chapter, American College of Surgeons
1996 - 1997 Research Committee, San Francisco General Hospital
1996 - 1997 Tissue Committee, San Francisco General Hospital
1997 - 1998 Thoracic/CT Radiologist Search Committee, San Francisco General Hospital

1997 - 1998	Cardiology Search Committee, San Francisco General Hospital
1997 - 2001	Co-Chairman, Cancer Committee, San Francisco General Hospital
2000 - 2001	Co-Medical Director, Integrated Soft Tissue Infection Service (ISIS), SFGH
2001 - 2002	Chief of General Surgery Search Committee, UCSF
2003	Chief of Surgery, San Francisco VA Medical Center, Chair of Search Committee
2004 - 2006	Capacity Solutions Committee, UCSF Medical Center
2007	Director of Academic Diversity, Search Committee
2009	Chief, Division of Gastrointestinal Medicine Search Committee, UCSF

FORMAL SCHEDULED CLASSES FOR UCSF STUDENTS

<u>Date Taught</u>	<u>Course No. & Title</u>	<u>Nature of Contribution</u>	<u>Class Size</u>	<u>Hours per yr.</u>
1994 - present	Surgery 110: Core Clinical Surgery Clerkship.	Take students on rounds and discuss cases. Instruction in physical diagnosis and treatment.	4-8	100
1996 - 2009	Medicine 111:	"Fluid Management" (invited lecturer)	140	1.5
1997 - 2003	Medicine 111:	"Surgical Emergencies" (invited lecturer)	140	1.5
1999 - 2003	Medicine 111:	"Acute Pancreatitis" (invited lecturer)	140	1.5
2003 - 2009	Medicine 111:	"Abdominal Emergencies" (invited lecturer)	140	3.0

HOUSE STAFF & FELLOWS

1994 - present	400. General Surgical	Conferences, case presentations, guest Conference, lectures, death and complication discussions.	20	40/yr.
1994 - present	490. Clinical Surgery	Resident teaching and supervision of pre-op, operative and post-op patients	2-4	140/yr.
1994 - present	Research	meetings, lectures, data analysis	1-3	250/yr.

GROUP INSTRUCTION

	<u>HOURS/YEAR</u>	<u>FROM-TO</u>	<u>DIRECTOR</u>
G.I. Conference	48	1994-2002	John Cello, M.D.
SFGH Complications	75	1994-2002	William Schecter, M.D.
Basic Science Course	02	1994-present	Ryo Hirose, M.D.
G.I. Radiology Conference	48	1997-2002	Ernest Ring, M.D.
Tumor Board	12	1998-2001	Judy Luce, M.D.
General Surgery (White) Conference	48	2002-2003	Robert Warren, M.D.
General Surgery (Blue) Conference	48	2003-2005	Lawrence Way, M.D.
General Surgery (Red) Conference	48	2005-present	Hobart W. Harris, M.D.
GI Radiology Conference	24	2012-present	Robert Kerlan, M.D.

Informal Teaching:

1994 - now	Surgical Attending	Discuss cases with residents. Teach residents in operating room. Take residents on patient rounds.	420/yr.
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Postdoctoral Scholars Supervised

- 1.) Guoshon Su, MD (July 1, 1995 - June 30, 1996)
- 2.) Shyr-Ming Sheen-Chen, MD (July 1, 1996 - June 30, 1998)
- 3.) Zindaba L. Kumwenda, MD (July 1, 1997 - June, 2001)
- 4.) Jessica Gosnell, MD (July 1, 1998 - 2000)
- 5.) Brian O. O'Neill, MD (July 1, 1999 - June, 2001)

- 6.) Qiang Liu, MD (July 1, 1999 - June, 2001)
- 7.) Behzad Kasravi, MD, PhD (May 1, 2000 - June 30, 2007)
- 8.) Ines Verdon (July 1, 2001 - December 31, 2001)
- 9.) Austin Spitzer, MD (July 1, 2003 - June 30, 2005)
- 10.) Michael Schell, MD (July 1, 2002 - June 30, 2005)
- 11.) Stephen Dada, MD (July 1, 2004 - June 30, 2005)
- 12.) Kelley Chuang, MD (July 1, 2008 - June 30, 2010)
- 13.) Ian Brown, MD, PhD (July 1, 2010 – June 30, 2012)
- 14.) Natalie Seiser, MD, PhD (July 1, 2010 – June 30, 2012)
- 15.) Frank Primus, MD (July 1, 2010 – June 30, 2013)
- 16.) Carolyn Seib, MD (July 1, 2012 – June 30, 2014)
- 17.) Xiato Xu, MD (July 1, 2013 – June 30, 2014)
- 18.) Chetan Irwin, MD (July 1-2013 – June 30, 2014)
- 19.) Victoria Lyo, MD (July 1, 2014 – present)
- 20.) Jennifer Rose-Nussbaumer, MD (July 1, 2014 - present)
- 21.) Tammy T. Chang, MD, PhD (January 2011 - present)

Graduate Students Supervised

- 1.) Brian Kearney, PharmD (January, 1998--1999)
- 2.) Hiwot Woldeseymayat (September 15, 2011 – June 30, 2014)

Students Supervised

- 1.) Amish Shah (June-August, 1995)
- 2.) Rhawah Ghermay (June-August, 1996)
- 3.) Andrew Ngyuen (June-August, 1998)
- 4.) Crystal Carpino (June-August, 1998; June-August, 2000)
- 5.) Tina Chen (June-August, 2001)
- 6.) Jesus Lozano (June-August, 2002)
- 7.) Anthony Barcia (July 1, 2002-June 1, 2005)
- 8.) Rita A. Mukhtar (May 1, 2004-May 1, 2006)
- 9.) Lorenzo Machado (June 27, 2005-August 19, 2005)
- 10.) Marcus Zachariah (June 27, 2005-August 19, 2005)
- 11.) Ezechinyerem Uzosike (Summer 2007)
- 12.) Jill Tseng (Summer 2007)
- 13.) Arjun Bannerjee (Summer 2008 & 2009)
- 14.) Naftali Presser (Summer 2008)
- 15.) Nancy Hsu (Summer 2008 & 2009)
- 16.) Alexandra Shawo (2008 - 2010)
- 17.) Benjamin Rayikanti (Summer 2011, 2012, 2013 & 2015)
- 18.) Oliver Bellevue (June 2011 – May 2014)
- 19.) Jenette Haerptyan (October 2012 – August 2014)

NON-UNIVERSITY ACTIVITIES:

- 1994 - present Ad Hoc reviewer, Archives of Surgery, Critical Care Medicine, Digestion, Digestive Diseases and Science, Hepatology, Indian Journal of Surgery, Journal of the American College of Surgeons, Journal of the American Medical Association, Journal of Clinical Investigation, Journal of Gastroenterology and Hepatology, Journal of Infectious Diseases, Pharmacology and Toxicology, Surgery and Clinical Infectious Diseases.

1995 - 1998 Section Editor, General Surgery for Advances in Gastroenterology, Hepatology, and Clinical Nutrition
2000 - 2001 Program Director, San Francisco Surgical Society
2001 - 2003 Councilor, Association for Academic Surgery
2001 - 2008 Committee on Applicants, Northern California Chapter, American College of Surgeons
2001 - 2004 Secretary-Treasurer, Northern California Chapter, American College of Surgeons
2002 - 2006 Editorial Board, Journal of Surgical Research
2003 - 2006 Membership Committee, Surgical Infection Society
2003 - present Member, Research Advisory Board, Shriners Hospitals for Children
2004 President-elect, Northern California Chapter, American College of Surgeons
2004 - 2005 Secretary-Treasurer, San Francisco Surgical Society
2005 President, Northern California Chapter, American College of Surgeons
2005 - 2008 Clinical Councilor, Shock Society
2005 - 2008 Member, Program Committee, American HepatoPancreaticobiliary
2006 - 2008 Governor-at-Large from California, American College of Surgeons
2006 - present Associate Editor, HPB Surgery
2007 - 2009 Program Committee, Surgical Infection Society
2007 - 2008 Co-Chair, Research Advisory Board, Shriners Hospitals for Children
2008 - present Chair, Research Advisory Board, Shriners Hospitals for Children
2008 - present Chair, Burns Subcommittee, Shriners Hospitals for Children
2011 - 2013 Member, Program Committee, Society for Surgery of the Alimentary Tract

MEMBERSHIP ON FEDERAL GOVERNMENT PUBLIC ADVISORY COMMITTEES:

2000 Member, Special Emphasis Panel ZGM1 PPBC, NIH-NIGMS
2002 Chair, Special Emphasis Panel ZGM1 PPBC, NIH-NIGMS
2003 Member, Special Emphasis Panel ZGM1 TB-6 (03)(P), NIH-NIGMS
2004 Chair, Special Emphasis Panel ZRG1 IDM-N (90), NIH-NIGMS
2004 Member, Special Emphasis Panel ZGM1 TB-5 (3P), NIH-NIGMS
2005 (Mar) Member, Special Emphasis Panel ZGM1 PPBC-5 (TB), NIH-NIGMS
2005 (Nov) Chair, Special Emphasis Panel ZGM1 PPBC-5 (TB), NIH-NIGMS
2006 Chair, Special Emphasis Panel ZGM1 PPBC-5 (TB), NIH-NIGMS
2006 Member, Special Emphasis Panel ZGM1 BRT-1 (LR), NIH-NIGMS
2006 - 2007 Ad Hoc member, Surgery, Anesthesiology & Trauma Study Section, NIH-NIGMS
2007 - 2011 Member, Surgery, Anesthesiology & Trauma Study Section, NIH-NIGMS
2007 Reviewer, National Institutes of Health Director's Pioneer Awards
2007 Reviewer, National Institutes of Health Director's New Innovator Awards
2008 Reviewer, National Institutes of Health Director's Pioneer Awards
2008 Reviewer, National Institutes of Health Director's New Innovator Awards
2009 Chair, Special Emphasis Panel ZGM1 PPBC-5 (TB), NIH-NIGMS
2010 Chair, Special Emphasis Panel ZGM1 PPBC-5 (BN), NIH-NIGMS
2011 Consultant, General and Plastic Surgery Devices Panel, Federal Drug Administration
2011 Consultant, Medical Devices Advisory Committee, Federal Drug Administration
2011 Consultant, Center for Devices and Radiological Health
2011 Reviewer, National Institutes of Health Director's Pioneer Awards
2012 Reviewer, National Institutes of Health Director's Pioneer Awards
2013 - 2015 Chair, NIH, Surgery, Anesthesiology & Trauma Study Section, Center for Scientific Review, Chair

- 2013 - 2017 FDA, LCDR, US Public Health Service, Center for Devices and Radiological Health, General and Plastic Surgery Devices Review Division, General and Plastic Surgery Devices Advisory Committee.
- 2015 Reviewer, National Institutes of Health Director's Pioneer Awards

PAST RESEARCH EXPERIENCE:

- 1978 - 1979: Senior Honors Thesis; under the auspices of Dr. John Hedley-Whyte, Chairman of the Anesthesia, Department, Beth Israel Hospital, Boston, MA. "*Effect of Morphine Sulphate on the Metabolism of 2-deoxy-D-glucose in Rat Brain*".
- 1982 - 1984: Honors Thesis in a Special Field; under the director of Dr. Kenneth C. Hayes, Chairman, Biochemistry Department, Brandeis University, Boston, MA, and Dr. Michael Stemerman, Department of Medicine, Beth Israel Hospital, Boston, MA. "*Atherogenesis and the Effects of Dietary lipid on Platelet Function in Nonhuman Primates*".
- 1987 - 1991: Research Fellowship, under the direction of Drs. John P. Kane and Joseph H. Rapp, Cardiovascular Research Institute, University of California, San Francisco. "*The Role of Postprandial Lipoproteins and the Liver in Sepsis*".

CURRENT RESEARCH:

Examination of the cellular response to acute injury with a focus on, i) the immunomodulatory role of triglyceride-rich lipoproteins and apolipoprotein E in the host response to infection, ii) management and prevention of ventral hernias, iii) sepsis and autoimmunity, and iv) inflammatory diseases of the pancreas.

PUBLICATIONS:

PEER-REVIEW ARTICLES

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CHAPTERS

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ABSTRACT PRESENTATIONS

1. Harris HW, Rapp JH, Kunitake ST, Krupski WC and Kane JP. Modified low density lipoprotein isolated from fresh human atherosclerotic plaque. Read before the Forum on Fundamental Surgical Problems, American College of Surgeons, Chicago, Illinois, October 23-28, 1988.
2. Harris HW, Rapp JH, Reilly LM, Orlando PA, Krupski WC and Goldstone J. Saphenous vein bypass to pedal arteries. Read before the 60th Annual Meeting of the Pacific Coast Surgical Association, Vancouver, Canada, February 22, 1989.

3. Harris HW and Rapp JH. Chylomicrons neutralize endotoxin activity. Read before the 32nd Annual University Surgical Resident's Conference, Society of University Surgeons, Los Angeles, California, February 10, 1990.
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6. Harris HW, Grunfeld C, Feingold KR and Rapp JH. Mechanism of protection against endotoxemia by chylomicrons in rats. Read before the Society of Black Academic Surgeons, Boston, Massachusetts, April 7-9, 1991.
7. Jarnagin WR, Mulloy R, Harris HW, Bossart J, Heer W and Hickey M. Malnutrition in AIDS-related PCP pneumothorax. J Am Coll Nutrition 1993;12:596.
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9. Sperling RM, Koch J, Harris HW, Sandhu and Cello JP. Role of therapeutic ERCP in the management of recurrent pyogenic cholangitis (RPC). Poster presentation before the Annual Meeting of the American Society for Gastrointestinal Endoscopy, San Diego, California, May 14-17, 1995.
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11. Ghermay AP, Brady S, Harris HW, Havel R and Rapp JH. Sepsis increases endocytosis of endotoxin by
12. hepatocytes. Presentation before the Annual Meeting of the Society of University Surgeons, Washington, D.C., February 8-10, 1996.
13. Harris HW, Rockey DC, Chau PL, Kane JP and Rapp JH. Effect of chylomicrons on the clearance of endotoxin by hepatocytes. Presentation before the Forum on Fundamental Surgical Problems, American College of Surgeons, San Francisco, California, October 6-11, 1996.
14. Harris HW. Fasting and postprandial lipoproteins abrogate the effects of endotoxin in humans. Presented at the Fourth International Congress on the Immune Consequences of Trauma, Shock and Sepsis, Munich, Germany, March 4-8, 1997.
15. Harris HW and Chau PL. Endogenous hypertriglyceridemia protects against endotoxin. Presented at the Seventh Annual Scientific Assembly, Society of Black Academic Surgeons, Buffalo, New York, April 9-12, 1997.
16. Harris HW, Chau PL, Rapp JH, Kane JP and Rockey DC. Chylomicrons alter the clearance and response to endotoxin by hepatocytes. Presented at the Annual Meeting during Digestive Disease Week, Washington, D.C., May 11-14, 1997.
17. Kumwenda ZL, Welch WJ, and Harris HW. Chylomicron-bound endotoxin inhibits hepatocellular nitric oxide production by inhibiting nuclear factor κ B activation in rats. Presented at the Forum on Fundamental Surgical Problems, American College of Surgeons, Orlando, Florida, October 24-29, 1998.
18. Kumwenda ZL, Welch WJ, and Harris HW. Chylomicrons can regulate hepatic gene expression. Presented at annual meeting of the Society of Black Academic Surgeons, Louisville, Kentucky, March 18-20, 1999.
19. Gosnell JE, Welch WJ, and Harris HW. The extracellular matrix can regulate the hepatocellular response to cytokines. Presented at annual meeting of the Society of Black Academic Surgeons, Louisville, Kentucky, March 18-20, 1999.

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26. Harris HW, Johnson JA, Lee DH, and Welch WJ. Heat shock regulates NF- κ B activation. Presented at the annual meeting of the Association for Academic Surgery, Milwaukee, WI, November 15-17, 2001.
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31. Kasravi FB and Harris HW. Apolipoprotein E isoforms predict the hepatic response to sepsis. Presented at the Forum on Fundamental Surgical Problems, American College of Surgeons, San Francisco, California, October 6-10, 2002.
32. Kasravi FB, Lee D and Harris HW. Chylomicron-bound LPS selectively inhibits the hepatocellular response to proinflammatory cytokines. Presented at the 23rd Annual Meeting of the Surgical Infection Society, San Antonio, Texas, April 10-12, 2003.
33. Kasravi FB and Harris HW. Lipoprotein-bound endotoxin exerts an immunomodulatory effect on hepatocytes through the lipid A domain of LPS. Presented at the 23rd Annual Meeting of the Surgical Infection Society, San Antonio, Texas, April 10-12, 2003.
34. Spitzer AL, Victorino GP, Kasravi F, Curran B, Chang J and Harris HW. Chylomicron-bound LPS inhibits tumor necrosis factor-induced capillary leak in vivo. Presented at the 38th Annual Meeting of the Association for Academic Surgery, Houston, Texas, November 11-13, 2004.
35. Carpino CE, Schell MT, Kasravi KF, Spitzer AL and Harris HW. Cecal ligation and perforation is associated with adrenal insufficiency in rats. Presented at the 38th Annual Meeting of the Association for Academic Surgery, Houston, Texas, November 11-13, 2004.

36. Mukhtar RA, Kasravi FB and Harris HW. Chylomicron-lipotechoic acid complexes induce cytokine tolerance in primary rat hepatocytes. Presented at the 25th Annual Meeting of the Surgical Infection Society, Miami, Florida, May 5-7, 2005.
37. Spitzer AL, Victorino G, Lee D, Kasravi B, Curran B, and Harris H. Lipoprotein-bound endotoxin moderates microvascular permeability. Presented at the 56th Annual Sessions of the Surgical Forum 2005 Clinical Congress, San Francisco, CA, October 16-20, 2005.
38. Maa J, Gosnell JE, Harris HW and Gibbs VC. Revising the leapfrog initiative: exporting surgical excellence for whipple resection. Presented at the 1st Annual Academic Surgical Congress, San Diego, CA, February 7-11, 2006.
39. Paydar KZ, Harris HW, Hansen SL, Charlebois ED and Young DM. Inappropriate antibiotic use in uncomplicated soft tissue infections. Presented at the 77th Annual Meeting of the Pacific Coast Surgical Association, San Francisco, CA, February 17-20, 2006.
40. Mohebal K, Hansen SL, Maa J, Young DM, Freise CE, Chang D and Harris HW. Recurrence rate and complications of open incisional hernia repair at an academic tertiary care medical center. Presented at the 80th Annual Meeting of the Pacific Coast Surgical Association, San Francisco, CA, February 13-16, 2009.
41. Chuang K, Kattan O, Leung B, Presser N, and Harris HW. Apolipoprotein E regulates septic mortality in mice. Society of Black Academic Surgeons. April 4, 2009. Seattle, WA.
42. Chuang K, Elford E, and Harris HW. Endogenous ligands contribute to natural killer T cell activation. Society of Black Academic Surgeons. April 4, 2009. Seattle, WA.
43. Chuang K, Elford E, and Harris HW. Endogenous ligands contribute to natural killer T cell activation. Shock Society. June 9, 2009. San Antonio, TX.
44. Chuang K, Hsu N, Leung B, Bien-Ly N, Raffai R, and Harris HW. Heparin protects against septic mortality via apoE antagonism. AAS-SUS (Academic Surgical Congress). February 3, 2010. San Antonio, TX.
45. Chuang K, Corley D, Postlethwaite D, Merchant M, and Harris HW. Does increased experience with laparoscopic cholecystectomy yield more complex bile duct injuries? Pacific Coast Surgical Association. February 14, 2010. Kapalua, Maui.
46. Chuang K, Hsu N, Leung B, Bien-Ly N, Raffai R, and Harris HW. Heparin protects against septic mortality via apoE antagonism. UCSF Resident Research Symposium. March 12, 2010. San Francisco, CA.
47. Chuang K, Corley D, Postlethwaite D, Merchant M, and Harris HW. Does increased experience with laparoscopic cholecystectomy yield more complex bile duct injuries? Alameda County Medical Center Surgery/Emergency Medicine Resident Research Day. March 24, 2010. Oakland, CA.
48. Chuang K, Leung B, Hsu N, and Harris HW. Heparin protects against septic mortality via apoE antagonism. American College of Surgeons. October 5, 2010. Washington, D.C.
49. Brown IE, Shawo A, Bellevue O, Rayikanti B, Abram C and Harris HW. Low dose cyclophosphamide improves survival in a treatment model of sepsis. Shock Society. June 9-13, 2012. Miami Beach, FL.
50. Seiser N, Kasravi S, Leung B, Primus F and Harris HW. Apolipoprotein E deficiency protects against septic mortality. Shock Society. June 9-13, 2012. Miami Beach, FL.
51. Brown IE, Shawo A, Bellevue O, Rayikanti B and Harris HW. Low dose cyclophosphamide augments survival in a murine treatment model of severe sepsis. American College of Surgeons. September 30 – October 3, 2012. Chicago, IL.
52. Primus F, Shin US, Thoeni R and Harris H. Short- and long-term results of blunt necrosectomy for necrotizing pancreatitis. Pacific Coast Surgical Association. February 16-19, 2013. Kauai, HI.
53. Woldesemayat H, Yano J and Harris H. ApoE regulates pathogen clearance in mice. Society of Black Academic Surgeons. April 25-27, 2013. Jackson, MS.
54. Kasravi S and Harris HW. ApoE mediates septic mortality in mice by a natural killer (NKT) T cell-dependent mechanism. Society of Black Academic Surgeons. April 25-27, 2013. Jackson, MS.

55. Carter J, Kaplan J, Nguyen J, Lin M, Rogers S and Harris H. A prospective, randomized, controlled trial of single-incision laparoscopic (SILS) versus conventional 3-port laparoscopic appendectomy for the treatment of acute appendicitis. American College of Surgeons, October 6-10, 2013, Washington, D.C.
56. Irwin CS, Xu X, Hoffman WY and Harris H. Preoperative progressive pneumoperitoneum for the treatment of gigantic ventral hernias. American Association of Plastic Surgeons, April 5-8, 2014, Miami, FL.
57. Lee MH and Harris HW. ApoE mediates septic mortality in mice by regulating macrophage phenotype and activity. Shock Society, June 7-10, 2014, Charlotte, North Carolina.
58. Kasravi S and Harris HW. ApoE and NKT cells mediate serum creatinine levels in mice during sepsis. Shock Society, June 7-10, 2014, Charlotte, North Carolina.
59. Lyo V, Tufaga M, Shin UK, Primus F and Harris H. Wound class does not alter recurrence in complex ventral hernia repair with mesh: a single-center retrospective review. 1st World Conference on Abdominal Wall Hernia Surgery, April 25-29, 2015, Milan, Italy.
60. Lyo V, Irwin C, Xu X and Harris H. Safe and effective management of massive ventral hernias with preoperative progressive pneumoperitoneum: a tertiary care hospital experience. 1st World Conference on Abdominal Wall Hernia Surgery, April 25-29, 2015, Milan, Italy.
61. Wong A, Lee S, Nathan NS, Wang F, Hansen SL, Harris HW and Sbitany H. Postoperative prophylactic antibiotic use following ventral hernia repair with placement of surgical drains reduces postoperative surgical site infection rate.
62. Lyo V, Tufaga M, Shin U, Primus F, Fong S and Harris HW. Wound class does not alter recurrence in complex ventral hernia repair with mesh: a single-center retrospective review. Pacific Coast Surgical Association. February 13-16, 2016, Kohala Coast, HI

MOTION PICTURES/VIDEOS

1. Harris HW, Way LW, Patti MG, Gantert WA, Yamagata S, and Arcerito M. Laparoscopic Repair of a paraesophageal hernia. Shown as part of the Symposium on Unusual Problems in Surgery, Motion Picture Exhibitions. American College of Surgeons, Chicago, Illinois, October 12-17, 1997.
2. Harris HW and Corvera C. VIPoma. Shown as part of the UCSF Postgraduate Course in General Surgery, Video Session, San Francisco, CA, March 27-29, 2008.

GRANT SUPPORT

Active

T32 DK007573 Harris (PI) 07/01/15 – 06/30/20

NIH - NIDDK

Research training in gastrointestinal surgery

Program provides robust, mentored training experience for residents in general surgery who are interested in careers as clinician-scientists.

Role: Program Director

1 R21 DK093006 Harris (PI) 07/15/13-06/30/16

NIH/NIDDK

Complex Ventral Hernia Repair

The major goal of this project is to investigate the pathophysiology and clinical management of complex ventral hernias, comparing the efficacy, safety and cost of a permanent, synthetic prosthetic versus a biologic prosthetic for the one-stage repair of ventral hernias in the setting of wound contamination.

Role: PI

R01AI118694 (Betts) Betts (PI) 06/15/15-05/31/20

NIH/NIAID

Viral control mechanisms of HIV-specific T cells in HIV-infected lymph node

The major goal of this project is to provide critical information for therapeutic manipulation, engineering, or vaccine-mediated strategies designed to induce HIV-specific CD8+ T cells capable of homing to appropriate regions of the LN in order to eliminate HIV reservoirs.

Role: Co-Investigator

Pending

1 R01 DK108023 Harris (PI)

NIH/NIDDK

Complex Ventral Hernia Repair

The major goal of this project is to investigate the pathophysiology and clinical management of complex ventral hernias, comparing the efficacy, safety and cost of a permanent, synthetic prosthetic versus a biologic prosthetic for the one-stage repair of ventral hernias in the setting of wound contamination.

Role: PI

Inactive

1R01GM57463-10 (Harris, H.W.) 4/1/99-01/31/09

NIH

\$212,500.

Lipoproteins modulate the hepatic response to endotoxin.

Examines the role of triglyceride-rich lipoproteins as potential components of the innate host response to endotoxin, including as regulators of the hepatocellular acute phase response.

REAC Grant 525525-38198 (Harris, H.W.) 12/01/94-06/30/96

UCSF

\$15,161.

Effect of hypertriglyceridemia on endotoxemia in humans.

Academic Senate Grant 505563-35954 (Harris, H.W.) 11/01/94-06/30/95

UCSF

\$14,446.

Role of triglyceride-rich lipoproteins and the liver in sepsis.

Minority Medical Faculty Development Award (Harris, H.W.) Robert Wood Johnson Foundation Triglyceride-rich lipoproteins and sepsis.	07/01/94-06/30/98 \$315,432.
Faculty Fellowship (Harris, H.W.) American College of Surgeons Role of the liver and lipoproteins in sepsis.	07/01/94-06/30/96 \$59,973.
IND D06-215-34 (Harris, H.W.) British Biotech A double-blind, randomized, placebo-controlled, multi-center trial to evaluate the efficacy and safety of two doses of lexipafant for the treatment of acute pancreatitis.	04/01/96-3/30/97 \$263,286.
IND C03-128-30 (Harris, H.W.) British Biotech	09/01/96-08/31/97 \$94,133.
IND C03-IVB-193 (Harris, H.W.) British Biotech A double-blind, placebo-controlled, randomized study comparing gemcitabine and marimastat versus gemcitabine and placebo as first line therapy in patients with locally advanced or metastatic pancreatic cancer.	07/01/97-11/30/98 \$4,038.
IND 0910A6-302-USA (Harris, H.W.) Wyeth-Ayerst A randomized, double-blind, multicenter comparison study of the efficacy and safety of Piperacillin/Tazobactam to Imipenem/Cilastatin administered intravenously every eight hours to treat intra-abdominal infections in hospitalized patients.	08/01/97-07/31/98 \$8,030.
IND BPTR335S9701 (Harris, H.W.) XOMA Efficacy and safety of rBPI ₂₁ in patients with hemorrhage due to trauma.	03/01/98-02/28/99 \$39,173.
IND (no award/contract number) StressGen Biotechnologies Experimental models of cytoprotection.	10/19/98-10/19/01 \$112,275.
IND H4Q-MC-ARRD LY333328 (Harris, H.W.) Eli Lilly LY333328 versus Vancomycin in skin and skin-structure infections.	01/12/99-04/30/01 \$334,153.
REAC Grant 505602-34426 (Harris, H.W.) UCSF Role of the Δ F508 Cystic Fibrosis Transmembrane Conductance Regulator Gene Mutation in the Pathogenesis of Acute Pancreatitis in Rodents.	03/01/02-05/31/03 \$15,000.
H4Q-MC-ARRI (Harris, H.W.) Intermune Oritavancin (LY333328) Versus Vancomycin in Complicated Skin/Skin-Structure Infections Examines the role of a glycopeptide antibiotic in the treatment of severe skin and skin structure infections.	9/1/01-04/30/03 \$460,095.

OVERLAP: Similar patient population as studied in the Wyeth antibiotic trial.

IND (Harris, H.W.)

9/1/01-3/30/04

Wyeth

\$110,240.

A Multicenter, Randomized, Double-blind Comparison of the Safety and Efficacy of GAR-936 with those of Vancomycin with Aztreonam to Treat Complicated Skin and Skin Structure Infections in Hospitalized Patients.

Examines the role of a semi-synthetic tetracycline antibiotic in the treatment of severe skin and skin structure infections in hospitalized patients.

OVERLAP: Similar patient population as studied in the Lilly antibiotic trial.

U19 GM061390

Giacomini (PI)

07/15/10 – 06/30/15

NIH

Pharmacogenetics of membrane transporters

The major goals of this project are to characterize the expression of membrane transporters in liver from a diverse population of subjects.

Role: Co-Investigator

1 R01 GM095967-01A1

Harris (PI)

08/15/10-07/31/15

Lipoproteins and microbial immunity

NIH - NIGMS

Examines the role of apolipoprotein E in the host immune response to microbial infection through the recognition and presentation of pathogenic lipid antigens to natural killer T (NKT) cells using an *in vivo* model of polymicrobial sepsis.

Role: PI

BIOENTREPRENEURSHIP

2009 Inventor, MYOSEAL – a product design to prevent incisional hernias through enhanced wound healing.
2012 Founder, Vitruvian Medical Devices, Inc.
2015 Clinical Advisor, Potrero Medical

PATENTS

2016 United States Patent No. 9,333,245 (issued May 10, 2016): *Methods and Compositions for Treating Wounds and Reducing the Risk of Incisional Hernias*