

Rajan Thakkar, MD

*Armand D. Versaci Research Scholar /Surgical Resident
AYALA LAB*

Division of Surgical Research

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Primary Research Field

Immunology, inflammation, shock, lung leukocyte-epithelial-endothelial cell interactions, immune dysfunction in critical illness/injury

Education

2006 M.D., the Ohio State University, Columbus, OH

2004 B.S. in Biology, the Ohio State University, Columbus, OH

Professional Experience

2008-present Research Fellow / Research Associate – Div. Surg. Res./ Dept. Surgery Rhode Island Hospital-Brown Univ. Sch. Med., Providence, RI, Mentor: Alfred Ayala

2006-present Surgical Resident - Div. Surg. Res./ Dept. Surgery, Rhode Island Hospital-Brown Univ. Sch. Med., Providence, RI, U.S.A.

2003 Anatomy Teaching Assistant, the Ohio State University Columbus, OH

2002 Academic Tutor, the Ohio State University Columbus, OH

2000-2001 Organic Chemistry Research Assistant, the Ohio State University Columbus, OH, Mentor: T.V. RajanBabu PhD.

Awards, Honors, Fellowships, Grants

- Armand D. Versaci Research Scholar 7/08-present
- Gold Humanism Honor Society 4/05
- Undergraduate Research Scholarship 1/00
- Trustees Scholarship 9/98 to 6/02

Publications:

1. **Thakkar, R., Huang, X., Ayala, A.** 2009. Chapter 5: Sepsis and the Immune Response. In “Essential Immunology for Surgeons”. Ed. Oleg Eremin (in preparation).

Abstracts (published):

1. **Thakkar, R., Heffernan, D.S., Adams, C.A., Kozloff, M., Majerick, S., Gregg, S., Harrington, D., Cioffi, W.G.** 2009. The super-elderly (>80 year old) suffer devastating head injury outcomes following minor trauma when compared with their elderly counter-parts (65-79 years old). *J. Surg. Res.* 151:292 (Quick-shot #227).
2. **Heffernan, D.S., Thakkar, R., Kozloff, M., Gregg, S., Adams, C.A., Cioffi, W.G.** 2009. UTI in elderly trauma patients: an underappreciated risk for trauma. *Surg. Infect.* 10:241 (abst P45).
3. **Thakkar, R., Chung, C.S., Chen, Y., Venet, F., Cioffi, W.G., Ayala, A.** 2009. Local siRNA knock down of Fas ligand leads to a decrease in inflammation and neutrophil recruitment following indirect acute lung injury. *J. Amer. Col. Surg.* 209:(in press) supplt.

Presentations (Oral & Poster):

1. **Thakkar, R. (Presenter), Heffernan, D.S., Adams, C.A., Kozloff, M., Majerick, S., Gregg, S., Harrington, D., Cioffi, W.G.** 2009. The super-elderly (>80 year old) suffer devastating head injury outcomes following minor trauma when compared with their elderly counter-parts (65-79 years old). Oral presentation in the session: Trauma and Critical Care 7: Clinical Trauma, as a part the 2009 Academic Surgical Congress, Sanibel, FL, February 4th, 2009.
2. **Thakkar, R. (Presenter), Chung, C.S., Chen, Y., Venet, F., Cioffi, W.G., Ayala, A.** Local siRNA knock down of Fas ligand leads to a decrease in inflammation and neutrophil recruitment following indirect acute lung injury. Oral presentation in 'Forum Session: Critical Care I', as a part of the Forum on Fundamental Surgical Problems of the American College of Surgeons (ACS) at the 95th Annual Clinical Congress in Chicago, IL, October 12, 2009.

Extracurricular Activities:

Class Oath Committee 8/02 to 6/06
Patient Centered Medicine Professionalism Course 9/03
American Medical Student Association 8/02 to present

Community/Volunteer Experience:

Salvation Army Medical Clinic in Swaziland, Africa 6/03 to 8/03
B.A.P.S. Hindu Temple 9/98 to present
American Diabetes Association 1/03 to 1/04
Columbus Physicians Free Clinic 1/03 to 1/04
Arnold Schwarzenegger Fitness Classic 3/04

Last updated: 6/16/2009