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Dr. Sabine Heinhorst is the T.W. Bennett Professor in the Sciences and Chair of the Department of Chemistry and Biochemistry at The University of Southern Mississippi. She received her postdoctoral training in biochemistry at the prestigious Roche Institute of Molecular Biology prior to joining the Southern Miss faculty in 1988. Heinhorst has a keen interest in integrating undergraduate research projects into her research program on autotrophic bacteria. Through a fruitful collaboration with scientists from the Department of Energy Joint Genome Institute (JGI), she participated in the development of the highly successful IMG-ACT online toolkit for undergraduate genomics/bioinformatics research and assessment. The toolkit has been adopted by undergraduate institutions as well as large, research-intensive universities in the US and abroad.