BALTIMORE POLYTECHNIC INSTITUTE

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Baltimore Polytechnic Seniors Holland Low and Kaif Ur Rehman recognized by the nation's most prestigious high school science competition

BALTIMORE, MD – Holland Low and Kaif Ur Rehman, seniors enrolled in The Ingenuity Project at Baltimore Polytechnic Institute (Poly), were selected as top 300 Scholars in the 2023 Regeneron Science Talent Search. This year's 1,949 applicants hail from 194 American and international high schools in 35 states and China. Students applied from 627 high schools across 48 states, Washington, D.C., Puerto Rico and four other countries. Scholars were chosen based on their outstanding research, leadership skills, community involvement, commitment to academics, creativity in asking scientific questions and exceptional promise as STEM leaders demonstrated through the submission of their original, independent research projects, essays and recommendations.

The Regeneron Science Talent Search recognizes and empowers our nation's most promising young scientists who are generating innovative solutions to solve significant global challenges through rigorous research and discoveries. It provides students with a national stage to present new ideas and challenge conventional ways of thinking.

Holland studied, "*The Impacts of Modulating Reaction Time on Active Sensing in Weakly Electric Fish*" under the mentorship of Dr. Noah Cowan at The Locomotion in Mechanical and Biological Systems (LIMBS) laboratory in the Johns Hopkins Whiting School of Engineering.

Kaif's project entailed the *"Analysis of Carbon Isotopic Values and Small Shelly Fossils of the Poleta Formation in the Lower Cambrian"* under the supervision of Dr. Emmy Smith and Val Aguilar at The Smith Lab in the Department of Earth and Planetary Sciences at Johns Hopkins Krieger School of Arts and Sciences.

Dr. Nicole Rosen, The Ingenuity Project Research Director shared that, *"Holland and Kaif have been a pleasure to work with. Their scientific curiosity and rigor as researchers have been an inspiration. I am confident that their continued research in STEM fields will make a positive impact."*

Lisette Morris, The Ingenuity Project director shared that, *"Faculty and staff of Poly and The Ingenuity Project are deeply respectful of these students' accomplishments and proud to have helped launch their important work. Since 2005, The Ingenuity Project Poly students have now been recognized as semifinalists 20 times, and as finalists three times. Many of the prior award recipients have received terminal degrees in their fields of speciality, become faculty and researchers in STEM fields, recognized in peer-reviewed scientific publications, and included in the submissions of patents."*

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About The Ingenuity Project

The Ingenuity Project (a 501C3 nonprofit) has worked in collaboration with the Baltimore City Public School System since 1992 to provide students in grades 6-12 with a free, advanced math, science, and off-campus STEM research program. The Ingenuity Project excels at preparing and launching Baltimore City's next generation of diverse nationally-competitive STEM leaders by delivering math and science curriculum through a team of math and science teachers with expertise in mathematics and science. Since 2017, Ingenuity has been expanding the number of available seats in the program, and added a new middle school in 2019 at James McHenry Elementary/Middle School. Ingenuity currently serves close to 900 Baltimore City students in four middle schools (Hamilton, James McHenry, Mount Royal, and Roland Park) and a high school program at Baltimore Polytechnic Institute. For more information on Ingenuity, please visit The Ingenuity Project or connect with us on Facebook at www.facebook.com/theingenuityproject/ and Twitter @IngenuityPro93

About Baltimore Polytechnic Institute (Poly)

Baltimore Polytechnic Institute "Poly" is a citywide magnet high school in Baltimore City Public Schools that provides a rigorous college preparatory curriculum in the Science, Technology, Engineering, and Mathematics (STEM) fields. With a student body of more than 1,600 students and 85 teachers, Poly is committed to ensuring that all students have access to college and post-secondary opportunities. Poly was founded in 1883 as a school for male students interested in manual arts. It quickly became recognized for preparing boys to enter careers in math and engineering. In 1952, Poly became Maryland's first public high school to racially integrate the student body and in 1974, Poly officially became coeducational when it began admitting female students. Today, Poly is an award winning Blue Ribbon School and was ranked #36 Best STEM High School and #1 in Maryland in Newsweek 2020. www.bpi.edu @official_baltimorepoly

About the Regeneron Science Talent Search

Society for Science is a champion for science, dedicated to promoting the understanding and appreciation of science and the vital role it plays in human advancement. Established in 1921, Society for Science is best known for its award-winning journalism through Science News and Science News Explores, its world-class science research competitions for students, including the Regeneron Science Talent Search, the Regeneron International Science and Engineering Fair and the Broadcom MASTERS, and its outreach and equity programming that seeks to ensure that all students have an opportunity to pursue a career in STEM. A 501(c)(3) membership organization, Society for Science is committed to inform, educate and inspire. Learn more at www.societyforscience.org and follow us on Facebook, Twitter, Instagram, LinkedIn and Snapchat (Society4Science).

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