



July 2023 eNews

Wood Hudson 22nd Annual
Car Show
**Saturday,
August 12, 2023**

Rain or Shine!

Join us at *Hofbrauhaus—Newport*
**** 200 Third Street, Newport, KY**

OPEN TO FIRST 175 VEHICLES

**All makes of cars and trucks
welcome!**

Separate awards for Corvettes!

<u>Corvette</u>	<u>Non-Corvette</u>
C1—C6	Pre-1981
C7—C8	1981-2004
Best Corvette	2004-newer
	Best In Show

Registration from 8:30-11:00 AM

Super Door Prizes!

Music by DJ Ray!

Bourbon Raffle

50/50 split the pot

All proceeds benefit Wood Hudson Cancer Research Lab. Hosted by the Ft. Thomas Corvette Club.



Wood Hudson Cancer Research Lab Welcomes Gatton Academy Students Again in 2023



Since 2009, Gatton Academy students have had the distinct honor of being a part of Wood Hudson's Undergraduate Research Education Program (UREP). Established in 2007, the Gatton Academy of Mathematics and Science, a competitive, residential, STEM-focused program for Kentucky Juniors and Seniors in high school,

has endeavored to provide its students with challenging and formative summer opportunities, and Wood Hudson has been there almost from the beginning. In all, Gatton has sent 14 students to this stellar program, some of them repeats. Each student who has been a part of UREP has specifically looked for research at that introduces them to the complexities of cancer and will provide them the background to continue their biological studies as undergraduates. Wood Hudson never disappoints. And even though Gatton students are considered high schoolers, technically they are Freshmen and Sophomores at Western Kentucky University, where the program is housed. Wood Hudson, and Dr. Julia Carter in particular, has graciously opened the opportunity to our students, giving them a leg up for those all-important college applications and resumes. Many have gone on to careers in medicine, and all have continued pursuing research at their current institutions. Academic Opportunities Coordinator Cheryl Kirby-Stokes says, "It has been a real joy working with Dr. Julia Carter and the entire staff at Wood Hudson. They welcome our students and treat them just as they would any other undergraduate student. The experiences they obtain prepare them as undergraduate researchers and help them excel because of their early work in a laboratory with experts." Something else Gatton truly appreciates was the ability of Wood Hudson to pivot and give our students altered research work through the pandemic years of 2020 and 2021. When it seemed like every institution was closing the books on those sad summers, Wood Hudson remained open and vibrant. Thank you!

Brody Johnson, a Wood Hudson UREP participant from 2022, said about his experience, "Wood Hudson's UREP program prepared me for a career in medicine by providing me

with excellent mentor figures, all seasoned in their respective fields, who were more than happy to share their expertise and advice regarding research, clinical medicine, and the field of cancer biology in general.” These mentors included Dr. Julia H. Carter, Prof. Diane Willkening Gilb, Dr. Ronald D. Snyder, Dr. Larry E. Douglass, and Dr. Erik Bey. Not only did this program give Johnson a new appreciation for the work going into cancer research, but he also had the chance to meet like-minded individuals pursuing similar goals.

Gatton has again sent students to UREP 2023, and we are positive their work this summer will make them better-prepared researchers and colleagues wherever they land. The Academy feels privileged to continue working with the UREP program and looks forward to many more years of productive and progressive collaborations with our students.



The UREP Experience as Told by Students



I am Isabel Enzweiler, a sophomore pre-med student at Thomas More University. I am a student athlete and shoot archery at TMU. I am a biology major, and this opportunity really expanded my knowledge of cells and their growth. I really enjoyed working in the lab and running through the processes required to stain the ovarian tissue samples. I learned a lot about sterile code and even learned how to successfully coverslip with no air bubbles. This experience has been amazing, and Dr Carter, Dr. Douglass, and Dr. Deddens have taught me so many important skills I know I can use in my pursuit of med school. I am very grateful to be able to be part of UREP at Wood Hudson.

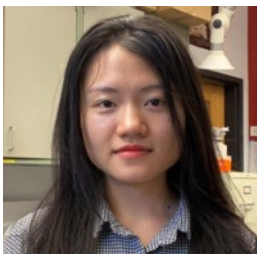


My name is Isabella McIntosh, and I am an incoming Freshman to the University of Kentucky as a Biology major on a pre-vet track. I learned about Wood Hudson through opportunities at the Gatton Academy of Mathematics and Science. I wanted to get some experience outside of working with animals, and I found just that while working with Wood Hudson. I have learned many new skills in the lab, including western blot procedures, comet assay, using a biosafety cabinet, cell cultures, microscopy, and more. I found that working in the lab helped to build on what I learned, and I became comfortable with procedures that would be difficult to understand from only reading papers. I was also able to learn in detail about cancer through fruitful presentations and readings. Overall, working as an intern at Wood Hudson was a positive and fulfilling experience.

Thank you for a great summer!



My name is Kevin Ruhnke. I am currently going into my Junior year at the University of South Carolina in Columbia. I major in Biomedical Engineering with the hope to further my education career in grad school. Working in the labs at Wood Hudson has provided me with an invaluable experience that I otherwise would not have had this summer. Working hands on in the lab with Dr. Erik Bey on breast cancer research provided me with the experience of working in the lab and the knowledge of several lab techniques of cell research that I would not have known otherwise. Both in and out of the lab I was able to further my knowledge of the inner mechanisms of cancer and treatment methods as a whole.



Men Tran writes: As an international student at Northern Kentucky University, there are not many opportunities for me to gain experience relating to science research off-campus. Wood Hudson opened a new door for me to research lab, especially the field that I had always wanted to be involved in- cancer research. Starting from October 2022, I have been doing research at Wood Hudson Cancer Research Laboratory for almost a year. This experience has been a valuable experience for me, paving the way for my future career in research. Working at Wood Hudson has not only honed my technical skills but also instilled in me a deeper appreciation for the impact of research in advancing medical knowledge and potentially paving the way for new

therapeutic approaches in cancer treatment. I am committed to dedicating my efforts and passion to furthering our understanding of cancer and making a positive difference in the lives of those affected by this disease.



Susan Sterling writes: I first began college in the Fall of 2020. The pandemic was changing every aspect of our lives during this time and as a college student, I was also affected by these changes. I completed many of my labs asynchronously or in a partially online environment. Because of this, I feel I did not get the full experience out of my labs that previous students had received. Since joining the UREP program at Wood Hudson Cancer Research Laboratory, I feel that this program has not only made up for any experience I may have missed out on, but surpassed what I would have been able to learn in a classroom setting. As a UC student, our class sizes are large. In the lab I work in as a UREP student, I am able to work with Dr. Carter hands on and gain invaluable experience. Working with our pathologist, Dr. Douglass, has also provided me with incredible insight as I am able to work with someone who has a vast amount of experience. I feel that I am able to ask more questions than in a traditional classroom setting and gain deeper insight into what we are studying.

Overall, the UREP program has been invaluable to me as a student, and I know that it will help me in my future endeavors. Working with such skilled scientists has helped me develop my own skills beyond that of my peers who only have the classroom environment. I am ever grateful to Dr. Carter and the Wood Hudson team for the experience they have provided me as a UREP student.



Hi! My name is Addison Hoskins. I graduated from The Gatton Academy in the Class of 2023. As of Fall 2023, I will be attending The University of Louisville as a Biochemistry major and Deaf Studies minor. Following graduation, I hope to attend medical school and have a long career as a physician.

The Undergraduate Research Education Program (UREP) has allowed me to gain valuable skills in the lab, as well as knowledge on specific cancers and general cancer behavior. While working at Wood Hudson, I had the opportunity to study ovarian cancer and investigate the relationship between intensity of cancer tissue staining and the type

of tumor. I worked with Dr. Julia Carter and a team of other undergraduate students to complete lab work, study slides with a pathologist, and write a report on our study. My favorite parts of UREP were completing lab tests and learning the biology behind why the tests are useful.

The Summer UREP students made their final statements on July 26th, the last day of the program.

UREP Students with Dr. Jim Deddens, Professor of Mathematics at University of Cincinnati, who gave guest lectures to the students on experimental design and statistical analysis of data.



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