



## Mark Steven Molitor, Jr., M.D. Pediatric Surgeon

### Employment & Practice

**Attending Pediatric Surgeon**

Pediatric Surgeons of Phoenix 8/1/2013  
Phoenix, Arizona

**Attending Pediatric Surgeon 9/1/13**

Phoenix Children's Hospital  
Phoenix, Arizona

**Attending Pediatric Surgeon 9/1/13**

St Joseph Hospital  
Phoenix, Arizona

**Attending Pediatric Surgeon 9/1/13**

Scottsdale Healthcare – Shea  
Scottsdale, Arizona

### Education

**The University of Arizona College of Medicine 7/1998-5/2002**

Tucson, Arizona  
Medical Doctor, 2002

**Pima Community College 9/1996-12/1997**

Tucson, Arizona  
Certificate in Emergency Medical Arts, 1997

**The University of Arizona 8/1992-5/1996**

Tucson, Arizona  
Bachelor of Science in Biochemistry, 1996

**Rio Salado Community College 1/1990-5/1992**

Phoenix, Arizona  
Spanish Language Courses

### Post Graduate Training

**Fellowship: The University of Utah – Primary Children's Medical Center 7/2011-Present**

Department of Surgery – Pediatric Surgery  
Salt Lake City, Utah

**Fellowship: The University of Michigan – Mott Children's Hospital 7/2009-6/2010**

Department of Surgery - Surgical Critical Care  
Ann Arbor, MI

**Residency: The University of Arizona Affiliated Hospitals 7/2007-6/2009**

Department of Surgery – General Surgery PGY IV, V  
Tucson, Arizona

**Residency: The Ohio State University – Nationwide Children's Hospital 2-4/2005**

Department of Surgery – Pediatric Surgery  
Columbus, Ohio  
Junior resident elective rotation in Pediatric Surgery (2 months)

**Internship & Residency: The University of Arizona Affiliated Hospitals 7/2002-6/2005**

Department of Surgery – General Surgery PGY I, II, III  
Tucson, Arizona  
Leave of Absence for Surgical Research Fellowship after PGY 3.

**Research Fellowship**

**Surgical Research Fellowship: The University of Michigan Mott Children’s Hospital 7/2005-6/2007**

Department of Surgery – Pediatric Surgery, Tumor Immunology  
Ann Arbor, Michigan

**Academic Appointments**

7/2010-6/2011 The University of Michigan, CS Mott Children’s Hospital  
Clinical Lecturer, Director, Pediatric Surgical Critical Care  
Department of Surgery, Pediatric Surgery

**Board Certifications**

**American Board of Surgery**

General Surgery	Initial 10/3/2011	Expires 7/1/2022
Surgical Critical Care	Initial 10/3/2011	Expires 7/1/2022

**Professional Affiliations**

American College of Surgeons – Participant, Candidate Group  
American Medical Student Association – Alumni Section  
American Pediatric Surgical Association - Candidate  
Pediatric Trauma Society - Member  
Society of Critical Care Medicine - Member

**Honors and Awards**

**The University of Michigan**

2011	Making a Difference – Employee Recognition Award Certificate of Appreciation – Health Information Mgmt Award
2010	Making a Difference – Employee Recognition Award
2009	Making a Difference – Employee Recognition Award

**The University of Arizona Affiliated Hospitals**

2009	Medical Student Resident Teaching Award
2008–2009	Co-Administrative Chief Resident, Department of Surgery
2007	City of Tucson Extraordinary Citizen- Copper Letter Recipient
2004	Medical Student Resident Teaching Award

**The University of Michigan**

2005-2007	Ruth L. Kirschstein National Research Service Award
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**The University of Arizona College of Medicine**

2002	Outstanding Senior Student-Surgery
2002	Family Practice Outstanding Student Award
2000	Commitment to Underserved People Leadership Award
1999-2002	Harvey T. Ott Medical Scholarship
1998-2002	Helen Weist Medical Scholarship
1998-1999	Hill Foundation Medical Scholarship

## Honors and Awards (cont)

### University Medical Center

September 1997 Employee of the Month

### The University of Arizona

1994-1996 Dean's List for Academic Achievement  
1994 The University of Colorado Health Sciences Center Summer Cancer Research Fellowship  
1992-1996 Student Achievement Tuition Waiver  
  
1990-1992 1<sup>st</sup> Team All-American - Swimming  
1989-1992 Scholastic All-American - Swimming

## Activities

### The University of Michigan

2010-2011 Pre-Natal Surgical Consultant, Fetal Diagnosis and Treatment Center, UMHS  
2010-2011 Neonatal Intensive Care Joint Practice Committee  
2010-2011 Pediatric Intensive Care Joint Practice Committee  
2010-2011 C&W Move Project: Pediatric Surgery NICU/PICU Coordinator  
2009-2011 Critical Care Steering Committee

### Vista Serena Home Owners Association

2010-2011 Director  
2006-2010 Vice-President  
2005-2006 Director

### Pima County Child Abuse Prevention Council

2003-2005 Secretary/Treasurer of Public Relations Committee  
2002-2005 General member

### The University of Arizona College of Medicine

2002-2009 Surgical Clerkship Instructor – suture lab  
2002-2005 Board Member, College of Medicine Alumni Association, Class of 2002  
1999-2002 CPR Elective, Founding Member  
1999-2001 Casa De Los Niños, CPR Instructor  
1999-2000 College of Medicine Student Council Representative  
1999-2000 American Medical Student Association Chapter President  
1999-2000 Commitment to Underserved People (CUP) Program Leader for Med SET  
1998-2002 Commitment to Underserved People (CUP) Medical Student Outreach Program  
1998-2002 Commitment to Underserved People (CUP) Clinical Skills Instructor  
1998-2002 Surgery Club

### The University of Arizona

1995-1996 Carondelet Healthy Seniors Program, Student Volunteer  
1993 Casa De Los Niños, Student Volunteer  
1992-1996 FACES - Pre-Health Student Group  
1992-1994 The University of Arizona Men's Swimming & Diving Team  
1990-1993 US National Swim Team

## Research Experience

7/2005-6/2007 Surgical Research Fellowship, The University of Michigan, Mott Children's Hospital, Department of Surgery – Pediatric Surgery, Tumor Immunology  
Mentor: James D. Geiger, MD  
7/1995-6/1996 Biochemistry Research Practicum, University of Arizona  
Dept. of Family and Comm. Medicine – Immunology  
Mentor: Ronald Watson, PhD

## Research Experience (cont)

5 – 9/1994 University of Colorado Health Sciences Cancer Center Summer Research Fellowship  
Department of Medicine - Division of Rheumatology; Immunology  
Mentor: V. Michael Holers, MD

## Publications:

Herman, R., Kunisaki, S., **Molitor, M.**, Gadepalli, S., Dillman, JR., Geiger, J. Rectal bleeding, deep venous thrombosis, and coagulopathy in a patient with Klippel-Trenaunay syndrome. *J Pediatric Surgery*. 47(3) 598-600, 2012 Mar.

Herman, R., Kunisaki, S., **Molitor, M.**, Gadepalli, S., Hirschl, R., Geiger, J. The use of peritoneal venous shunting for intractable neonatal ascites: a short case series. *J Pediatric Surgery*. 46(8) 1651-1654, 2011 Aug.

**Molitor, M.**, Gadepali, S., Capizzani, T., Herman, R., Hirschl, R. Heparin Induced Thrombocytopenia complicating traumatic brain injury: A report of two cases. *Critical Care Medicine*. 37(12):A528, 2009 Dec.

Levine JE, Adepoju LJ, **Molitor M.**, et al. A pilot study of tumor lysate pulsed dendritic cell in Pediatric High Risk Solid Tumor patients following HCT: Preliminary Results. *Biology of Blood and Marrow Transplantation*. (1 suppl):26, 2009 Feb.

Araghi-Niknam M., Ardestani SK., **Molitor M.**, Inserra P., Eskelson CD., Watson RR. Dehydroepiandrosterone (DHEA) sulfate prevents reduction in tissue vitamin E and increased lipid peroxidation due to murine retrovirus infection of aged mice. *Experimental Biology & Medicine*. 218(3):210-7, 1998 Jul.

Inserra P., Zhang Z., Ardestani SK., Araghi-Niknam M., Liang B., Jiang S., Shaw D., **Molitor M.**, Elliott K., Watson RR. Modulation of cytokine production by dehydroepiandrosterone (DHEA) plus melatonin (MLT) supplementation of old mice. *Experimental Biology & Medicine*. 218(1):76-82, 1998 May.

Zhang Z., Inserra PF., Liang B., Ardestani SK., Elliott KK., **Molitor M.**, Watson RR. Melatonin, immune modulation and aging. [Review] [90 refs] *Autoimmunity*. 26(1):43-53, 1997.

## Presentations:

Skarda, D., Barnhart, D., Scaife, E., Molitor, M., Meyers, R., Rollins, M. *Extracorporeal cardiopulmonary resuscitation (EC-CPR) for hypothermic arrest in children: It meaningful survival a reasonable expectation?* Pacific Association of Pediatric Surgeons, Annual Meeting. Shanghai China. June 2012. Podium Presentation

Ong, E., **Molitor, M.**, Randolph, B. *Laparoscopic Segment 4 Wedge Resection Using 'Monarch' Bipolar Radiofrequency Ablation for Benign Liver Tumor*. Southwestern Surgical Congress 2010 Meeting. Tucson, Arizona. March 2010. Video Presentation

**Molitor, M.**, Gadepali, S., Capizzani, T., Herman, R., Hirschl, R. *Heparin Induced Thrombocytopenia complicating traumatic brain injury: A report of two cases*. Society for Critical Care Medicine, Annual Meeting. Miami Beach, Florida. January 2010. Poster Presentation

Adepoju, L., Levine, J., **Molitor, M.**, et al. *Tumor lysate-pulsed dendritic cell vaccine in pediatric high-risk solid tumor patients following lymphodepletion and hematopoietic stem cell rescue: Preliminary results of a pilot clinical trial*. American Association for Cancer Research, Annual Meeting. Denver, Colorado. April 2009. Poster Presentation

Levine JE, Adepoju LJ, **Molitor M.**, et al. *A pilot study of tumor lysate pulsed dendritic cell in Pediatric High Risk Solid Tumor patients following lymphodepletion and hematopoietic stem cell rescue: Preliminary Results of a pilot clinical trial*. University of Michigan Annual General Surgery Research Conference. Ann Arbor, MI March 2009. Poster Presentation

**Molitor, M.**, Allsopp, W., Geiger, J. *Umbilical Catheter Complications in Newborns with Congenital Diaphragmatic Hernia*. Arizona Chapter of the American College of Surgeons, Annual Meeting. Tucson, Arizona. November, 2008. Podium Presentation.

### **Presentations (cont):**

**Molitor, M.**, Carns, W., Shaw, T. *Student Generated Bio-Ethics Conference at the University of Arizona College of Medicine*. Association of American Medical Colleges-Organization of Student Representatives, Annual Meeting, Washington, DC. October 1999. Poster Presentation.

Lumpkin, M., **Molitor, M.**, Katz, M., DeLa Garza, A. *Medical Students Learn Valuable Teaching Skills-CPR*. Association of American Medical Colleges-Organization of Student Representatives, Annual Meeting, Washington, DC., October 1999. Poster Presentation.

### **Grand Rounds/Invited Speaker Presentations:**

**Molitor, M.** *Crush Injury: Physiologic Response and Management*. The University of Utah/Primary Children's Medical Center Trauma System Update. Salt Lake City, Utah, May 2012. Invited Speaker/Oral Presentation

**Molitor, M.** *Strategies for ECLS Cannulation*. The University of Utah ECMO Training Seminar. Salt Lake City, Utah, February 2012. Invited Speaker/Oral Presentation

**Molitor, M.** *Strategies for ECLS Cannulation*. The University of Michigan ECMO Training Seminar. Ann Arbor, Michigan, May 2011. Invited Speaker/Oral Presentation

**Molitor, M.** *ECLS Support of the CDH Patient*. The University of Michigan ECMO Training Seminar. Ann Arbor, Michigan, February 2011. Invited Speaker/Oral Presentation

**Molitor, M.** *Soft Tissue Sarcoma & Rhabdomyosarcoma, An Update for the Pediatric Surgeon*. The University of Michigan Department of Pediatric Surgery – Grand Rounds. Ann Arbor, Michigan. February 2011. Invited Speaker/Oral Presentation.

**Molitor, M.** *Pediatric Trauma Case Reviews*. University of Michigan Pre-Hospital Trauma Conference. Ann Arbor, Michigan, November 2010. Invited Speaker/Oral Presentation

**Molitor, M.** *Would you like some cheese with that? A History of wine in the United States*. The University of Arizona Department of Surgery Grand Rounds, Tucson, Arizona. April 2009. Invited Speaker/Oral Presentation

**Molitor, M.** *Thoracic Outlet Syndrome*. The University of Arizona Section of Cardiothoracic Surgery – Grand Rounds. Tucson, Arizona. June 2008. Invited Speaker/Oral Presentation

**Molitor, M.**, Lake, A., Geiger, J. *Focused Ultrasound and Tumor Immunology*. The University of Michigan Department of Pediatric Surgery – Grand Rounds/Research Conference. Ann Arbor, Michigan. May 2007. Invited Speaker/Oral Presentation.

### **Languages**

Spanish: conversation-fluent; writing-basic sentences; reading-basic

### **Employment History**

July 2011- June 2013	Fellow – Pediatric Surgery Primary Children's Hospital, The University of Utah
July 2010-June 2011	Clinical Lecturer, Director, Surgical Critical Care The University of Michigan Dept of Surgery, Section of Pediatric Surgery
July 2009-June 2009	Surgical Critical Care Fellow The University of Michigan; Ann Arbor, Michigan
July 2007-June 2009	Surgical Resident The University of Arizona; Tucson, Arizona General Surgery PGY IV and PGY V training

## Employment History (cont)

November 2006- June 2007	Moonlighter – ICU Oakwood Hospital Dearborn, Dearborn, Michigan Resident moonlighter in the Intensive Care Unit at Oakwood Hospital.
November 2006-June 2007	House Officer - Moonlighter Kindred Hospital, Dearborn, Michigan House officer at Kindred Long Term Care Hospital.
July 2005-June 2007	Research Fellow The University of Michigan; Ann Arbor, Michigan General surgery research fellowship.
July 2002-June 2005	Surgical Resident The University of Arizona; Tucson, Arizona General Surgery Internship, PGY II and PGY III training. Leave of absence to complete surgical research fellowship
Aug. 2001- May 2002	Physical Exam Instructor The University of Arizona College of Medicine; Tucson, Arizona Instruct first-year medical students the different components of a comprehensive physical exam.
Jan. 2000 – May 2002	MCAT Review Instructor The Princeton Review; Tucson, Arizona MCAT review instructor in general chemistry and biology
Jan. 1997 – August 2003	BLS, First Aid, Infant Care Instructor Trainer University Medical Center; Tucson, Arizona CPR, First AID, Home Safety Instructor; Train new CPR instructors
Jan. 1998-June 2000	Clinical Data Coordinator-Kidney/Liver Transplant University Medical Center; Tucson, Arizona Compile morbidity & mortality, graft and patient survival statistics
August 1997-March 1998	Physician Substitute NABI Biomedical Center; Tucson, Arizona Assess donor suitability for plasmapheresis; counsel donors with unsuitable test results
May 1995-August 1997	Unit Clerk/Assistant-NICU University Medical Center; Tucson, Arizona Transcribe physician orders, ordering STAT medications, x-rays, and labs; Genetic Disease Screen (GDS) follow-up and database maintenance.

## Personal Interests

Spending time with wife and children, Italian cooking, learning family recipes, hiking, country western dancing, swing dancing, foreign travel

## Fellows Trained:

### Critical Care:

Ana Ruzic, MD	2010-2011
Melissa Warta, MD	2010-2011