Recent News

Joseph S. Solomkin, M.D., one of the external reviewers for our Trauma and Inflammation Research Training Grant, will be giving a lecture entitled, “How Neutrophils Use Membrane Rafts in Priming and Activation” on Monday, April 23rd at 10:00am in the first floor Nursing Arts classroom #104. Dr. Solomkin is Director of Research, Division of Trauma and Critical Care, Department of Surgery at the University of Cincinnati.

Daniel G. Remick, M.D., Professor and Chairman of Pathology and Laboratory Medicine at Boston University School of Medicine will be giving a lecture entitled, “Biomarkers Predicting Sepsis Lethality” on Tuesday, April 24th at 10:00am in the first floor Nursing Arts classroom 104.

Jean M. Daley, M.D., has been awarded a five-year Career Development Award by the National Institutes of Health. Her research proposal, “Heterogeneity of Wound Macrophages” is focused on the determinants of wound macrophage phenotype and function, and the impact of macrophage phenotype on fibrosis. Dr. Daley received her medical degree from Tufts University and completed a general surgery residency and research fellowship at Brown Medical School. She has been a member of the Division of Surgical Research since 2002.

Minsoo Kim, Ph.D., Assistant Professor of Surgery in the Division of Surgical Research, was awarded his first R01 grant from the National Institutes of Health entitled, “LFA-1 in Lymphocyte Migration”.

Carl Saab, Ph.D., Assistant Professor of Surgery in the Division of Surgical Research, announced the selection of his laboratory, located in NAB-108, as Northeast demo site and R&D for an innovative live-cell imaging product by Mauna Kea Technology (http://www.maunakeatech.com/products/cellvizio_preclinical). Cellvizio®-LAB is a high definition, fluorescence optical imaging system that enables researchers to observe and quantify physiological phenomena at the cellular and sub-cellular levels in laboratory animal subjects. Cellvizio readily fits in a wide array of laboratory environments ranging from basic science to therapeutic research to preclinical testing and applies to a wide range of applications (http://www.maunakeatech.com/sai/apps). Questions and visitors are welcome. Email: carl_saab@brown.edu

Data from Dr. Saab’s laboratory describing the neuroimmunological link to painful peripheral neuropathies will be featured in an NIH-sponsored Pain Consortium Symposium: Advances in Pain Research 2007, Tuesday, May 1, 2007 (http://painconsortium.nih.gov/). The symposium will be videocast live and archived at http://videocast.nih.gov
**Academic Highlights**

*Papers, Posters, Presentations & Publications*

Chun-Shiang Chung, Ph.D., a postdoc in Dr. Alfred Ayala’s lab, recently had a paper published in *Apoptosis*. (Chung CS, Chen Y, Grutkoski PS, Doughty L, Ayala A) **SOCS-1 is a central mediator of steroid-increased thymocyte apoptosis and decreased survival following sepsis.** *Apoptosis* 2007 Mar 16; [Epub ahead of print].


Ryan Swan, M.D., had a paper accepted for publication in *Surgery* (Chung CS, Albina J, Cioffi W, Perl M, Ayala A) **Polymicrobial sepsis enhances clearance of apoptotic immune cells by splenic macrophages.** *Surgery* (in press). This work was also given as an oral presentation at the 2nd Annual Academic Surgical Congress in Phoenix, AZ, February 6-9th, 2007.

Members of Dr. Alfred Ayala’s lab presented a poster at the World Congress on Trauma, Shock, Inflammation and Sepsis held in Munich, Germany March 13-17th, entitled **Enhanced phagocytosis of apoptotic immune cells by splenic marginal zone macrophages during polymicrobial sepsis.** (Swan R, Chung CS, Cioffi W, Perl M, Ayala A).

Emily Clarke-Pearson (BMS4) and Maureen Chung, M.D., co-authored 3 posters presented at the 2007 Annual Meeting of Society of Surgical Oncology in Washington, DC. The titles are: **Contemporary analysis of invasive breast cancer, 1987-2005; Breast cancer presentation and treatment variation by insurance; and Demographic and pathology trends in DCIS from 1987-2005.**

Liana Tsikitis, M.D., (PGY5) presented a poster at the 2007 Annual Meeting of Society of Surgical Oncology in Washington, DC. The title of her poster was **The influence of postoperative morbidity on long-term survival following resection for pancreatic cancer.**

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**Save the Date**

April 24th: PhD candidate Doreen Soldato will defend her dissertation, **“Apoptotic Changes in the Liver and Spleen After Sepsis: Role of Fas-FasL”**

1:00pm at the 70 Ship Street Auditorium

April 26th: PhD candidate Brian LeBlanc will defend his dissertation, **“Effects of Beta-Glucan on Leukocyte Functions”**

2:00pm at the 70 Ship Street Auditorium

The Seminar Series Lectures in the Division of Surgical Research covers monthly topics on inflammation and injury in critical illness. The schedule, updated regularly, can be found at: [http://bms.brown.edu/surgery/research/03Research_Seminars.htm](http://bms.brown.edu/surgery/research/03Research_Seminars.htm)
Research Travel

On March 12, 2007, Dr. Alfred Ayala, hosted by Dr. Heinz Redl, attended the Ludwig Boltzmann Institute for Experimental and Clinical Traumatology/Austrian Cluster for Tissue Regeneration, in Vienna, Austria, where he gave a lecture on “Apoptosis and its Significance to Immune/Organ Dysfunction During Sepsis and Shock”.

Dr. Ayala also took part in the 7th World Congress on Trauma, Shock, Inflammation and Sepsis (TSIS 2007) in Munich, Germany in March, where he was accompanied by two members of his lab, Drs. Joanne Lomas-Neira & Fabienne Venet, and one former lab member, Dr. Mario Perl. The Division of Surgical Research was well represented. Three oral-posters (by Drs. Venet & Lomas-Neira), one oral paper (by Dr. Mario Perl) and four mini-symposia (one from Dr. Perl and three from Dr. Ayala) were presented at the Congress on work derived from the lab. Dr. Ayala was honored to serve as session moderator for two mini-symposia and one free paper session (titles of some of these presentations are listed under 'Academic Highlights').

Jean Daley, M.D., and Alan Thomay, M.D., will attend a Keystone Symposium “The Macrophage: Homeostasis, Immunoregulation & Disease” to be held at Copper Mountain, Colorado, April 11-15, 2007

Upcoming Events

5th Annual “Advances in Inflammation Research” Symposium

Save the date for an extraordinary series of lectures by leaders in the basic and clinical aspects of inflammation research

Featured Speakers:

- Gühken Hotamisligil, M.D., Ph.D.
  James Stewart Simmons Professor of Genetics and Metabolism
  Department of Genetics and Complex Diseases
  Harvard School of Public Health
  Boston, MA

- Christopher L. Karp, M.D.
  Professor, Department of Pediatrics
  Director, Division of Molecular Immunology
  University of Cincinnati
  Cincinnati, OH

- Daniel Kestner, M.D., Ph.D.
  Clinical Director, National Institute of Infectious and Immunological Sciences (NIIIS)
  Chief, Genetics and Genomics Branch
  National Institutes of Health
  Bethesda, MD

- Kenneth L. Rock, M.D.
  Professor and Chairman
  Department of Pathology
  University of Massachusetts Medical School
  Worcester, MA

- Ulrich H. von Andrian, M.D., Ph.D.
  Massachusetts General Hospital
  Brigham and Women’s Hospital
  Boston, MA

Thursday, September 20 & Friday, September 21, 2007
Providence, Rhode Island

For more information call (401) 444-0188
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Phone: (401) 444-0188 Fax: (401) 444-0052
email: Inflammation@lifespan.org http://bms.brown.edu/surgery/research

More information can be found at:
http://bms.brown.edu/surgery/research/03Research_InflaSympFrm.htm
Abstracts are now being accepted through April 16, 2007, for the 14th Annual Surgical Resident and Fellow Research Presentation Day. This year’s event will be held on Friday, May 11, 2007, at The Conference Center at Harvard Medical School in Boston, MA.


Mark your calendar now to take advantage of this outstanding opportunity to network and catch up on the most current scientific data.

New England Surgical Society, 900 Cummings Center, Suite 221-U, Beverly, MA 01915
www.nesurgical.org Tel: 978-927-8330

Clinical Highlights

RIH Kidney Transplant Program celebrates 10 years!
(Submitted by Paul Morrissey, MD)

Kidney transplantation in Rhode Island was reborn in 1996 under then Chief of Surgery, Kirby Bland, MD. The program was initially established in affiliation with the New England Deaconess Hospital with Reg Gohh, MD serving as full-time medical director. On March 24, 1997, the first transplants were performed using kidneys from a deceased donor in Rhode Island. The first living related transplant was performed three months later with Tony Monaco as recipient surgeon and Drs. Peter Madras and Paul Morrissey performing the donor nephrectomy. Since then we have expanded to include specialists in infectious disease, psychiatry, social work, pharmacology, nutrition and research programs. Tony Monaco remains at the helm as Director of Transplant Services. Amitabh Gautam, MD has developed a successful program in pancreas transplantation (26 transplants to date) and Kevin Charpentier, MD has joined the kidney-pancreas team and is developing a program in hepatobiliary surgery that will include care of patients with end-stage liver disease.

Research Opportunities for Residents

Please visit our website for current information about the Division of Surgical Research’s Trauma and Inflammation Research Training Grant and the Versaci Surgical Scholarship.
http://bms.brown.edu/surgery/research/index.html