

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.
Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Erin Rubin Ochoa, MD, FCAP	POSITION TITLE Assistant Professor		
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
Oxford College of Emory University, Oxford, GA	A.A.	1989	Associate of Arts
Emory University, Atlanta, GA	B.A./B.A.	1990	Biology and Anthropology
Emory University School of Medicine, Atlanta, GA	M.D.	1996	Doctor of Medicine
Massachusetts General Hospital, Boston, MA	Board Certification	1996-2000	Anatomic and Clinical Pathology

Employment

1991-1996	Medical Student. Emory University School of Medicine. Atlanta, GA
1993-1994	Post-sophomore Year Fellow in Pathology. Department of Pathology. Tulane University School of Medicine, New Orleans, LA
1996-2000	Clinical Fellow in Pathology, Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA
1999-2001	Research Fellow, Department of Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA
2000-2001	Graduate Assistant in Pathology, Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA
2002-2004	Assistant Professor in Pathology, Department of Pathology, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, NY
2004-Present	Assistant Professor in Pathology, Department of Pathology, University of Pittsburgh College of Medicine, Pittsburgh, PA

Honors

1994	Award for Academic Excellence and Achievement, American Society of Clinical Pathologists
2000, 2001	Partners in Excellence Award, Tissue Engineering and Organ Fabrication Laboratory, Massachusetts General Hospital, Boston, MA
2001	Young Pathologists Spokesperson Training Program, College of American Pathologists, Chicago, IL
2003	Political Advocacy Training Award, College of American Pathologists, Washington, DC
2004	Physician's Recognition Award, American Medical Association, Chicago, IL [pending]

Professional Societies

1993-1994	Greater New Orleans Pathology Society
1991-2001	American Medical Association
1993-Present	College of American Pathologists
1993-2003	American Society of Clinical Pathologists
1996-2002	Massachusetts Medical Society
1998-2003	Academy of Clinical Laboratory Physicians and Scientists
2000	Tissue Engineering Society
2000	Materials Research Society
2003-2004	New York Pathology Society
2004-Present	Hans Popper Hepatopathology Society

Publications

ORIGINAL RESEARCH

Rubin, E.M., DeRose, P.B., Cohen, C. (1994): Comparative image cytometric DNA ploidy of liver cell dysplasia and hepatocellular carcinoma. *Modern Pathology* 7(6):677.

Rubin, E.M., Martin, A.A., Thung, S.N., Gerber, M.A. (1995) Morphometric and immunohistochemical characterization of human liver regeneration. *American Journal of Pathology*, 147(2):397-404.

Kairhara, S., Borenstein, J., Koka, R., Lalan, S., **Ochoa, E.R.**, Ravens, M., Pien, M., Cunningham, B., Vacanti, J.P. (2000) Silicon micromachining to tissue engineer branched vascular channels for liver fabrication. *Tissue Engineering* 6(2):105-117.

Griksheit, T.C., **Ochoa, E.R.**, Ramsanahie, A., Whang, E.E., Vacanti, J.P. (2001). Tissue engineered colon: characterization and comparison to native colon. *Current Surgery* 58(6):560.

Mullins, M.E., Chao, S., **Ochoa, E.R.**, Slanetz, P.J. (2001) Ovarian Carcinoma. *AJR Am J Roentgenol* 177(1):130.

Ochoa, E.R., Harris, N.L., Pilch, B.Z. (2001) Marginal zone B-cell lymphoma of the salivary gland arising in chronic sclerosing sialadenitis (Küttner tumor). *The American Journal of Surgical Pathology* 25(12): 1546-1550.

Kairhara, S., Ogawa, K., Koka, R., Lalan, S., **Ochoa, E.R.**, Alsberg, E., Mooney, D.J., Tanaka, K., Ravens, M., Vacanti, J.P. (submitted for publication) In vitro neomorphogenesis of liver tissue on biodegradable polymer scaffolds under dynamic flow culture conditions. *Gastroenterology*.

Terai, H., Hannouche, D., **Ochoa, E.R.**, Yamano, Y., Vacanti, J.P. (2002) In vitro engineering of bone using a rotational oxygen-permeable bioreactor system. *Materials Science and Engineering* 20(1-2):3-8.

Fuchs, J.R., Terada, S., **Ochoa, E.R.**, Vacanti, J.P., Fauza, D.O. (2002) Fetal tissue engineering: in utero tracheal augmentation in an ovine model. *J Pediatr Surg* 37(7):1000-6; discussion 1000-6.

Grikscheit, T.C., Ogilvie, J.B., **Ochoa, E.R.**, Alsberg, E., Mooney, D., Vacanti, J.P. (2002) Tissue-engineered colon exhibits function in vivo. *Surgery* 132(2):200-4.

Campo-Ruiz, V., Ochoa, E.R., Lauwers, G.Y., Gonzalez, S. (2002) Evaluation of hepatic histology by near-infrared confocal microscopy: a pilot study. *Hum Pathol* 33(10):975-82.

Fuchs, J.R., Terada, S., Hannouche, D., **Ochoa, E.R.**, Vacanti, J.P., Fauza, D.O. (2002) Engineered fetal cartilage: Structural and functional analysis in vitro. *J Pediatr Surg* 37(12):1720-5.

Terai H, Hannouche D, **Ochoa E**, Yamano Y, Vacanti JP. (2002) in vitro engineering of bone using rotational oxygen-permeable bioreactor system. *Materials Science and Engineering C* 20(1-2):3-8.

Grikscheit TC, **Ochoa ER**, Ramsanahie A, Alsberg E, Mooney D, Whang EE, Vacanti JP. (2003) Tissue engineered large intestine resembles native colon with appropriate in vitro physiology and architecture. *Annals of Surgery* 238(1):35-41.

Grikscheit T, **Ochoa E**, Srinivasan A, Gaisert H, Vacanti JP. (2003) Tissue-engineered esophagus: experimental substitution by onlay patch or interposition. *Journal of Thoracic and Cardiovascular Surgery* 126(2):537-544.

Fuchs JR, Terada S, Hannouche D, **Ochoa ER**, Vacanti JP, Fauza DO. (2003) Fetal tissue engineering: chest wall reconstruction. *Journal of Pediatric Surgery* 38(8):1188-93.

Nasseri BA, Pomerantseva I, Kaazempur-Mofrad MR, Sutherland FW, Perry T, **Ochoa E**, Thompson CA, Mayer JE Jr, Oesterle SN, Vacanti JP. (2003) Dynamic rotational seeding and cell culture system for vascular tube formation. *Tissue Engineering* 9(2):291-9.

Fuchs JR, Pomerantseva I, **Ochoa ER**, Vacanti JP, Fauza DO. (2003) Fetal tissue engineering: In vitro analysis of muscle constructs. *Journal of Pediatric Surgery* 38(9):1348-1353.

Ogawa K, **Ochoa ER**, Borenstein J, Tanaka K, Vacanti JP (2004) The generation of functionally differentiated, three-dimensional hepatic tissue from two-dimensional sheets of progenitor small hepatocytes and nonparenchymal cells. *Transplantation*. 77(12):1783-9.

Grikscheit TC, Siddique A, **Ochoa ER**, Srinivasan A, Alsberg E, Hodin RA, Vacanti JP. [ACCEPTED FOR PUBLICATION] Tissue engineered small intestine improves recovery after massive small bowel resection. *Annals of Surgery*.

NON-EXPERIMENTAL ARTICLES

Ochoa, E.R., Lewandowski, K. (2001) Bilirubin, serum enzymes, albumin and the prothrombin time: their role in the identification of hepatobiliary disorders. *Turnaround Times: Clinical Laboratory Reviews* 7(2):1-5.

Ochoa, E.R., Vacanti, J.P. (2001) Developing a core platform for the tissue engineering of vital organs. *Transplantation Reviews* 15(4):184-99.

Ochoa, E.R., Vacanti, J.P. (2002) An overview of the pathology and approaches to tissue engineering. *Annals of the New York Academy of Sciences* 979:10-27.