

Andrew J. Duffy, M.D.
Curriculum Vitae

Certification and Licensure:

- 2004- Diplomate, American Board of Surgery # 48963
- 2004- State of Connecticut, Department of Public Health, Physician/Surgeon License # 042461
- 2003- University of the State of New York, Education Department, Medicine and Surgery Professional License # 228278
- 1998- Commonwealth of Massachusetts Board of Registration of Medicine #158315
- 1996- American College of Surgeons, Committee on Trauma: Advanced Trauma Life Support Instructor
- 1996- American Heart Association: Advanced Cardiac Life Support, Basic Life Support

Education:

- 7/2003- Minimal Access Surgical Fellowship, Weill Medical College of Cornell University and
- 6/2004 Columbia University College of Physicians and Surgeons, New York, NY
- 7/2002- Chief Resident in General Surgery at the University of Massachusetts Medical School,
- 6/2003 Worcester, MA
- 7/1996- General Surgery Resident at the University of Massachusetts Medical School Surgical
- 6/2002 Residency Program, Worcester, MA
- 6/1996 M.D., University of Massachusetts Medical School, Worcester, MA
- 5/1992 B.S., Biochemistry, Boston College, Chestnut Hill, MA

Academic Positions:

- 12/2004- Interim Associate Program Director, Department of Surgery, Yale University Medical School, New Haven, CT
- 7/2004- Assistant Professor of Surgery, Yale University Medical School, New Haven, CT
- 7/2003- Instructor in Surgery, Weill Medical College of Cornell University, New York, NY
- 6/2004

Hospital Appointments:

- 7/2004- Attending surgeon, Yale-New Haven Hospital, New Haven, CT
- 7/2003- Assistant Attending Surgeon, New York Presbyterian Hospital, New York, NY
- 6/2004

Awards and Honors:

Alpha Omega Alpha national medical honor society
American College of Surgeons, Committee on Trauma, Resident Papers Competition, Massachusetts State Winner, Boston, MA, November 1999.
Phi Beta Kappa
Magna Cum Laude
Scholar of the College
School of Arts and Sciences Honors Program
Mark J. Kennedy Memorial Medical Scholarship recipient
Alpha Epsilon Delta pre-medical honor society
Alpha Sigma Nu national Jesuit honor society
Golden Key National Honor Society

Professional Organizations:

- 2003- Society of Gastrointestinal Endoscopic Surgeons
- 1999- American College of Surgeons, Candidate and Associate Society
- 1998-9 American College of Surgeons, Candidate Group
- 1992-7 American Medical Association
- 1992-7 Massachusetts Medical Society

Research Participation:

- 7/2003- Minimally Invasive Surgery Fellowship: Various clinical and animal studies
6/2004
- 7/1998- Surgical Resident research fellowship: Studied effects of shock and sepsis on human
6/2000 and rat-model neutrophil chemotaxis and transmigration.
- 1993-6 Senior Medical Student Research Project: Independent project focusing on the
mechanisms of adenosine's protective effect on damaged myocardial tissue and age-
associated changes.
- 1990-2 Scholar of the College: Biochemical research isolating, purifying, and
sequencing a retinal synaptic ribbon-associated protein.

Surgical Grand Rounds:

- 2/16/2005 "Simulation in Surgical Residency Training" presented to Department of Surgery,
Yale University School of Medicine, New Haven, CT
- 2/3/2005 "Simulation in Surgical Residency Training," Department of Surgery, Bridgeport
Hospital, Bridgeport, CT

Bibliography:

- Duffy AJ, Hogle NJ, McCarthy H, Lew JI, Egan A, Christos P, Fowler DL: Construct
Validity For The LAPSIM® Laparoscopic Surgical Simulator, Surgical Endoscopy
E pub ahead of print December, 2004.
- Tarlowe MH, Duffy A, Kannan KB, Itagaki K, Lavery RF, Livingston DH, Bankey P, Hauser CJ:
Prospective Study of Neutrophil Chemokine Responses in Trauma Patients at Risk for
Pneumonia, Am J Respir Crit Care Med. 2004 Dec 23; [Epub ahead of print]
- Duffy AJ, McGinty JJ, Hogle NJ, Munver R, McCarthy H, Bessler M, del Pizzo J,
Fowler DL: Pre-Existing Conditions in Living Donors Undergoing Laparoscopic
Nephrectomy, Submitted June 2004.

- Duffy AJ, Hogle NJ, LaPerle K, Fowler DL: Comparison of Two Composite Meshes using Two Fixation Devices in a Porcine Laparoscopic Ventral Hernia Repair Model, Hernia E pub ahead of print Jul 29, 2004.
- Sheth K, De A, Nolan B, Friel J, Duffy A, Ricciardi R, Miller-Graziano C, Bankey P: Heat Shock Protein 27 Inhibits Apoptosis in Human Neutrophils. J Surg Res, 99(1):129-33, July 2001.
- Sheth K, Duffy A, Nolan B, Banner B, Bankey P: Activated Neutrophils Induce Nitric Oxide Production in Kupffer Cells. Shock, 14(3):380-4, September 2000.
- Nolan, B., Kim, R., Duffy, A.J., Sheth, K., De, M., Miller, C., Chari, R., Bankey, P.E.:
Required
Inhibited Neutrophil Apoptosis: Proteasome Dependent NF- κ B Translocation is
for TRAF1 Synthesis. Shock, 14(3):290-4, September 2000.
- Duffy, A.J., Nolan, B., Sheth, K., Collette, H., De, M., Bankey, P.E.: Inhibition of Alveolar Neutrophil Immigration in Endotoxemia is MIP-2 Independent. Journal of Surgical Research, 90(1): 51-57, May 1, 2000.
- Nolan, B, Collette, H., Baker, S., Duffy, AJ, Collette H, De M, Miller, C., Bankey PE. Inhibition of Neutrophil Apoptosis Following Severe Trauma is NF κ B Dependent. Journal of Trauma, 48(4): April 2000.
- Perugini, R.A., McDade, T.P., Vittimberga, F.J., Duffy, A.J., Callery, M.P.: Sodium Salicylate Inhibits Proliferation and Induces G1 Cell Cycle Arrest in Human Pancreatic Cancer. Journal of Gastrointestinal Surgery. 4(1):24-33, January 2000.
- Ricciardi, R., Vernadakis, A.J., Claytor, R.B., Duffy, A.J., Baker, S.P., Arous, E.J.: Atherosclerosis Risk Factors in the Prevalence of Duplex Scan-Determined Internal Carotid Artery Stenosis. J. Vasc. Tech, 24(4):211-215, 2000.
- Nolan, B., De, M., Duffy, A., Collette H., Furse, R., Bankey, P.E.: Lipopolysaccharide induces TNF Receptor-Associated Factor 1 in Human Neutrophils. Surgical Forum, 50:221-223, 1999.
- Nolan, B., Duffy, A., Paquin, L., De, M., Collette, H., Miller-Graziano, C., Bankey, P.E.: MAP Kinases Signal Inhibition of Apoptosis in LPS Stimulated Neutrophils, Surgery, 126(2): 406-412, August 1999.
- Lorbar, M., Fenton, R.A., Duffy, A.J., Graybill, C.A., Dobson, J.G.: Effect of Aging on Myocardial Adenosine Production, Adenosine Uptake and Adenosine Kinase activity in Rats. Journal of Molecular and Cellular Cardiology. 31: 401-412, 1999.

Abstracts and Presentations:

- Duffy AJ, Fowler DL: Surgisis Biomaterial Reinforcement of a Large Paraesophageal Hernia Repair, American College of Surgeons, New Orleans, LA, October 2004.
- Duffy AJ, Topazian M, Strehlow K, Andersen DK: Intraoperative Pancreatotomy and Excision of the Proximal Pancreatic Ductal System for Intraductal Papillary Mucin-Secreting Tumor. American College of Surgeons, Encore Presentation, Film and Video Festival (ACS-2242, Cine-Med production) New Orleans, LA, October 2004.
- Duffy AJ, Hogle NJ, Lambroza A, Fowler DL: Non-Reflux Related Pain after Laparoscopic Nissen Fundoplication, Society for Surgery of the Alimentary Tract, Digestive Disease Week, New Orleans, LA, May 2004.

- Duffy AJ, Hogle NJ, LaPerle K, Fowler DL: Absorbable Fixation of a Collagen-Polyester mesh, American Hernia Society, Orlando, FL, February 2004.
- Duffy AJ, Hogle NJ, McCarthy H, Lew JI, Egan A, Christos PF, Fowler DL: Construct Validity For The LapSim® Laparoscopic Surgical Simulator, Society of American Gastrointestinal Endoscopic Surgeons, Denver, CO, March 2004.
- Duffy AJ, McGinty JJ, Hogle NJ, Munver R, Bessler M, del Pizzo J, McCarthy H, Fowler DL: Pre-Existing Conditions In Living Donors Undergoing Laparoscopic Nephrectomy, Society of American Gastrointestinal Endoscopic Surgeons, Denver, CO, March 2004.
- Duffy AJ, Topazian M, Strehlow K, Andersen DK: Intraoperative Pancreatotomy and Excision of the Proximal Pancreatic Ductal System for Intraductal Papillary Mucin-Secreting Tumor. American College of Surgeons, Chicago, IL, October 2003.
- Duffy AJ, Sheth K, Nolan B, Bankey PE: CXCR-2 Expression after Trauma Correlates with Bacteremia and MODS. American Association for the Surgery of Trauma, San Antonio, TX, October 2000.
- Duffy AJ, Fraire, AE, Sheth, K, Nolan, B, Bankey, PE: Endotoxemia Inhibits Neutrophil Pulmonary Infiltration. Surgical Infection Society, Providence, RI, April 2000.
- Sheth K, Duffy AJ, Bankey PE: Activated Neutrophils Induce Nitric Oxide Production in Kupffer Cells. Surgical Infection Society, Providence, RI, April 2000.
- Nolan, B., Duffy, A.J., Sheth, K., Collette, H., De, M., Miller-Graziano, C. Bankey, P.E.: Inhibited PMN Apoptosis: NF- κ B Translocation is Required for TRAF1 Synthesis. Surgical Infection Society, Providence, RI, April 2000.
- Nolan B, Duffy AJ, Sheth K, De M, Collette H, Miller-Graziano C, Bankey PE: Inhibited PMN Apoptosis: NF κ B Translocation is Required for TRAF1 Synthesis. Surgical Infection Society, Providence, RI, April 2000.
- Duffy, AJ, Sheth, K, Nolan, B, Bankey, PE: LPS-Induced PMN CXCR1 And CXCR2 Receptor Down-Regulation is P38 MAPK Dependent. Society of University Surgeons, Residents' Session, Toronto, Canada, February 2000.
- Duffy, AJ, Nolan, B, Sheth, K, Collette, H, De, M, Bankey, PE: Endotoxemia Desensitizes PMN CXC Chemokine Signaled Migration. American College of Surgeons, Committee on Trauma, Resident Papers Competition, Region 1, Burlington, MA, December 1999.
- Duffy, AJ, Nolan, B, Collette, H, De, M, Bankey, PE: Inhibition of Alveolar Neutrophil Immigration in Endotoxemia is MIP-2 Independent. Association of Academic Surgery, Philadelphia, PA, November 1999.
- Duffy, AJ, Nolan, B, Sheth, K, Collette, H, De, M, Bankey, PE: Endotoxemia Desensitizes PMN CXC Chemokine Signaled Migration. American College of Surgeons, Committee on Trauma, Resident Papers Competition, Massachusetts State Winner 1st Place, Boston, MA, November 1999.
- Nolan B, Duffy, AJ, De, M, Paquin, L, Collette, H, Miller-Graziano, C, Bankey, P: MAPKs Regulate LPS Signal Transduction and IL-1 β Production in Human PMN. Society for Leukocyte Biology, 23:8515th International Congress; Cambridge, England, United Kingdom, September, 1999.

- Nolan, B, Duffy, AJ, Collette, H, De, M, Miller-Graziano, C, Bankey, PE: Inhibition of Neutrophil Apoptosis Following Severe Trauma is NF κ B Dependent. American Association for the Surgery of Trauma, 59th Annual Meeting; Boston, MA, September 1999.
- Nolan, B, De, M, Duffy, AJ, Collette, H, De, M, Furse, R, Bankey, PE: Lipopolysaccharide Induces TNF Receptor-Associated Factor 1 in Human Neutrophils. Surgical Forum, American College of Surgeons, 85th Clinical Congress; San Francisco, CA, Oct 1999.
- Nolan, B, Furse, R, Duffy, AJ, Paquin, L, De, M, Miller-Graziano, D, Bankey, P.: MAPK Regulation of PMN TNF- α Production. Shock Society, 11:32, Fourth International Congress; Philadelphia, Pennsylvania, June 1999.
- Perugini, RA, McDade TP, Vittimberga FJ, Duffy AJ, Callery MP: Sodium Salicylate Inhibits Proliferation and Induces G1 Cell Cycle Arrest in Human Pancreatic Cancer. Society for Surgery of the Alimentary Tract, 40th Annual Meeting, Orlando, FL, May, 1999.
- Duffy, A.J., Nolan, B., De, M., Bankey, P.E.: ERK Activation is Required for Kupffer Cell PGE₂ Production. Surgical Infection Society, 19th Annual Meeting; Seattle, WA, April, 1999.
- Nolan, B., Duffy, A., Collette, H., De, M., Bankey, P.: Trauma Induces Alterations in Neutrophil Responses to Endotoxin., Surgical Infection Society, 19th Annual Meeting; Seattle, WA, April 1999.
- Nolan, B., Duffy, A., Collette, H., Furse, R., Bankey, P.: MAP Kinases Signal Inhibition of Apoptosis in LPS Stimulated Neutrophils. Society of University Surgeons, 60th Annual Meeting; New Orleans, LA, February 1999.
- Nolan, B., Collette, H., Duffy, A., Yeh, B., Miller, C., Bankey, P.: Inhibition of Neutrophil Apoptosis Following Severe Trauma with Shock. Society for Critical Care Medicine, 27:1, A55, 28th Educational & Scientific Symposium; San Francisco, CA, January 1999.
- Nolan, B, Collette, H, Duffy, A, De, M, Bankey, PE. Trauma Induces Neutrophil Dysfunction Associated with Alterations in MAPK Signal Transduction. American College of Surgeons, Committee on Trauma, Resident papers Competition, Massachusetts State Winner 1st place, 1998.
- Nolan, B., Sentementes, J., Paquin, L., Collette, H., Duffy, A., Bankey, P.: LPS Inhibits Apoptosis in Neutrophils and Activates p42ERK1 and p38 but not SAPK/JNK. Society for Leukocyte Biology, 33rd Annual Meeting; San Diego, CA, August 1998.
- Balkema, G.W., Nguyen, H.T., Crabb, J.W., Elwell, J.M., Estrella, E.A., Duffy, A.J.: Purification and Sequencing of a Possible Synaptic Ribbon Antigen in Mouse Retina. Association for Research in Vision and Ophthalmology, 34(4): 1152, May 1993.
- Balkema, G.W., Burt, S., Hatton, M., Duffy, A.J., Bachman, K.: Isolation and Purification of a Protein Associated with Ribbon Synaptic Structures. Presented at the Society for Neuroscience, New Orleans, LA, 17:458:10, November 1991.
- Bachman, K., Burt, S., Duffy, A.J., Hatton, M.P., Balkema, G. W.: Isolation and Purification of a Protein Associated with Ribbon Synaptic Structures. Association for Research in Vision and Ophthalmology, 2(4): 973, May 1991.