



COLUMBIA UNIVERSITY

*College of Physicians  
and Surgeons*



ColumbiaDoctors | *Surgery*

Dear Faculty,

This month, I'm pleased to announce that Dr. Nigel W. Bunnett and Dr. Donna L. Farber have received named professorships. Dr. Bunnett has also received major research grants to study the mechanisms of pain and itching.

In addition, our faculty made eight presentations at the 34th Annual meeting of the Northeastern Society of Plastic Surgeons in Newport, Rhode Island, this September.

Please continue to email Paul Kurlansky ([pk2245@columbia.edu](mailto:pk2245@columbia.edu)) or me ([crs2@cumc.columbia.edu](mailto:crs2@cumc.columbia.edu)) with regular updates on your grants, publications, and presentations by the first of every month.

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

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

Craig R. Smith, MD, FACS  
Chair, Department of Surgery

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## CONGRATULATIONS

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Nigel W. Bunnett, BSc, PhD, an internationally known expert on the mechanisms of pain, itch and neurogenic inflammation, has been appointed the Gerald and Janet Carrus Professor of Surgical Sciences (in Surgery and Pharmacology) as of July 1, 2017.

[Read more](#) about Dr. Bunnett's research interests.

Donna L. Farber, PhD, Associate Director, Columbia Center for Translational Immunology, Division Chief, Surgical Sciences, has been appointed the George H. Humphreys, II Professor of Surgical Sciences (in Surgery) as of July 1, 2017. Dr. Farber's outstanding work has drawn international attention to Columbia, to the Columbia Center for Translational Immunology (CCTI), and to the Department of Surgery.

[Read more](#) about Dr. Farber's research interests.



The following investigators have received high level grant support

for their work:

**Nigel Bunnett, PhD, Principal Investigator**

Grant Number: 1R01NS102722-01 FAIN: R01NS102722  
Endosomal Platforms for Neuropeptide Receptor Signaling  
08/15/2017 - 06/30/2022  
\$350,000/year for 5 years

NIH project: Protease/PAR2/TRPV4 Axis and Oral Cancer Pain  
12/1/2017-12/1/2022  
\$2,484,449 Direct/\$3,978,252

**Kazuhiko Yamado, MD, PhD, Principal Investigator**

NIH Xeno PPPG: Induction of tolerance of xeno kidney by vascularized thymic Tx in a pig-to-baboon model. Renewed September 2017 for 4 years.

NIH U19 (Allo Islet-Kidney): Induction of tolerance of both islet and kidney (allo monkey) by composite Islet-Kidney with mixed chimerism. Renewed September 2017 for 5 years.

**Vincent Duron, MD**

Sole recipient of a \$100,000 grant from an extremely competitive field of finalists applying to the Childress Institute for Pediatric Trauma for his study, The Effect of Restricted Fluid Management Strategy on Outcomes in Critically Ill Pediatric Trauma Patients: A Multicenter Randomized Controlled Trial.

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**CARDIAC SURGERY**

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**Presentations**

*Joint Conference on Advances in Pediatric Cardiovascular Disease Management  
Ann Arbor, Michigan, September 29-October 1, 2017*

Stephens E, Han J, Ginns J, Rosenbaum M, Chai P, Bacha E, Kalfa D. Outcomes and Prognostic Factors for Adult Congenital Heart Disease Patients Undergoing Primary or Reoperative Systemic Atrioventricular Valve Surgery.

*Heart Failure Society of America, 21st Annual Scientific Meeting  
Grapevine, Texas, September 16-19, 2017*

Zhao Q, Wang L, Kurlansky PA, Schein J, Baser O, Berger JS. Impact of coronary artery disease on clinical outcomes among patients with newly-diagnosed heart failure with systolic dysfunction: Is it changing over time?

**Publications**

Kennel PJ, Saha A, Maldonado DA, Givens R, Brunjes DL, Castillero E, Zhang X, Ji R, Yahi A, George I, Mancini DM, Koller A, Fine B, Zorn E, Colombo PC, Tatonetti N, Chen EI, Schulze PC. Serum exosomal protein profiling for the non-invasive detection of cardiac allograft rejection. *J Heart Lung Transplant*. 2017 Jul 19. pii: S1053-2498(17)31903-4. doi: 10.1016/j.healun.2017.07.012. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Praz F, George I, Kodali S, Koulogiannis KP, Gillam LD, Bechis MZ, Rubenson D, Li W, Duncan A. Transcatheter Tricuspid Valve-in-Valve Intervention for Degenerative Bioprosthetic Tricuspid Valve Disease. *J Am Soc Echocardiogr*. 2017 Aug 23. pii: S0894-7317(17)30473-X.

[Journal link](#)

[PubMed link](#)

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## GI/ENDOCRINE SURGERY

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### Publications

Resection of Locally Advanced Pancreatic Cancer without Regression of Arterial Encasement After Modern-Era Neoadjuvant Therapy. Kluger MD, Rashid MF, Rosario VL, Schrope BA, Steinman JA, Hecht EM, Chabot JA. *J Gastrointest Surg*. 2017 Sep 11. doi: 10.1007/s11605-017-3556-1.

[Journal link](#)

[PubMed link](#)

Xu MM, Yin S, Siddiqui AA, Salem RR, Schrope B, Sethi A, Poneris JM, Gress FG, Genkinger JM, Do C, Brooks CA, Chabot JA, Kluger MD, Kowalski T, Loren DE, Aslanian H, Farrell JJ, Gonda TA. Comparison of the diagnostic accuracy of three current guidelines for the evaluation of asymptomatic pancreatic cystic neoplasms. *Medicine (Baltimore)*. 2017 Sep;96(35):e7900. PubMed PMID: 28858107.

[Journal link](#)

[PubMed link](#)

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## IMMUNOLOGY/TRANSPLANTATION

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### Publications

Sahara H, Watanabe H, Pomposelli T, Yamada K. Lung xenotransplantation. *Curr Opin Organ Transplant*. 2017 Sep 1. doi: 10.1097/MOT.0000000000000465. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

Sekijima M, Sahara H, Miki K, Villani V, Ariyoshi Y, Iwanaga T, Tomita Y, Yamada K. Hydrogen sulfide prevents renal ischemia-reperfusion injury in CLAWN miniature swine. *Journal of Surgical Research*, Vol 219, November 2017, Pages 165-172

[Journal link](#)

Yamada K, Sykes M, Sachs DH. Tolerance in xenotransplantation. *Curr Opin Organ Transplant*. 2017 Sep 20. doi: 10.1097/MOT.0000000000000466. [Epub ahead of print]

[Journal link](#)

[PubMed link](#)

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## PEDIATRIC SURGERY

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### Presentations

*The American Academy of Pediatrics 2017 Annual Meeting  
Chicago, Illinois, September 15-17, 2017 (Surgical section)*

Shieh HF, Ahmed A, Rohrer L, Zurakowski D, Fauza DO. Donor Mesenchymal Stem Cell Kinetics after Transamniotic Stem Cell Therapy (TRASCET) for Experimental Spina Bifida.

Shieh HF, Ahmed A, Fauza DO. Segmental Intestinal Resurfacing: A Potential Novel Strategy for Engineered Esophageal Replacement.

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## PLASTIC SURGERY

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### Presentations

*34th Annual meeting of the Northeastern Society of Plastic Surgeons  
Newport, Rhode Island, September 2017*

Ascherman J, Morrison K, Zeidler K, Appel J, Mohebbali K, Stokes T, Sudarsky L, Chun Y, Castle J, Colwell A. XPAND II – A multi-center, prospective, clinical trial for the AeroForm tissue expander system for two-stage breast reconstruction.

Fu R, Toyoda Y, Li L, Rohde C, Otterburn D. Smoking May Have a Different Risk Factor Profile for Postoperative Complications in Plastic and General Surgical Procedures; A Propensity-Matched Analysis of 294,903 Patients from the NSQIP Database from 2005-2014 .

Fu R, MD, Baser O, MS, Means J, Kurlansky P, Rohde C. Breast Cancer Provider Discussion Law Helps Reverse Racial and Economic Disparity for Breast Reconstruction in NY State: An Analysis of 42,137 Patients From the NY SPARCS Database.

Lee JC, MD, Ishtihar S, Means JJ, Wu J, Rohde A Randomized, Controlled Study of OctylINR-cyanoacrylate and Adhesive Mesh Closure System Versus Subcuticular Suture Closure in Reduction Mammoplasty.

Levy A, Bernstein J, Morrison KA, Lieberman MD, Pomp A, Rohde C, Otterburn DM, Spector JA. Simplifying Technique While Improving Surgical Outcomes in Complex

Abdominal Wall Reconstruction.

Marano AA, Henderson PW, Prince MR, Dashnaw S, ARMRIT, Rohde CH, Effect of MRI on Breast Tissue Expanders and Recommendations for Safe Use.

Morrison K, Lee J, Souweidane M, Feldstein N, Ascherman J. Twenty-year outcomes experience with primary open craniosynostosis repairs: An analysis of reoperation and complication rates.

Toyoda T, Fu R, Lu L, Ottberburn D, Rohde C. Smoking Independently Increases Postoperative Wound Complications in Plastic Surgical Procedures; A Propensity-Matched NSQIP Analysis

### **Publications**

Goltsman D, Morrison K, Ascherman J. Defining the association between diabetes mellitus and plastic and reconstructive surgery outcomes: An analysis of nearly 40,000 patients from the American College of Surgeons' NSQIP database. *Plast Reconstr Surg Glob Open*. 2017 Aug 17;5(8):e1461. DOI: 10.1097/GOX.0000000000001461.

[Journal link](#)

[PubMed link](#)



Columbia University  
Department of Surgery  
630 West 168th Street  
Box 94  
New York, NY 10032  
[info@columbiasurgery.org](mailto:info@columbiasurgery.org)