

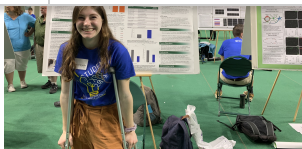


Spring - Summer 2019

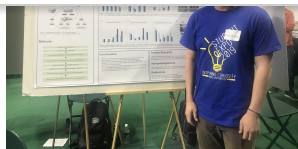
Ohio University Student Expo

Written By: McKenna Michel

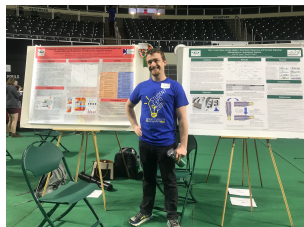
On April 11, Ohio University held its annual Student Expo at the Convo. There ended up being 850 presenters, 250 judges, and 2,000 attendees. The Student Expo has been in existence for 15 years and it provides the opportunity for hundreds of undergraduate, graduate, and medical students to gather and present their original work. Projects have included documentary film making, robotic lawn mowers, innovative theater costumes, and presentations on the latest findings from medicine, astrophysics, education, and environmental science. Many students here at EBI attend the expo each year and this year we had 19 students present! These students include Veronica Bahamondes Lorca, Yuxi Zhou, Charlotte Yang, Silvana Duran, Colin Kruse, Prateek Kulkarni, Todd McHugh, Joseph Terry, Elizabeth Jensen, Delaney Geitgey, Maria Onusko, Jaycie Kuhn, Savannah McKenna, Julie Slyby, Emily Davis, Yanyang Cao, Pratik Shriwas, Alexandra Hearne, and Abby Hearne. Several of these presenters won awards too! A few presenters from EBI won J1st awards, which is when the judges combine the 1st and 2nd place awards and split them between an undergraduate and graduate presenter. The J1st winners were Veronica Bahamondes Lorca, Emily Davis and Alexandra Hearne. Elizabeth Jensen, Silvana Duran and Colin Kruse all won 2nd. Congrats to all of you!



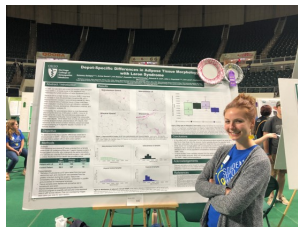
Maria Onsuko



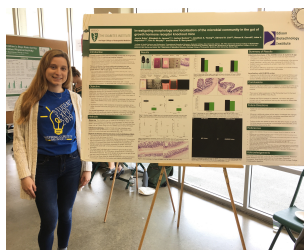
Todd McHugh



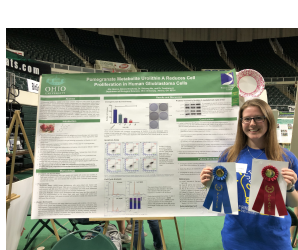
Colin Kruse



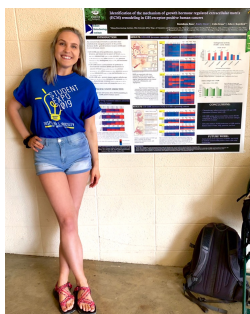
Delaney Geitgey



Jaycie Kuhn



Alexandra Hearne



Emily Davis

EBI PI's NIH Grant Funding

Written by: Hannah Walker

Congratulations to Dr. Shiyong Wu, Principle Investigator, Director of EBI, and Professor of Chemistry and Biochemistry, along with the co-investigator of the project, Dr. Lingying Tong (Assistant Investigator, EBI) and their collaborators, Dr. Dawn Sammons (Dermatology, OU), Dr. Hao Chen (Chemistry, NJIT), and Dr. Wei Liu (Mathematics, OU) on their recent NIH R01 funding. The project titled, "Molecular mechanisms of cNOS-mediated NF-kappa B activation in regulation of ultraviolet B light-induced photocarcinogenic responses" totals \$1,698,750 over the next 5 years.

Associate Professor of Microbiology for receiving grant funding from the National Institute of Health (NIH). Dr. Chen is the Principal Investigator on this 3 year grant totaling \$450,487. This NIH project is titled, "Extracellular ATP in cancer: mechanism study of ATP internalization and ATP-induced drug resistance in cancer cells and tumors." This is an exciting time for EBI!

Nobel Prize Winner Visited EBI

Written By: Rachel Beha



Dr. Venki Ramakrishnan, winner of the 2009 Nobel Prize in Chemistry, returned to campus to receive an honorary degree at OU's Graduate Commencement on May 3, 2019 . While on campus, he also visited EBI!

Dr. Ramakrishnan graduated from Ohio University in 1976 with a Ph.D. in physics and subsequently shifted his focus to structural biology. He shared the 2009 Nobel Prize in Chemistry for groundbreaking work revealing the structure of the ribosome.

He is currently President of the Royal Society and Group Leader at the Medical Research Council Laboratory of Molecular Biology in Cambridge, UK.

Dr. Ramakrishnan is pictured in the front row, third from the right with EBI faculty, staff and students.

CNN Interview with Dr. John



On April 16, Dr. Kopchick was interviewed by CNN focusing on a book entitled, *The Family Gene* by Joselin Linder. Joselin's father died of a disease that has yet to be defined. At the Ohio University Osteopathic Annual meeting in Columbus, Ohio in 2017, Rick Vincent asked Dr. Kopchick to chair a symposium session on this book and Joselin's story. In addition to Dr. Kopchick, they had two doctors and Joselin as presenters. Joselin's father was a Doctor of Osteopathy (DO) who practiced in Columbus. In his early 40's, he was afflicted by swelling of his legs and abdomen, loss of appetite, and several other conditions. He traveled the country to doctors who tried to diagnose the disorder and of course, he was trying so desperately to diagnose himself. He ended up at Brigham Woman's Hospital in Boston and was treated by a physician, Dr. Christine Seidman. Four years later, Joselin's father passed away. Dr. Seidman and her colleagues narrowed the cause down to one gene containing the mutation. Whether this mutated gene is the 'real cause' of the disease is still unknown. Four others in Joselin's family had/have the mutated gene. In addition to Joselin's great grandmother and great, great grandmother who have passed away and were thought to have the mutated gene, two other male relatives of Joselin have died. It seems to be most acute in men rather than women and is X chromosome-linked. Several years ago, Joselin noticed some swelling of her lower legs, which seems to be one of the first signs of the disease. Joselin began to investigate the disorder and was able to show that it 'was in her family' for four generations. This is what Joselin's book, "The Family Gene" is all about. What an amazing opportunity for Dr. Kopchick to share Joselin's story with CNN!

EBI in the Spotlight - Perspectives Magazine

Written By: McKenna Michel

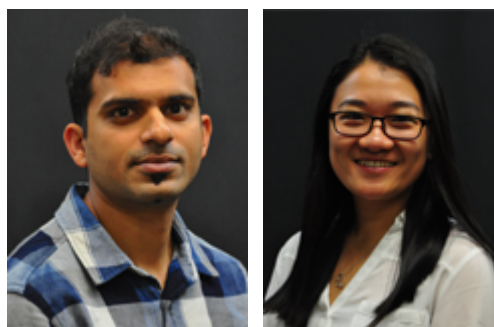


Perspectives Magazine, Ohio University published their fall/winter 2018 magazine. If you haven't seen it yet, you should check it out! Dr. John Kopchick and his lab were featured on the cover and on pages 18-21 is an incredible article! Perspectives does a phenomenal job acknowledging the exceptional on-going research being executed here at EBI. Click on the link below to learn more!

https://issuu.com/perspectivesmagaz.../docs/perspectives_f_w18

Internal Research Awards

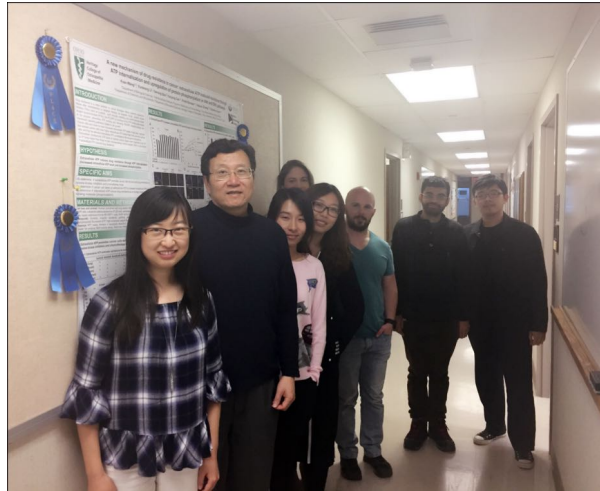
Written By: Hannah Walker



Congratulations to Dr. Reetobrata Basu (left), Research Associate I at EBI for receiving the Spring 2019 OURC award for \$8,000, and also to Dr. Yanrong Qian (right), Research Associate I at EBI for receiving \$11,999 from the John C. Baker fund. Way to go!

American Association for Cancer Research

Written By: Yanyang Cao

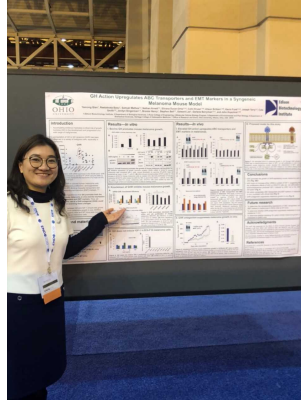


Dr. Xiaozhuo Chen with graduate and undergraduate students from his lab.

AACR is one of the largest cancer research meetings in the world. This meeting brings together some of the world's most respected cancer scientists who will share the latest in cancer research treatment, and prevention. The American Association for Cancer Research (AACR) Annual Meeting this year was held in Atlanta, Georgia from March 30 - April 3, 2019. Conference presentation allows us to present our most current results and receive feedback and suggestions from colleagues, which will help us to develop better strategies for solving research questions in future studies. During the conference, we have excellent opportunities to attend numerous exciting symposia, poster sessions, discuss with experts and learn valuable information from other cancer researchers. This event help us to keep up with the cutting-edge research of the field. By meeting the researchers with common interests in cancer field will foster future collaborations with the scientific teams from various research laboratories and universities. Yanyang Cao, Pratik Shriwas and Haiyun Zhang in Dr. Xiaozhuo Chen's lab attended the AACR meeting in Georgia this year.

Endocrine Society Conference 2019

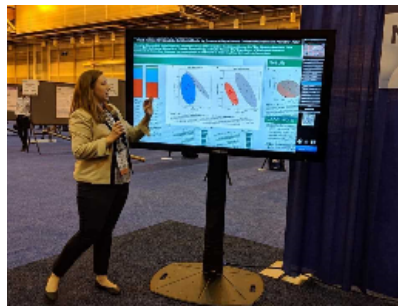
Written By: Sam Mathes



Dr. Yanrong Qian



Colin Kruse



Elizabeth Jensen

This past March, members of the Kopchick lab attended the annual international Endocrine Society Conference in New Orleans. Everyone in attendance presented their research in the form of a poster, with three members of our group selected to participate in the Presidential Poster Competition. Dr. Yanrong Qian, Research Associate I, EBI, presented her work involving the effect of growth hormone (GH) on melanoma progression and development in mice, DO/PhD student Elizabeth Jensen presented her findings on GH's influence on the gut microbiome, and PhD student Colin Kruse presented his work, complementary to Yanrong's, on elucidating the effects of GH on melanoma from a bioinformatics perspective, utilizing human patient derived data. Each gave exceptional, extremely succinct presentations within the three minutes allotted to each of them. Yanrong and Elizabeth ended up winning within their categories of tumor biology and neurology/pituitary respectively; two major achievements for the Kopchick lab family.

Dr. Kopchick Receives Outstanding Innovation Award

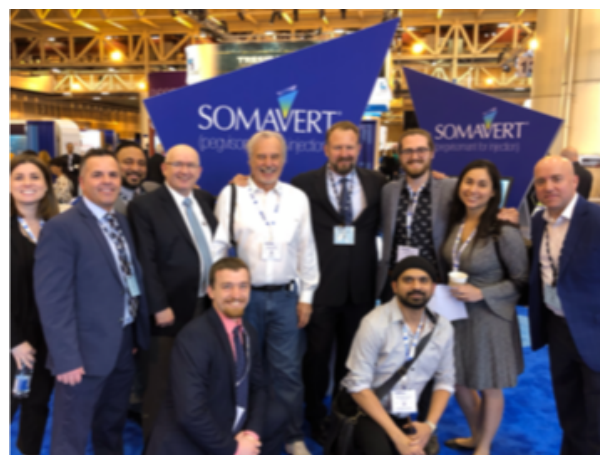
Written By: Sam Mathes



Dr. John Kopchick

Perhaps the highlight of the conference, Dr. John Kopchick, Ph.D. was granted the Outstanding Innovation Award for his critical role in the development of Pegvisomant (commercially known as Somavert), a growth hormone antagonist used globally in the clinical treatment of patients with acromegaly. According to the Endocrine Society, the award is reserved for “endocrinologists who have demonstrated innovation and entrepreneurship to further endocrine research or practice in support of the field of endocrinology, patients, and society at large”. There was a formal award reception ceremony followed by a masterfully crafted and presented lecture given by Dr. Kopchick, that many of us who have seen him present his work in the past, and even he himself, might argue was one of the best he’s ever given.

Supported by both his family and the members of his lab, Dr. Kopchick had the entire room (at capacity) both entirely enthralled, as well as laughing hysterically at all the right moments. Later that night, after the conference, there was a reception held in honor of Dr. Kopchick at the Bourbon Cowboy on Bourbon Street, where Dr. Kopchick, accompanied by his friends, family, and lab, celebrated tirelessly in honor of this one-of-many-achievements out of a career of successes, Kopchick Style.



Pictured in front of the Somavert signs on display at ENDO 2019 are Dr. John Kopchick (center) with lab members and friends from Pfizer.

3rd International Symposium on Growth Hormone and Metabolism

Written By: Hannah Walker



Dr. Ken Johnson, Dr. John Kopchick, Dr. A.J. Van Der Lely and Dr. Darlene Berryman

On June 12th, over 100 people attended the 3rd International Symposium on Growth Hormone and Metabolism that was held at the Ohio University Heritage College of Osteopathic Medicine. Scientists from around the world gathered together to discuss various different topics that had to do with new research on growth hormone (GH) and how to use it in cases of diabetes, obesity, and acromegaly. To read the full story, [click here!](#)

Authority Board Meeting

Written By: Rachel Beha



EBI Staff and Board Members

EBI's annual Authority Board Meeting was held March 6th at the OU Inn. Thank you to President Nellis (board chair), all of the board members, presenters and guests in attendance. It was a successful meeting with valuable discussion and inspiring ideas looking forward to our promising future!



[EXPLORE EBI](#)

This email was sent to <<Email Address>>

[why did I get this?](#) [unsubscribe from this list](#) [update subscription preferences](#)

Edison Biotechnology Institute · Ohio University, Edison Biotechnology Institute · 172 Water Tower Drive, 101 Konneker, Bldg. 25 · Athens, OH 45701 · USA

