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Greg Hillebrand is a Senior Principal Research Scientist for Amway where he provides technical leadership for the company's skin microbiome research and product development initiatives. He has a PhD in biochemistry from Baylor College of Medicine and an expertise in skin health and aging built on 35 years in skin science.

### **Abstract**

#### ***"The Healthy Skin Microbiome: Stability and Resilience"***

The community of microbes living in and on the skin plays an essential role in maintaining skin barrier function and overall skin health. And dysbiosis or imbalance of the skin microbial composition is associated with many different skin diseases. It is therefore important to understand how stable and resilient the skin microbial ecosystem is to mild or aggressive perturbation and disturbance. For example, does daily cleansing of the face cause a shift in the microbial community over time? Should we be concerned about preservatives in leave-on products? Are COVID hygiene habits and practice such as frequent use of hand sanitizers a concern? What about wearing a mask repetitively for hours at a time? These and other questions regarding the stability and resilience of the skin microbiome will be explored.