



Dr. Edward Bahnson joins the UNC Surgery research team



Dr. Edward Moreira Bahnson

We welcome **Dr. Edward Moreira Bahnson** who joined us as a tenure-track Assistant Professor in August and will also be a part of the Center for Nanotechnology and Drug Delivery. Dr. Bahnson's research program will study arterial disease in diabetes and understanding the difference in plaque progression and restenosis rates in the diabetic vs. non-diabetic environment with the goal of developing targeted therapies for the vasculature to normalize the redox imbalance of the diabetic arteries.

Dr. Bahnson is originally from Montevideo, Uruguay, the second most southern capital in the world. Dr. Bahnson holds a B.Sc. in Biochemistry from the University of Uruguay, and moved to the US to pursue his doctorate. He received his Ph.D. in Biomedical Sciences working with Drs. Nicola Brasch (Kent State University), June Yun (NEOMED), and Donald Jacobsen (Cleveland Clinic). His dissertation, entitled "Vascular Biochemistry of Vitamin B12," explored the non-coenzyme effects of B12 derivatives on vascular redox homeostasis. For his postdoctoral training, he joined the Simpson Querrey Institute and the Division of Vascular Surgery at Northwestern University. He focused on the prevention of restenosis after vascular interventions using local and targeted redox interventions.

On a personal note Dr. Bahnson enjoys singing (he has been a part of various choruses over the years), and dancing tango. He also enjoys cooking and baking, and going for a walk with his husband Matthew, and their dog Wellington.

Residents!

Want to know what projects faculty are working on? Check out the Mentors and Descriptions page <http://www.med.unc.edu/surgery/education/resident-research-opportunities/mentors-and-descriptions> or contact Dr. Yeh.

UNC thoracic surgeons' project with UNC/NC State biomedical engineers leads to a Medical Innovators Collaborative



Dr. Jason Long (face to camera) and Dr. Andrew DiMeo

Last summer, **Drs. Jason Long (Cardiothoracic Surgery)** and Andrew DiMeo (BME) received \$10,000 for a project with UNC/NC State University biomedical engineers after a Lineberger Center “speed dating” event that linked UNC surgeons and biomedical engineers for research. The idea was to build a collaboration between NC State engineering students and UNC School of Medicine faculty and residents to use a surgery simulation laboratory to develop ideas for innovative devices. Students in DiMeo’s biomedical engineering course made a business plan for the project and recently received a \$85,000 award from the Research Triangle Park, the Medical Innovators Collaborative to make this a reality. Read more in a story by Laura Baverman of ExitEvent.com at <http://exitevent.com/article/medic-launch-with-rtp-grant-university-support-160826>

Submit your abstracts

- September 26 Society of Surgical Oncology <http://www.surgonc.org/>
- September 27 ASCO GI – open to submissions Aug 3 <http://gicasymp.org/>
- September 30 American Hepato-Pancreato-Biliary Association <http://www.ahpba.org>
- October 24 Surgical Education Week <https://surgicaleducation.com/annual-meeting-information>
- November 2 American Thoracic Society http://conference.thoracic.org/program/call_for_abstracts/index.php

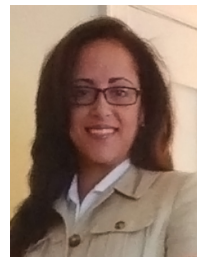
Apply For Grants

- UNC Lineberger Developmental Program (March 15, September 15) <https://unclineberger.org/research/developmental-funding-opportunities>
- TraCS \$2K Grants (**These are great grants for your projects – only a brief 1pp write up**) October 18, November 15, December 20 <https://tracs.unc.edu/index.php/services/pilot-program/tracs-2k-grants>
- TraCS \$5K-\$50K Grants (October 18, June 21) <https://tracs.unc.edu/index.php/services/pilot-program/tracs-5k-50k-grants>

Awards

Dr. Jared Gallaher (PGY 6) received second place in the Clinical Science Resident Paper Competition at the 2016 NC/SC ACS Chapter Meeting (Myrtle Beach, SC) in July.

Dr. Yeh (Surgical Oncology) received a \$3 million NIH grant to study using pancreatic cancer subtypes which her group published in *Nature Genetics* in 2015 to predict therapy response.



Debbie Sanabria

Who to ask for help with grants?

Contact Debbie Sanabria in Pre-Award services **as soon as you think you are applying for a grant** for help with your budget and grant submission and routing. **External grants must** be routed and submitted **one week** ahead of the due date!

Funding opportunity

Organization: Vascular Cures

RFP: Wylie Scholar Program (Limited Submission)

Award Amount: up to \$50,000 per year for up to 3 years

Application Deadline: March 1, 2017

Anticipated Award Notification: not announced

RFP Synopsis: Vascular Cures, in partnership with the Society for Vascular Surgery (SVS) Foundation, is accepting applications from surgeons at the early stages of their careers to help them develop as academic vascular surgeon-scientists. The award may be used to support research in the following areas: basic science, translational, clinical research, outcomes/health services research, teaching, community service, and patient care. To be eligible for consideration, Wylie Scholar candidates must hold a full-time faculty appointment as a vascular surgeon with active privileges at a medical school accredited by the Liaison Committee on Medical Education in the United States or the Committee for the Accreditation of Canadian Medical Schools in Canada. Only one nomination per institution per year will be considered. Award will be made to the institution, not the individual. No indirect costs will be allowed.

To read the full application guidelines, including eligibility requirements, please visit: <http://www.vascularcures.org/research/wylie-scholar-program>

Highlights

• ACS Clinical Congress October 2016

- **Dr. Wesley Stepp** will be presenting a poster titled "Immunoparalysis in Burn Trauma: A Molecular Perspective". Other authors are **Drs. Rob Maile (Burn Surgery)** and **Bruce Cairns (North Carolina Jaycee Burn Center)**.
- **Dr. Marco Patti (Gastrointestinal Surgery)** will be a lecturer in the post graduate course on Esophagus for the general surgery review course. He is also the President of the International Society of Surgeons. Dr. Patti was Visiting Professor at Mount Sinai Hospital in New York City and gave the 17th Annual Ben Fryer Lectureship.
- **Dr. Knowlin (T32 Fellow)** gave a podium presentation for the 2016 Drew Walker Resident Symposium Surgical Section of National Medical Association in July in Los Angeles, CA and was awarded second place for her presentation on "Smoking Status on Burn Inhalation Injury Mortality". Other faculty involved in the project were **Drs. Anthony Charles (General and Acute Care Surgery)** and **Bruce Cairns (North Carolina Jaycee Burn Center)**.
- **Dr. Felicia Williams (North Carolina Jaycee Burn Center)** gave an oral and poster presentation at the International Society for Burn Injuries in Miami, FL. Her oral presentation was on the effects of prostacyclins on oxygenation in patients with inhalation injury and ARDS entitled "Effect of inhaled iloprost on gas exchange in inhalation injury: a pilot study."

New Publications

- Mansukhani NA, Yoon DY, Teter KA, Stubbs VC, Helenowski IB, Woodruff TK, **Kibbe MR (Chair)** Determining if sex bias exists in human surgical clinical research. JAMA Surgery 2016.
- **Patti MG (Gastrointestinal Surgery)**, Fisichella PM, Vela MF, Odell DD, Richter JE, Vaezi MF. The intersection of GERD, aspiration and lung transplantation. JLAST 26:501-505, 2016.
- Andolfi C, Kavitt R, Herbella FA, **Patti MG (Gastrointestinal Surgery)**. Achalasia and respiratory symptoms. Effect of laparoscopic Heller myotomy. JLAST 2016, in press.
- Andolfi C, Bonavina L, Kavitt RT, Konda VJ, Asti E, **Patti MG (Gastrointestinal Surgery)**. Importance of esophageal manometry and pH monitoring in the evaluation of patients with refractory GERD. A multicenter study. JLAST 26:548-550, 2016.
- Del Grande LM, Herbella FA, Bigatao AM, Jardim J, **Patti MG (Gastrointestinal Surgery)**. Inhaled beta agonists bronchodilators do not affect trans-diaphragmatic pressure gradient but decreases lower esophageal sphincter pressure in patients with COPD and GERD. J Gastrointest Surg 2016, in press.

(New Publications continued on next page)

New Publications (continued)

- **Kibbe MR (Chair)**, Pellegrini CA, Townsend CM, Helenowski IB, **Patti MG (Gastrointestinal Surgery)**. Characterization of mentorship programs in departments of surgery in the United States. JAMA Surgery, 2016
- Herbella FA, Andolfi C, Vigneswaran Y, **Patti MG (Gastrointestinal Surgery)**, Pinna BR. Importance of esophageal manometry and pH monitoring for the evaluation of ENT manifestations of GERD. A multicenter study. J Gastrointest Surg, 2016
- Andolfi C, Vigneswaran Y, Kavitt RT, Herbella FA, **Patti MG (Gastrointestinal Surgery)**. Laparoscopic antireflux surgery. Importance of patient's selection and pre-operative work-up. JLAST 2016
- Allaix ME, Long JM, **Patti MG (Gastrointestinal Surgery)**. Hybrid Ivor-Lewis esophagectomy. JLAST 2016 Patti MG. Updates on the treatment of esophageal cancer. JLAST 2016
- Sola M, Kolarczyk L, Teeter EG, Yeung M, **Caranasos TG (Cardiothoracic Surgery)**, Ramm C, Vavalle JP. Application of a multidisciplinary enhanced recovery after surgery pathway to improve patient outcomes after transcatheter aortic valve implantation. Am J Cardiol 2016 (Aug);118(3):118-23
- Arora S, Misenheimer JA, Jones W, Bahekar A, Caughey M, Ramm CJ, **Caranasos TG (Cardiothoracic Surgery)**, Yeung M, Vavalle JP. Transcatheter versus surgical aortic valve replacement in intermediate risk patients: a meta-analysis. Cardiovasc Diagn Ther 2016 (June); 6(3):241-9.
- Welch JD, Williams LA, DiSalvo M, Brandt AT, Marayati R, Sims CE, Allbritton NL, Prins JF, **Yeh JJ (Surgical Oncology)**, Jones CD. Selective single cell isolation for genomics using microfluidic arrays. Nucleic Acids Research Aug 2016.
- Dunn JL, Hunter RA, Gast K, **Maile R (North Carolina Jaycee Burn Center)**, **Cairns BA (North Carolina Jaycee Burn Center)**, Schoenfisch MH. Direct detection of blood nitric oxide reveals a burn-dependent decrease of nitric oxide in response to Pseudomonas aeruginosa infection. Burns June 2016.
- **Gallagher JR (PGY 6)**, Haac BE, Geyer AJ, Mabedi C, **Cairns BA (North Carolina Jaycee Burn Center)**, **Charles AG (General and Acute Care Surgery)**. Injury characteristics and outcomes in elderly trauma patients in Sub-Saharan Africa. World Journal of Surgery July 2016.

Research Resources

Database Manager



Contact **Paula Strassle, MPH** our database manager BEFORE you start a project involving data collection or setting up a database, e.g. chart reviews. She will help you organize and think about things so that you will be able to analyze it when you are ready. Paula is also in charge of NIS, NSQUIP, SEER databases (<http://www.med.unc.edu/surgery/education/resident-research-opportunities/available-databases>) if you would like to use them or have questions about them. She may also point you to other databases that may help you.

Request Paula's help using <http://www.med.unc.edu/surgery/database-manager-request-form>. Paula should be the point of entry for most of you and will communicate with the Biostats Team to distribute expertise/personnel needs.

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Biostats Team

Jason Fine, PhD, Professor of Biostatistics will lead the biostatistics team with the help of his graduate research assistant Daniel Luckett. Request their help using <http://www.med.unc.edu/surgery/contact-forms>.

Suggestions?

Have you been doing research that you think should be included in this newsletter? Do you have any news from your research team, received any awards, published papers? Any other announcements? Let Jen Jen know at the email below!

Happy Fall!

Jen Jen Yeh, MD
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