

Wood Hudson Cancer Research Laboratory

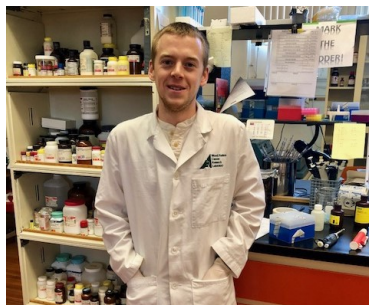
Lab Notes

Spring 2019

The Conquest of Cancer Through Research



5 UREP Students to Begin Medical School in 2019



Kyle Damen, future physician

All of Kentucky is medically underserved. The Undergraduate Research Education Program (UREP) at Wood Hudson Cancer Research Laboratory has the goals of encouraging undergraduates to remain in the science major (Chemistry, Biology, etc.), graduate, and choose careers in science and medicine by giving them hands-on experience in biomedical research and training in scientific communication. So far 92% of UREP participants over the past 37 years have done just that. Thus UREP addresses the unmet need in Kentucky of more healthcare and science professionals.

Everyone at Wood Hudson congratulates the five UREP participants who have recently been accepted into medical school. Three of these students have been accepted into the inaugural class of 35 students at the new University of Kentucky College of Medicine Northern Kentucky Campus. They are: Morgan Bahnsen

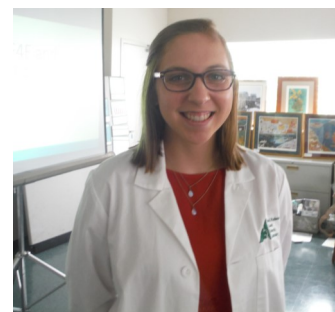
(Thomas More University Graduate), Austin Johnson (University of Kentucky Graduate), and Alex White

(Miami University Graduate). Morgan, an Ohio resident, was also accepted by Ohio University College of Medicine, Dublin Campus and is on the wait list at Wright State University Boonshoft School of Medicine (Dayton, OH), which, of course, would offer her in-state tuition. Kyle Damen (Mt. St. Joseph University Graduate) will be attending



Alex White, another future physician

Marian College of Osteopathic Medicine, Marian University, in Indianapolis, IN. Stefan Marasligiller (Vanderbilt University Graduate) has been accepted by the University of Cincinnati College of Medicine. Stefan is also on the wait list at the Vagelos College of Physicians and Surgeons of Columbia University (NYC). We congratulate these former UREP students and future doctors for these achievements which represent not only intellectual talent but also hard work and perseverance.



Morgan Bahnsen, another future physician

Capital Campaign Announced

The Wood Hudson Cancer Research Laboratory Trustees have announced a Capital Campaign to raise \$250,000. The Campaign goals are in line with the new 3-5 year Strategic Plan, now under development, and the current need for building and equipment maintenance and repairs. We are turning to local foundations and our generous benefactors to raise these funds. With the help of such support from local foundations and our benefactors we were able to raise over \$840,000 a decade ago to build debt-free the 7,500 sq. ft. environmentally controlled Biospecimen Repository Center (BRC) Addition.

The BRC now preserves over 2 million surgical specimens including specimens from over 60,000 cancer patients for research and education and to help patients if their tumor recurs and further tests are required. Now, seven years after opening in 2012, the BRC needs to be water-proofed. Water-proofing treatments are only guaranteed for 5 years. Moreover stainless steel flashing needs to be installed over the windows. Wood Hudson Trustee Mark Shields, a Project Executive with Messer Construction, has obtained a \$35,000 quote from American Façade Renovation to complete this project.

Have you visited the Wood Hudson Cancer Research Laboratory facility recently? Visitors are always welcome but please call first! (859-581-7249 - If we receive an avalanche of requests to this invitation we will host another open house!). If you have visited our institute recently you will notice that our 1922 vintage front doors have major problems and need to be replaced. Mr. Shields has obtained a \$15,000 estimate from A-E Door Company to replace all four of the front doors. This project is essential for the safety and security of everyone and everything inside the building, located in an urban neighborhood. (*continued, bottom page 2*)

New Summer UREP Initiatives

The Wood Hudson Cancer Research Institute is proud to be an inaugural partner in summer 2019 with the Gatton Academy of Mathematics and Science in Kentucky's brand-new Gatton Summer Internship Program (GSIP). The mission of this partnership, (a tax-deductible, private-public commitment), is to provide a project-based summer internship to a Gatton Academy student. Internships can be in any discipline, in any field, and can take many forms. Requirements are simple:

- 1.) Partners provide an eight-week, full-time internship to a Gatton student;
- 2.) Students must have a consistent mentor-supervisor to seek guidance;
- 3.) Students work on a specific project with an outcome as the goal; and
- 4.) The mentor-supervisor assesses the student at summer's end.



Wood Hudson has already firmly supported The Gatton Academy, having worked with six Gatton students since 2009. These alumni have gone on to successful undergraduate, graduate, and medical school careers. Dr. Julia Carter was honored as The Gatton Academy's Commencement Speaker in 2017 as the school graduated its ninth graduating class.

We look forward to continuing our relationship with The Gatton Academy through this innovative endeavor, which helps to prepare our Kentucky STEM students for successful futures. If your company or organization is interested in hosting a Gatton Academy student intern, Cheryl Kirby-Stokes, Academic Opportunities Coordinator, can be contacted at Cheryl.kirby-stokes@wku.edu.

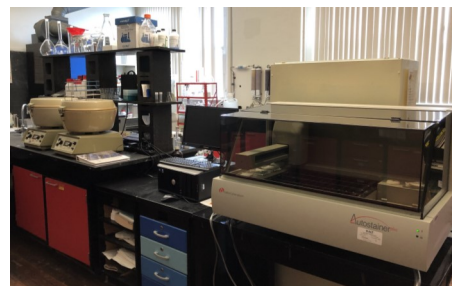
The two students from The Gatton Academy who will be participating in UREP this summer are Natalie Cooper and JT Reagor. Natalie and JT are technically high school Juniors, but are now completing their Freshman year at Western Kentucky University. Other summer UREP students include: Louis Fritz, a Morehead State University, Craft Academy for Excellence in Science graduate who will be beginning as a Junior at the University of Louisville; Audrey Giesler, a rising Junior at Eastern Kentucky University; David Kelly, a rising Senior at Thomas More University; Ryan Moore, a rising Senior at Northern Kentucky University; Michael Parritt, a rising Senior at Xavier University; Olivia Frederick, a rising Senior at Ohio State University and Adam Neltner, a rising Junior at Ohio State University. These ten students will participate in ongoing research projects studying breast, bladder, and ovarian cancers.

Wood Hudson Cancer Research Laboratory thanks the generous supporters who have made it possible to pay undergraduates while they participate in UREP, thus providing much needed funds to help support their college expenses. The R.C. Durr Foundation (Northern Kentucky) continues their generous support for this program in 2019 with a multi-year grant. The William Randolph Hearst Foundation (New York) funded two scholarship endowments at Wood Hudson twenty years ago. These funds were used to purchase two homes in our Newport neighborhood and renovate them with other funds from the community. Rental income from these homes continues to support the salaries of UREP students each year. So far the initial gift of \$100,000 has generated over \$125,000 in scholarships for UREP students – and we still own and continue to rent the homes and support students with this rental income.

Capital Campaign Continued

Needless to say, our research equipment is heavily used and must be maintained. On average, annual maintenance for high-end scientific equipment is \$5,000-\$7,500 per instrument and repairs can cost even more. Right now, we have 6 pieces of equipment that need maintenance, repairs, or need to be replaced. The new 3-5 year Strategic Plan now being developed states as a goal to increase the breadth of our research – expanding our research of cancer immunology and genetics while maintaining the current focus on pathology, biomarkers, and molecular biology. This will require additional high-end scientific equipment and additional highly skilled professional staff.

Clearly, the current \$250,000 goal will not cover all these projects, however one has to start somewhere and every project has to be built one brick at a time. The Trustees, Students, and Staff thank you for your past support which has made it possible to reach multiple past goals. We ask for your continued support as we move forward with this 2019 Capital Campaign.



One of two DAKO Autostainers that need annual servicing

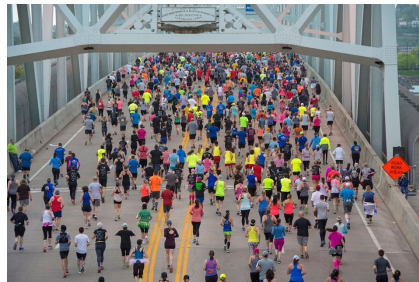
Flying Pig Marathon



The 2019 Flying Pig Marathon will take place on Sunday May 5th. Wood Hudson is a Flying Pig Partner Charity again this year. However the Flying Pig has engaged a Canadian firm, Race Roster, to manage the registration fees, donations, pledges and disbursements of funds directly to the bank accounts of the Charitable Partners. The Trustees of Wood Hudson do not approve disclosing sensitive financial and personal information. Because of this change, Wood Hudson Cancer Research Lab will not be receiving a portion of the registration fee and will not be receiving donations and pledges directly from the Flying Pig. It will be up to the participants running for Wood Hudson to make sure pledge money is sent to us.

The Flying Pig has always been an important fundraising event for the Wood Hudson Cancer Research mission, especially for the Undergraduate Research Education Program (UREP). We are looking for sponsors and donors to make a direct contribution to Wood Hudson to make up the difference for the on-line donations made through the Flying Pig Website. A donation envelope is enclosed with this newsletter for your convenience. Sponsor levels include: Titanium \$2,500, Platinum \$1,000, Gold \$500, Silver \$250, Bronze \$100, General Donation \$1-99. You will receive a written acknowledgement for this tax-deductible donation and your gift will be acknowledged in our Newsletter and on our website (unless otherwise requested).

The Lab is also selling Flying Pig Raffle Tickets to raise money directly. The tickets are \$5 per ticket. First prize is a \$5,000 cash prize to the winner and another \$5,000 cash prize to the Flying Pig Partner Charity (hopefully, Wood Hudson Cancer Research Laboratory!) who sold the ticket. Second prize is a two year lease on a Toyota Prius. Third prize is a \$1,500 weekend in Cincinnati. Please call Wood Hudson to order your Flying Pig Raffle Tickets. These tickets sold like “hot cakes” at the St. Andrew’s Spaghetti Dinner fundraiser (see below) – so hurry to get yours!



Thank you St. Andrew’s Church for your Support!

Our heartfelt thanks go to Father Jeff Queen and the congregation of St. Andrew’s Episcopal Church, Ft. Thomas, KY who recently raised over \$1,500 to support the 2019 Summer UREP students at Wood Hudson. Working under the direction of Debbie Wilshire (who makes a delicious spaghetti sauce) the Episcopal Church Women (ECW) led by Jill Spears, President, put on a marvelous spaghetti dinner that was complemented by delicious home-made desserts from other ECW members. Young people in the Episcopal Youth Commission (EYC) also helped with the project including set-up and take down. Ticket sales for the dinner raised \$775, with an additional donation of \$250 from the Rector’s Discretionary Fund bringing the total income for the dinner to over \$1,000.

During the spaghetti dinner and after church on Sunday, Flying Pig Raffle Ticket sales promoted and organized by Inge Sexton, a long-time Wood Hudson volunteer and member of St. Andrew’s, resulted in the sale of 100 Flying Pig Raffle Tickets. Wood Hudson receives the entire amount of the \$5 ticket sales, thus the St. Andrew’s congregation raised another \$500 for UREP through purchase of the Flying Pig Raffle Tickets (see above article).

The 2019 UREP budget for salaries of students and their mentors is \$64,000 for the 14 week program. These generous donations of time, talent and treasure by Father Jeff Queen and the congregation of St. Andrew’s Church are truly appreciated as we continue our fund-raising efforts for this program that supports the health and well-being of our community (see page 1).





**Wood Hudson
Cancer
Research
Laboratory**

**931 Isabella St.
Newport, KY 41071
859-581-7249
www.woodhudson.org**

**Working towards The Conquest of Cancer
Through Research**



**Scan the QR code with your Smartphone to
be directed to our “Donate Page” where you
can make a donation to Wood Hudson!**

Wood Hudson Cancer Research Laboratory
is a 501(c) (3) not-for-profit organization
and a Guidestar Gold Level Charity!

WAYS TO HELP THE WOOD HUDSON CANCER RESEARCH MISSION

Please support our Flying Pig Fundraiser with a donation!

Sponsors: Levels range from: Titanium \$2500+, Platinum \$1000-\$2499, Gold \$500-\$999, Silver \$250-\$499, Bronze \$100-\$249, General \$1-\$99

Runners: Runners who designate Wood Hudson as their charity of choice receive a Discount Code to enter when they sign up at flyingpigmarathon.com. Please contact the Lab at (859) 581-7249 to get the discount code.

Pledges: Runners for Wood Hudson can collect pledges from other persons/companies—and all the pledges are mailed directly to Wood Hudson.

Raffle Tickets: Tickets are available at Wood Hudson for \$5 each—for chances to win \$5,000 cash prize, with another \$5,000 donated to the charity that sold the winning ticket. Second and Third place prizes are also available; see previous page. Drawing will be held on May 3rd (see flyingpigmarathon.com).

General Donations: You can mail in your donation with the enclosed envelope, or scan the above QR code with your smartphone to take you to the donate page on the Wood Hudson website.

Wood Hudson Mission Statement

Wood Hudson Cancer Research Laboratory, Inc. is a professional, independent, not-for-profit, publicly supported, research institute dedicated to the discovery of new knowledge regarding the causes, diagnosis, treatment, and prevention of cancer. Because the Laboratory is a not-for-profit enterprise, no organization or individual profits financially from its operation, and all discoveries resulting from ongoing research are freely given to the scientific and medical community through promptly reported peer-reviewed publications.

Wood Hudson approaches the cancer problem three ways:

- 1) study of clinical cases** and experimental models of cancer to learn new methods of cancer prevention, diagnosis, prognosis, and treatment;
- 2) study of environmental causes** of cancer, particularly food and drinking water chemicals, and
- 3) provision of training and “hands-on” research experience** for tomorrow’s scientists and physicians through its Undergraduate Research Education Program (UREP).