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The ACMG Foundation for Genetic and Genomic Medicine Presents a Takeda/ACMG Foundation Next Generation Fellowship Award to Jasmine Knoll, MD

BETHESDA, MD – April 17, 2020 | Jasmine Knoll, MD is the recipient of a 2020 **Takeda/ACMG Foundation Next Generation Fellowship Award**. Dr. Knoll's award is in addition to the two Takeda/ACMG Foundation Next Generation Fellowship Awards that were announced in March 2020. This award is part of the fourth set of awards given after Shire—now part of Takeda—made a \$1.8 million commitment in 2017 to support the training of future medical geneticists.

The Takeda/ACMG Foundation awards provide funding for two different specialties in 2020, including two Medical Biochemical Genetics Subspecialty Fellowship Awards and a Clinical Laboratory Biochemical Genetics Training Award. Dr. Knoll, a board-certified pediatrician and geneticist at Boston Children's Hospital and Harvard Medical School, has been awarded a Medical Biochemical Genetics Subspecialty Fellowship Award.

Dr. Knoll completed her residency training in a combined pediatric-genetics residency program at Johns Hopkins Hospital. Her academic work focused on educational development for medical students and residents, as well as optimizing equitable access for genetic testing in at-risk populations. Dr. Knoll will continue at Boston Children's Hospital for her medical biochemical genetics fellowship. Her research interests lie in the application of network-based analysis of large data sets to derive polygenic interactions that influence phenotypic expression. Utilizing this technique, she hopes to improve disease modeling and identify novel targets for therapy and monitoring. The focus of her clinical project will be a multi-omics evaluation of individuals with Gaucher disease including an analysis of the biologic impact that occurs at the time of an enzyme replacement infusion.

Upon receiving the award, Dr. Knoll said, "I am honored to receive the 2020 Takeda Next Generation award. This award enables me to pursue my long-time passion for biochemical genetics and promotes research to further our understanding of lysosomal storage disorders. Thank you to our industry sponsors and the ACMG Foundation and all of those who worked hard to make these awards possible. I am incredibly grateful for the opportunity to continue my training and research and be a part of the 'next generation' of geneticists hoping to advance the field of inborn errors of metabolism to improve the lives of our patients and families."

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Bruce R. Korf, MD, PhD, FACMG, president of the ACMG Foundation said, “We are grateful to Takeda for their ongoing commitment to training of clinical and laboratory geneticists. The explosion of genetics and genomics applications in medicine make the need for such training greater than it has ever been.”

About the ACMG Foundation for Genetic and Genomic Medicine

The ACMG Foundation for Genetic and Genomic Medicine, a 501(c)(3) nonprofit organization, is a community of supporters and contributors who understand the importance of medical genetics and genomics in healthcare. Established in 1992, the ACMG Foundation supports the American College of Medical Genetics and Genomics (ACMG) mission to “translate genes into health.” Through its work, the ACMG Foundation fosters charitable giving, promotes training opportunities to attract future medical geneticists and genetic counselors to the field, shares information about medical genetics and genomics, and sponsors important research. To learn more and support the ACMG Foundation mission to create “Better Health through Genetics” visit www.acmgfoundation.org.

Note to editors: To arrange interviews with experts in medical genetics, contact ACMG Senior Director of Public Relations Kathy Moran, MBA at kmoran@acmg.net.

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