Dear Colleague,

As we enter summer, the research engine of the Department of Surgery is running at high speed and we have a very full newsletter. We hope you will attend our first Surgery Research Symposium on Friday June 9. Please see our program overview below for a list of our exciting presentations. I am co-directing this program with renowned pain researcher, Nigel Bunnett, PhD, and in this months research letter we feature an extended interview Dr. Bunnett on the long-term clinical implications of his research on endosomal pain receptors. We present this along with his landmark paper, Neurokinin 1 Receptor Signaling in Endosomes Mediates Sustained Nociception and is a Viable Therapeutic Target for Prolonged Pain Relief in *Science Translational Medicine*.

This newsletter has proven to be a valuable resource so I hope you will continue to email Paul Kurlansky (pk2245@columbia.edu) or me (crs2@cumc.columbia.edu) with regular updates on your grants, publications, and presentations by the first of every month.

For easy reference, we now post all issues of this newsletter on the Center for Innovations and Outcomes Research website.

Remember, journal link may require subscriptions or a log-in through the Columbia library while PubMed links are accessible to all.

Craig R. Smith, MD, FACS

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**DEPARTMENT OF SURGERY INAUGURAL RESEARCH SYMPOSIUM**

**Friday, June 9, 2017**

Our first annual Surgical Research Symposium provides an opportunity for residents, fellows and students to present their research to Department of Surgery faculty and our Visiting Professor, Dr. Christian Larsen, MD, DPHL, who serves as the Carlos and Marguerite Mason professor of transplantation at Columbia. Dr. Larsen was founding director of the Transplantation Emory Transplant Center and former surgeon-in-chief at Emory University School of Medicine and has made groundbreaking contributions...
to transplant research. More here.

CONGRATULATIONS

Dr. Nigel Bunnett received the Research Mentor Award from the American Gastroentereological Association Institute on May 7, 2017 during Digestive Disease Week in Chicago, Illinois.

Dr. Rose Fu and co-authors received the Excellence in Research Award for their abstract “Breast Cancer Provider Discussion Law Helps Reverse Racial and Economic Disparity in Breast Reconstruction Rates in New York State: An Analysis of 42,137 Patients from the New York State Database.” This research was accepted for an oral presentation in the 2017 Owen H. Wangensteen Scientific Forum of the American College of Surgeons.

Dr. Henry Spotnitz (below) won the Biology Club Cup for his presentation, “Ultraviolet Laser Sleeve for LVAD Driveline Disinfection,” at the annual meeting of the Cardiac Surgery Biology Club of the American Association for Thoracic Surgery at the AATS meeting in Boston, April 29, 2017.

SPECIAL FEATURE

We are pleased to present an interview with Dr. Nigel Bunnett in coordination with the May 31, 2017 release of his landmark article in Science Translational Medicine: Neurokinin 1 Receptor Signaling in Endosomes Mediates Sustained Nociception and is a Viable Therapeutic Target for Prolonged Pain Relief. This interview covers the origins of pain and itching, the widespread clinical problems associated with both,
and an exploration of a new pathway that may lead to a new class of more effective palliative drugs, without problematic side effects.

More here.

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**CARDIAC SURGERY**

**Presentations**

*American Association of Thoracic Surgery, Centennial Meeting*  
*Boston, May 1-3, 2017*


Fukuhara S, Tran, Han J, Takeda K, Naka Y, Takayama H. Posttransplant outcomes in patients on venoarterial extracorporeal membrane oxygenation: A comparison with population on continuous-flow left ventricular assist device support.


Nees SN, Flyer JN, Chelliah A, Dayton JD, Kalfa D, Chai PJ, Bacha EA, Anderson BR. Patients with anomalous aortic origin of the coronary artery remain at risk even after surgical repair.


plasma free hemoglobin during complex cardiac surgery: Results for the randomized controlled safety and feasibility REFRESH I trial.

*American College of Cardiology 66th Annual Scientific Sessions*
*Washington, DC, March 2017*


*Society of Thoracic Surgeons 53rd Annual Meeting*
*Houston, Texas, January, 2017*


*International Stroke Conference, American Heart Association*
*Houston, Texas, February 23, 2017*


**Publications**


[Journal link](#)
[PubMed link](#)


[Journal link](#)
[PubMed](#)


[Journal link](#)
[PubMed link](#)


CIOR (CENTER FOR INNOVATION AND OUTCOMES RESEARCH)

Presentations

*International Society for Pharmacoeconomics and Outcomes Research (ISPOR)*

22nd Annual International Meeting

*Boston MA, May 20-24, 2017*


Xie L, Zhang Q, Baser O, McGuire M. Examining the health care resource use and economic costs associated with acute myeloid leukemia among Medicare patients.

*American Thoracic Society (ATS) International Conference 2017*

*Washington, DC, May 19-24, 2017*

**Publications**


[Journal link](#)  
[PubMed link](#)


[Journal link](#)  
[PubMed link](#)

**GI/ENDOCRINE**

**Presentations**

*Digestive Diseases Week 2017  
Chicago, IL, May 6-10, 2017*


*Society of Surgery of the Alimentary Tract 58th Annual Meeting  
Chicago, IL, May 6-9, 2017*

Annual Pancreas Club Meeting  
San Diego, CA, May 5-6, 2017


Publications


Journal link


Journal link  
PubMed link

Book Chapters


Journal link

PEDIATRIC SURGERY

Presentations

27th Annual Meeting of the Society of Black Academic Surgeons  
Chicago, IL, April 27-29, 2017

Cherease Street, BS, Shunpei Okochi, MD, Sunjay M. Barton, BS, Debarshi Banerjee, PhD, Robyn D. Gartrell, MD, Yan Lu, MD, Darrell J. Yamashiro, MD, PhD, Eileen P. Connolly, MD, PhD, Angela Kadenhe-Chiweshe, MD Combined high dose radiation therapy and checkpoint blockade inhibits tumor growth and potentiates immune cell infiltrate in a syngeneic murine model of neuroblastoma.

American Association of Thoracic Surgery Centennial  
Boston, MA, 2017


48th Annual Meeting American Pediatric Surgical Association
May 4-7, 2017, Hollywood, FL


Lynnch L, Schapiro D, Shek J, Breitfeller E, Zitsman JL, Byrne EJ. Weight Loss Surgery Decreases Idiopathic Intracranial Hypertension in 9 year old Female with Pseudo Tumor Cerebri and BMI >99%ile for Sex and Age.


Shieh HF, Ahmed A, Tracy SA, Zurakowski D, Fauza DO. Fetal Bone Marrow Homing of Donor Mesenchymal Stem Cells after Transamniotic Stem Cell Therapy (TRASCET).


Publications

 PubMed link

 PubMed link

 PubMed link

Shieh HF, Barnewolt CE, Wilson JM, Zurakowski D, Connolly SA, Estroff JA,

Journal link
PubMed link


Journal link
PubMed link


Journal link
PubMed link


Journal link
PubMed link

PLASTIC SURGERY

Presentations

18th annual meeting of the American Society of Breast Surgeons
Las Vegas, Nevada, April 2017

Ascherman J. Novel approaches to breast reconstruction.