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### **GWU Alumna Researches Renewable Energy Sources as Part of Doctoral Program**

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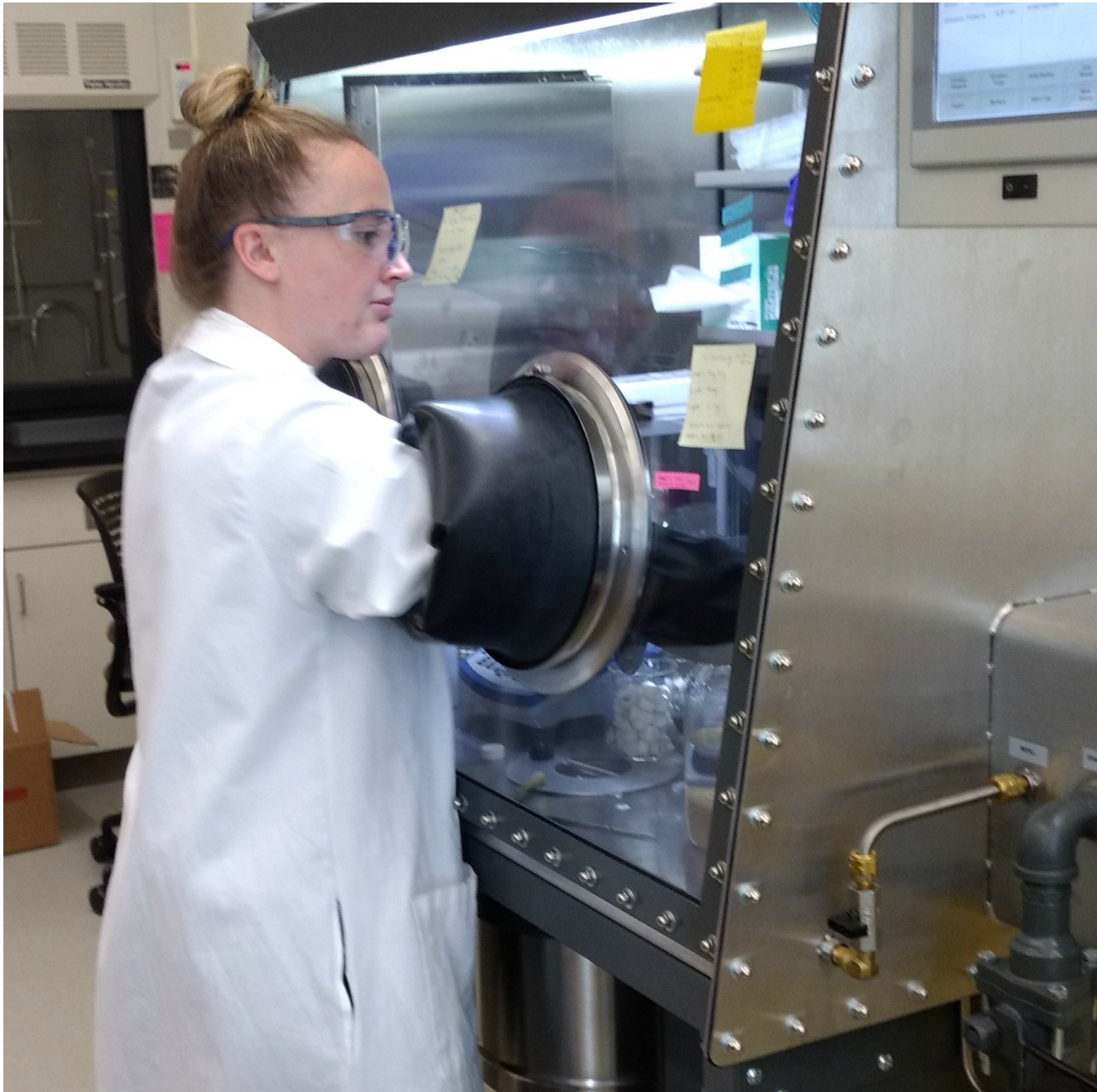
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# GWU Alumna Researches Renewable Energy Sources as Part of Doctoral Program

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November 2, 2017



*Shelby Hooe '16 Realized Her Potential as a Scientist While Studying Chemistry at GWU*

Shelby Hooe, a 2016 graduate of Gardner-Webb University, is conducting research to improve the design of fuel cells, a source of renewable energy. According to

 Shelby Hooe in the lab

the U.S. Department of Energy, fuel cells use hydrogen or another fuel to cleanly and efficiently produce electricity with water and heat as the only products.

Hooe is pursuing her doctorate in chemistry at the University of Virginia in Charlottesville. She recently submitted a manuscript to the Journal of the American Chemical Society describing her research and is currently seeking a National Science Foundation grant. She developed her research skills at Gardner-Webb.

“While at GWU, I realized how much I enjoyed chemistry,” Hooe reflected. “This revelation—along with the faculty who helped me realize my potential as a scientist—guided me into pursuing a career in research. My classes prepared me for graduate school by helping me develop a strong work ethic and passion for understanding challenging topics.”

Recruited to play soccer at GWU, Hooe liked the University because it had Division I status and smaller class sizes. “What I valued most was the relationships I developed with both my peers and professors,” she observed. “The people and atmosphere at GWU is one which reflects a true Christian environment that I valued immensely during my time there.”