

SCOTT C. BOULANGER

POSITIONS:

Asst Professor of Surgery, Division of Pediatric Surgery,
Rainbow Babies and Children's Hospital, Case Western
Reserve University School of Medicine, Cleveland, OH.
June 2006-Present

Director. Division of Pediatric Surgery
Metrohealth Medical Center, Cleveland, OH.
October 2006-December 2011

Assistant Professor of Surgery, Division of Pediatric Surgery,
Department of Surgery, University of Mississippi Medical
Center, Jackson, MS. August 2003-May 2006

Consulting Staff
Baptist Hospital
Jackson, MS 2004-May 2006

EDUCATION:

Fellow. Division of Pediatric Surgery, Department of
Surgery, The State University of New York at Buffalo, July
2001-June 2003.

Dib-Hajj, S.D., **Boulanger, S.C.**, Belcher, S.M., Koch, J.L. and Perlman, P.S. Functional studies of domains of group II introns of yeast mtDNA. Poster presentation at the Keystone Symposium on Molecular Evolution of Introns and Other RNA Elements, Taos, New Mexico. February, 1991

Boulanger, S.C., Belcher, S.M., Podar, M. and Perlman, P.S. Chimeric introns reveal important features of domain 5 of a self-splicing group II intron. Platform presentation at the RNA processing meeting, Keystone, Colorado. May, 1992

Boulanger, S.C., Belcher, S.M., Podar, M. and Perlman, P.S. Chimeric introns reveal important features of domain 5 of a self-splicing group II intron. Platform presentation. Section of RNA Metabolism. The 16th International Conference on Yeast Genetics and Molecular Biology. Vienna, Austria. August, 1992

Perlman, P.S., **Boulanger, S.C.**, Peebles, C.L., Podar, M., Schmidt, U., Schmidt, T., Zhang, M. and Franzen, J.S. Distinguishing binding from catalytic functions of domain 5 of a group II intron. Platform presentation at the RNA processing meeting. Cold Spring Harbor, New York. May, 1993

Perlman, P.S., **Boulanger, S.C.**, Podar, M., Peebles, C.L., Zhang, M., and Franzen, J.F. Studies of the interaction between domain 5 and domain 6 of a group II intron. Platform presentation at the RNA processing meeting, Cold Spring Harbor, New York. May, 1993

Podar, M., Padgett, P.A., **Boulanger, S.C.** and Perlman, P.S. The stereochemical course of group II intron self-splicing. Platform presentation at the RNA processing meeting, Cold Spring Harbor, New York. May, 1994

Beltran, J.R., Brisseau, G.F., Levitt, M.A., **Boulanger, S.C.**, Caty, M.G. and Glick, P.L. Omental Infarction in Children: A Twisted Tail of a not so Infrequent Problem. Poster Presentation. IPEG 2002

Yamout, S.Z., Dozier, J., Gosche, J.R. **Boulanger, S.C.** and Islam, S. Ovarian Masses in Children-What is True Rate of Malignancy? Poster Presentation. Pacific Association of Pediatric Surgeons. May 2005

Vick, L.R., Gosche, J.R., Islam, S and **Boulanger, S.C.** Primary Laparoscopic Repair of High Imperforate Anus in Males. Poster Presentation. American Academy of Pediatrics. Washington DC. October 2005

Boulanger, S.C., Brisseau, G.F. and Gosche J.R. Minimally Invasive Management of Post-traumatic Bile Leaks. Poster Presentation. International Pediatric Endosurgery Group. Dallas, 2006

INVITED LECTURES

Boulanger, S.C. and Caty, M.G. Congenital Lung Malformations. Grand Rounds presentation. Department of Surgery, SUNY at Buffalo. September, 1997

Boulanger, S.C. Drug Metabolism: in the Critically Ill. Grand Rounds presentation. Department of Surgery, SUNY at Buffalo. September, 1999

Boulanger, S.C. Hirschsprung's Disease. Grand Rounds presentation. Department of Surgery, SUNY at Buffalo. February, 2002

Boulanger, S.C. Minimally Invasive Thoracic Surgery in Children. Mississippi Chapter of the American Academy of Pediatrics, Philadelphia MS, September 25, 2003

Boulanger, S.C. Hirschsprung's Disease. Grand Rounds Presentation. Dept. of Surgery, University of Mississippi Medical Center. February, 2003

Boulanger, S.C. Minimally Invasive Thoracic Surgery in Children. Pediatric Grand Rounds Presentation. Department of Pediatrics, University of Mississippi Medical Center, April, 2003

Boulanger, S.C. Minimally Invasive Thoracic Surgery in Children. Anesthesiology Grand Rounds Presentation. Department of Anesthesiology, University of Mississippi Medical Center, April, 2003

Boulanger, S.C. Abdominal Tumors in Children. Department of Surgery Resident Lecture. University of Mississippi Medical Center. July, 2005

Boulanger S.C. Early Recognition and Management of Neonatal Lung and Thorax Anomalies. Grand Rounds Division of Neonatology, MetroHealth Medical Center. November, 2006

Fellow, Department of Pediatric Surgery.
Children's Hospital of Buffalo, Kaleida Health, Inc.
July, 2000-July, 2001.

Resident, Department of Surgery.
State University of New York at Buffalo.
June 1995-June 2000.

M.D., The Ohio State University College of Medicine
Columbus, Ohio.
Sept. 1987-June 1995.

Ph.D., The University of Texas Southwestern Graduate
School, Program in Genetics and Development
Dallas, Texas,
Sept. 1990-June 1995.

B.S., The University of Notre Dame
Major: Biochemistry, Notre Dame, Indiana.
Sept. 1983-May 1987.

HONORS AND AWARDS:

UNDERGRADUATE: Summer Service Project
Scholarship, awarded Summer, 1985.

Best Paper Award, Indiana Regional Student Meeting of the
American Chemical Society, 1987.

Senior Biochemistry Student Award, 1987.

Editor-in-Chief, *Science Quarterly* (University Science
Magazine), 1985-1987

Member, College of Science Student Council
1985-1987.

GRADUATE SCHOOL: NIH Pre-doctoral Fellowship,
1991-1992.

EMPLOYMENT EXPERIENCE:

Graduate Research Assistant, Department of Biochemistry,
University of Texas Southwestern Medical Center
1991-1994

Graduate Teaching Assistant, Department of Molecular
Genetics, Ohio State University
Summer, 1990

Graduate Research Assistant, Department of Molecular
Genetics, Ohio State University
1989-1990

PROFESSIONAL MEMBERSHIPS (current)

Fellow, American College of Surgeons (2005)
Specialty Fellow, American Academy of Pediatrics (2004)
International Pediatric Endosurgery Group (2003)
Society of American Gastrointestinal and Endoscopic
Surgeons (2003)
Surgical Section, Children's Oncology Group (2004)
American Pediatric Surgical Association (2006)
Association of Academic Surgeons (2005)

Boulanger, S.C., Belcher, S.M., Schmidt, U., Dib-Hajj, S.D., Schmidt, T., and Perlman, P.S. Studies of point mutants define three essential paired nucleotides in the domain 5 substructure of a Group II intron. *Molec. Cell. Biol.* 15, 4479-4488, 1995

Boulanger, S.C., Faix, P.H., Franzen, J.S., Peebles, C.L. and Perlman, P.S. The length of the joining segment between domain 5 and domain 6 of a Group II intron is critical for splicing. *Molec. Cell. Biol.* 16, 5896-5904, 1996

Boulanger, S.C., Caty, M.G. and Glick, P.L. Molecular Biology for the Pediatric Surgeon- A Review. *J. Ped. Surg.* 34, 917-930, 1999

Boulanger, S.C., and Glick, P.L. Carcinoid Syndrome in Children. Graduate course in pediatric endocrine disorders. American College of Surgeons Fall Meeting, San Francisco, CA. October, 1999

Boulanger, S.C., and Glick, P.L. Positive End Expiratory Pressure and Response to Inhaled Nitric Oxide Therapy (Letter). *Surgery*, 128, 871-872, 2001

Boulanger, S.C., Volpe, C.M., Ullah, A, Lindfield, V.L. and Doerr, R.D. Pancreatic Pseudocyst with Biliary Fistula: Treatment with Endoscopic Internal Drainage. *Southern Medical Journal*, 94, 347-349, 2001

Boulanger, S.C., Levitt, M.A., Graf, J., Brisseau, G.F., Caty M.G., and Glick, P.L. Laparoscopy for Small Intestinal Bleeding in Children. *Journal of Ped Endosurg Innov Tech.* 6:195-199, 2002

Boulanger, S.C., and Brisseau, G.F. Cystic Nephroma: A Benign Tumor of Children and Adults. *Surgery*. May;133(5): 596-7, 2003

Boulanger, S.C., Borowitz, D.S. and Brisseau, G.F. Familial Incidence of Congenital Pancreatic Cysts. *J. Ped. Surg.* Jul;38(7): 1080-2, 2003

Gosche, J.R., Islam, S and **Boulanger, S.C.** Congenital Diaphragmatic Hernia: Searching for Answers. *Am. J. Surg.* Aug; 190(2) 324-32, 2005

Dolan, M.S., **Boulanger, S.C.**, and Salameh, J.R. Laparoscopic Management of Giant Ovarian Cyst. *JSLs*. Apr-Jun 10(7) 254-6, 2006

Moss, R.L., Dimmitt, R.A., Barnhart, D.C. et al. Laparotomy Versus Peritoneal Drainage for Necrotizing Enterocolitis and Perforation. *N Engl J Med*. May: 354(21) 222-34, 2006

Gosche, J.R., Vick, L.R., **Boulanger, S.C.** and Islam, S. Midgut Abnormalities. *Surg Clin North AM*. 2006. Apr 86(2) 285-99

Boulanger S.C. and Gosche J.R. Congenital Pancreatic Cyst Arising from Occlusion of the Pancreatic Duct. *Ped Surg Int*. In press.

BOOK CHAPTERS:

Boulanger, S.C. Molecular Biology. In: Karamanoukian, H.L. and Karamanoukian, R. (eds.): Surgery 101- Basic Science Review, Volume 3. Magalhaes Scientific Press. 2000.

Boulanger, S.C. Pediatric Surgery. In: Karamanoukian, H.L., Bergsland, J. and Karamanoukian, R.L. (eds.): Absite Combat Manual, second edition. Magalhaes Scientific Press. 2000

Boulanger, S.C., and Caty, M.G. Hepatic Tumors. In: Irish, M.S., Caty, M.G., Pearl, R, and Glick, P.S. (eds.): Pediatric Surgery Secrets. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., and Caty, M.G. Prune-Belly Syndrome, Extrophy of the Bladder and Extrophy of the Cloaca. In: Irish, M.S., Caty, M.G., Pearl, R, and Glick, P.S. (eds.): Pediatric Surgery Secrets. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., Caty, M.G., and Glick, P.L. Omphaloceles and Gastroschisis. In: Irish, M.S., Caty, M.G., Pearl, R. and Glick, P.L. (eds.): Pediatric Surgery Secrets. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., Caty, M.G., and Glick, P.L. Molecular Biology for the Pediatric Surgeon. In: Irish, M.S., Caty, M.G., Pearl, R. and Glick, P.L. (eds.): Pediatric Surgery Secrets. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., Caty, M.G. and Glick, P.L. How Do I Become a Pediatric Surgeon? In: Irish, M.S., Caty, M.G., Pearl, R., and Glick, P.L. (eds.): Pediatric Surgery Secrets. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., Lindfield, V.L., Caty, M.G. and Glick, P.L. Mechanical Ventilation. In: Irish, M.S., Caty, M.G., Pearl, R. and Glick, P.L. (eds.): *Pediatric Surgery Secrets*. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., Lindfield, V.L. and Glick, P.S. Embryology and Surgical Anatomy of the Esophagus. In: Karamanoukian, H.L., Soltoski, P.R., and Salerno, T.A. (eds.): *Thoracic Surgery Secrets*. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., Lindfield, V.L. and Glick, P.S. Embryology and Surgical Anatomy of the Lungs. In: Karamanoukian, H.L., Soltoski, P.R. and Salerno, T.A. (eds.): *Thoracic Surgery Secrets*. Hanley and Belfus-Mosby. 2001

Boulanger, S.C., and Glick, P.L. Minimally Invasive Repair of Pectus Excavatum. In: *Pediatric Minimally Invasive Surgery: A Principles and Evidence-based Approach*. Marcel Dekker. 2005

Glick, P.L., and **Boulanger, S.C.** Inguinal Hernias and Hydroceles. In: *Pediatric Surgery*, 6th ed.. Mosby, May

PRESENTATIONS:

Perlman, P.S., Koch, J.L., Dib-Hajj, S.D., Belcher, S.M. and **Boulanger, S.C.** Group II intron splicing: mini-introns, mutant introns and reverse genetics. Platform presentation at the Keystone Symposium on Molecular Evolution of Introns and Other RNA Elements, Taos, New Mexico. February, 1991