



# BRYAN FULLER, PH.D.

## SCIENTIFIC ADVISOR

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Bryan Fuller's research has focused on understanding how human skin pigmentation is regulated. As a molecular endocrinologist, Fuller has investigated the effects of numerous skin-derived hormones on growth and differentiation of both normal melanocytes and melanoma cells.

His laboratory has made several important discoveries in this field including: 1) determining how skin melanin production is controlled in different racial skin types, 2) identifying compounds that can be applied topically to stimulate human skin pigmentation, and 3) identifying compounds that can safely turn off melanin production in human skin without damaging melanocytes. His discovery of hormones and hormone-like compounds that can stimulate pigment synthesis in human skin melanocytes and those that can inhibit pigmentation has resulted in the issuance of 11 U.S. patents as well as additional international patents.

In addition to his research on skin pigmentation, Fuller is also studying the biochemistry of inflammation. Research in his laboratory is focused on identifying novel botanically-derived compounds for use in topical therapeutics to treat inflammatory skin conditions. This work has led to the development and commercialization of clinically tested topical skin care products that contain a natural ingredient that is effective in reducing skin inflammation.

Fuller has conducted research for and has served as a consultant to many skin care companies including Johnson & Johnson, Procter and Gamble, Unilever, Upjohn, and Wella. His research on pigmentation has received support from NIH, Procter and Gamble, the Oklahoma Center for Advancement of Science and Technology, and Wella, AG, and his discovery in 1999 of the cellular mechanisms that control differences in racial human skin color resulted in a three-year focused giving award from Johnson & Johnson.

Fuller received his B.S. degree from the University of Michigan and his Ph.D. in cell biology and biochemistry from the University of Arizona specializing in molecular endocrinology. He has authored more than 40 peer-reviewed scientific articles on pigmentation, and additional articles and reviews on the development of topical products for regulating pigmentation and controlling inflammation. He was a professor in the Department of Biochemistry and Molecular Biology at the University of Oklahoma Health Sciences Center for more than 21 years, retiring in 2007 to devote time to his own biotechnology company, Therametics. Fuller is still active in his former academic department at the University of Oklahoma Health Sciences Center as an Adjunct Professor of Biochemistry and Molecular Biology and continues to lecture medical students in the area of molecular endocrinology.

Fuller was integrally involved in the development of the Nu Skin® Tri-Phasic White™ line and also conducted testing on the Nu Skin Galvanic Spa™ System II.

### DEGREES AND AWARDS:

- B.S. from the University of Michigan
- Ph.D. in cell biology and biochemistry from the University of Arizona

### AREAS OF EXPERTISE:

- Botanical actives for skin treatment
- Hyperpigmentation
- Skin discoloration
- Skin inflammation
- Skin pigmentation
- Inflammatory skin diseases
- Topical formulation development

### MEDIA CONTACTS:

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