

BIOGRAPHICAL SKETCH

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NAME Colletti, Lisa Marie	POSITION TITLE Professor		
eRA COMMONS USER NAME (credential, e.g., agency login)			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Michigan, Ann Arbor, MI	BS	1981	Biology
University of Michigan, Ann Arbor, MI	MD	1985	Medicine

A. Positions and Honors

Professional Experience

1985-1991 Surgical Residency, University of Michigan Hospitals, Ann Arbor, Michigan
 1990-1991 Administrative Chief Resident, University of Michigan Hospitals, Ann Arbor, Michigan
 1991-1996 Assistant Professor, Department of Surgery, University of Michigan
1996-2004 Associate Professor with tenure, Department of Surgery, University of Michigan
2000-2003 Associate Chair for Education, Department of Surgery, University of Michigan
2001-2007 Chief, Division of GI Surgery, Department of Surgery, University of Michigan
2001-2003 General Surgery Residency Program Director, Dept. of Surgery, Univ. of Mich.
2003-present Associate Dean and Director of Graduate Medical Education, Univ. of Mich.
2004-present Professor with tenure, Department of Surgery, University of Michigan

Honors and Awards

1981 University of Michigan B.S. degree in Biology, graduated with distinction.
 1984 Alpha Omega Alpha Honor Society (elected Junior year).
 1985 University of Michigan Medical School C. Gardner Child Award for Outstanding Student in the Department of Surgery.
 1989 Frederick A. Collier Resident Research Award.
 1991 James A. Crudup Award for the chief resident who demonstrated the most outstanding research accomplishments during residency training.
 1998 "Cytokine Cascades in Hepatic Ischemia/Reperfusion (I/R)-Induced Lung and Liver Injury". Abstract selected for presentation at the 50th Anniversary Celebration of National Heart, Lung, and Blood Institute at American Thoracic Society Annual Meeting.
 1999 Recipient of a \$5,000 Career Development Award from a fund established under the Michigan Agenda for Women.
 2000 Recipient of the Kaiser Permanente Award for Excellence in Clinical Teaching- University of Michigan Medical School.
 2000-2002 Elected as Galen's Medical Student Society Honorary (faculty advisor).
 2001 Associate for Surgical Education "Outstanding Teacher Award."
 2003 Elected to "Best Doctors."
 2005-present C. Gardner Child Professor of Surgery (endowed Chair)

B. Selected Bibliography (Peer reviewed; selected from 56)

1. Strieter RM, Remick DG, Ham J, **Colletti LM**, Lynch J, Kunkel SL. TNF-alpha gene expression in human whole blood. *J Leuk Biol* 47:366-370, 1990.
2. **Colletti LM**, Remick DG, Burtch GD, Kunkel SL, Strieter RM, Campbell DA. The role of tumor necrosis factor alpha in the pathophysiologic alterations following hepatic ischemia/reperfusion injury in the rat. *J Clin Invest* 85:1936-1943, 1990.
3. **Colletti LM**, Burtch GD, Campbell DA. Prostaglandin E₂ appears to offer protection to an isolated perfused rabbit liver from oxygen free radical induced injury. *Transplant Proc* 22:2381-2383, 1990.
4. **Colletti LM**, Burtch GD, Remick DG, Kunkel SL, Strieter RM, Guice KS, Oldham KT, Campbell DA. Production of tumor necrosis factor alpha and the development of a pulmonary capillary injury following hepatic ischemia/reperfusion. *Transplantation* 49:268-272, 1990.
5. Merion RM, **Colletti LM**. Hyperacute rejection in porcine liver transplantation. I. Clinical characteristics, histopathology, and disappearance of donor-specific lymphocytotoxic antibody from serum. *Transplantation* 49:861-868, 1990.
6. **Colletti LM**, Remick DG, Campbell DA. LPS pretreatment protects from hepatic ischemia/reperfusion. *J Surg Res* 57:337-343, 1994.
7. **Colletti LM**, Johnson KJ, Kunkel RG, Merion RM. Mechanisms of hyperacute rejection in porcine liver transplantation. Antibody-mediated endothelial injury. *Transplantation* 57:1357-1363, 1994.
8. Remick DG, **Colletti LM**, Scales WA, McCurry KR, Campbell DA Jr. Cytokines and extrahepatic sequelae of ischemia/reperfusion injury to the liver. *Ann NY Acad Sci* 723:271-283, 1994.
9. **Colletti LM**, Remick DG, Campbell DA Jr. Desferal attenuates TNF release following hepatic ischemia/reperfusion. *J Surg Res* 57:447-453, 1994.
10. **Colletti LM**, Kunkel SL, Walz A, Burdick MD, Kunkel RG, Wilke CA, Strieter RM. Chemokine expression during hepatic ischemia/reperfusion-induced lung injury in the rat: the role of epithelial neutrophil activating protein. *J Clin Invest* 95:134-141, 1995.
11. **Colletti LM**, Kunkel SL, Walz A, Burdick MD, Kunkel RG, Wilke CA, Strieter RM. The role of cytokine networks in the local liver injury following hepatic ischemia/reperfusion in the rat. *Hepatology* 23:506-514, 1996.
12. Strieter RM, Standiford TJ, Huffnagle GB, **Colletti LM**, Lukacs NW, Kunkel SL. The good, the bad, and the ugly: the role of chemokines in models of human disease. *J Immunol* 156:3583-3586, 1996.
13. **Colletti LM**, Kunkel SL, Greene M, Burdick MD, Strieter RM. Removal of the ischemic lobe following hepatic ischemic/reperfusion does not eliminate the pathophysiologic changes associated with hepatic ischemia/reperfusion. *Shock* 5:371-377, 1996.
14. **Colletti LM**, Kunkel SL, Green M, Burdick M, Strieter RM. Hepatic inflammation following 70% hepatectomy may be related to upregulation of epithelial neutrophil-activating protein-78. *Shock* 6:397-402, 1996.
15. Simpson KJ, Lukacs NW, **Colletti L**, Strieter RM, Kunkel SL. Cytokines and the liver. *J Hepatology* 27:1120-1132, 1997.
16. **Colletti LM**, Cortis A, Lukacs N, Kunkel SL, Green M, Strieter RM. TNF upregulates ICAM-1, which is important in the neutrophil-dependent lung and liver injury associated with hepatic ischemia and reperfusion in the rat. *Shock*. 10:182-191, 1998.
17. **Colletti LM**, Green M, Burdick M, Kunkel Steven, Strieter RM. Proliferative effects of CXC chemokines in rat hepatocytes in vitro and in vivo. *Shock* 10:248-257, 1998.
18. **Colletti, LM**. The role of chemokines in liver inflammation. Invited review. *Drug News and Perspectives* 12:5-11, 1999.
19. Hogaboam CM, Bone-Larson CL, Steinhauser ML, **Colletti LM**, Lukacs NW, Strieter RM, Simpson KJ, Kunkel SL. Novel CXCR2-dependent liver regenerative qualities of ELR-containing CXC chemokines. *FASEB J* 13:1565-1574, 1999.
20. **Colletti LM**, Green ME, Burdick MD, Strieter RM. The ratio of ELR+ to ELR- CXC chemokines affects the neutrophil-dependent lung and liver injury following hepatic ischemia/reperfusion. *Hepatology* 31:435-445, 2000.

21. Bone-Larson CL, Simpson KJ, **Colletti LM**, Lukacs NW, Chen SC, Lira S, Kunkle SL, Hogaboam CL. The role of chemokines in the immunopathology of the liver. *Immunol Rev* 177:8-20, 2000.
22. **Colletti LM**, Green M. Lung and liver injury following hepatic ischemia/reperfusion in the rat is increased by exogenous LPS which also increases hepatic TNF production both in vivo and in vitro. *Shock* 16:312-319, 2001.
23. Ren X, Green M, **Colletti LM**. CXC chemokine expression following stimulation with gamma-interferon in primary rat hepatocytes in culture. *Shock* 17:513-520, 2002.
24. Ren X, Carpenter A, Hogaboam C, **Colletti LM**. Mitogenic properties of endogenous and pharmacologic doses of MIP-2 following 70% hepatectomy in the mouse. *Am J Path* 163:563-570, 2003.
25. Ren X, Hogaboam C, Carpenter A, **Colletti LM**. Stem cell factor restores hepatocyte proliferation in IL-6 knock out mice following 70% hepatectomy. *J Clin Invest* 112:1407-1418, 2003.
26. Ren C, Olle EW, McClintock S, Warner RL, Senior RM, Shipely JM, Carpenter A, Johnson KJ, **Colletti LM**. MMP-9 as an important factor in hepatic regeneration following partial hepatectomy. *Hepatology*. 44:540-549, 2006.
27. Absood A, Hu B, Bassily N, **Colletti LM**. VIP inhibits human HepG2 cell proliferation in vitro. *Regulatory Peptides*. 146:285-292, 2008.
28. Hu B, **Colletti LM**. Stem cell factor and c-kit are involved in hepatic recovery after acetaminophen-induced liver injury in mice. *Am J Physiology-Gastrointestinal and Liver Physiol*. 295:G45-G53, 2008.
29. Ren X, Bin H, **Colletti LM**. Stem cell factor and its receptor, c-kit, are important for hepatocyte proliferation in wild type and TNF receptor-1 knock out mice after 70% hepatectomy. *Surgery*. 143:790-802, 2008.

C. Research Projects Ongoing or Completed During the Last Three Years

1. National Institutes of Health: 1R01 DK58106, "SCF in liver repair after hepatectomy or toxic injury." 7/1/02-6/30/07. Principal Investigator.

The major goal of this study are to study the expression production and cellular source of hepatic SCF and its receptor c-kit, following 70% hepatectomy or acetaminophen-induced liver injury, to examine the regulation of transmembrane versus soluble SCF and its receptor, c-kit, to investigate SCF's effects and mechanism of action on hepatocyte apoptosis and proliferation after toxic or traumatic liver injury and to investigate the interactions of SCF and IL-6 in the liver's recovery from toxic or traumatic injury.

2. National Institutes of Health: 1R01DK53224, "CXC Chemokines and Liver Regeneration." 12/1/97 - 03/31/09. Principal Investigator.

The major goal of this study is to investigate the effects of the CXC chemokines on liver repair and regeneration following 70% hepatectomy. The current proposal is a competing renewal application for this project.