



Michelle D. Hines

Currently: Director, Global Upstream Research & Technology; Mary Kay;

Prior Experience: Avon Products, Inc.; **Educational Background:** BA; Swarthmore College, Ph.D./Cell & Molecular Biology; University of Wisconsin-Madison; **SCC National Activities:** Secretary, Executive Board (2018-2019), Director, Area III (2015 - 2017), Nominations & Elections Committee; Area III (2012-2013); **Chapter Activities:** Southwest Chapter, Treasurer (2007-2009), Chair Elect (2010), Chair (2011-12), Education Committee, Chair (SWSCC), COCA (2010, 2015-2017), Fellow Certification, Chair (2018-2019), Membership Affairs, Chair (2018-2019); **Publications:** Shona Burkes-Henderson, Tiffany Carle, David Gan, Michelle Hines. 2018 Navy bean extract inhibited melanogenesis and improved facial Hyperpigmentation. *Poster*. Annual Skin of Color Society Symposium. Shona Burkes-Henderson, Geetha Kalahasti, Tiffany Carle, David Gan, Erica Campbell, Michelle Hines. 2018.



A cosmetic formulation containing a proprietary blend of marine exopolysaccharide and a botanical extract improves skin barrier function and facial redness *in vivo*. *Poster*. American Academy of Dermatology. David Gan, Geetha Kalahasti, Shona Burkes-Henderson, Michelle Hines. 2019. A cosmetic formulation with nitric oxide synthase inhibitors shows improvement in facial erythema *in vivo*. *Poster*. World Congress of Dermatology. Tiffany Carle, Geetha Kalahasti, David Gan, Michelle Hines. 2019. Transcriptome analysis determines a cosmetic formulation containing botanical extracts activates extracellular matrix remodeling *in vitro*. *Poster*. Society of Investigative Dermatology. M.D. Hines, S. Burkes-Henderson, T. L. Carle, D. Gan and L. Gildea. 2019. Clinical efficacy of a cosmetic serum formulated with hyaluronic acid-stimulating ingredients on skin elasticity, firmness, wrinkle severity and facial contours: Two double-blind controlled studies. *Poster*. Hines, M. 2019. World Dermatology Congress. Environmental stressors and antioxidant technology-Beyond UV. *Invited Seminar*. ACI Future Formulations. Summit. Tiffany L. Carle, Shona Burkes-Henderson, Geetha Kalahasti, Erica Campbell, David Gan, Michelle D. Hines, Lucy Gildea. 2019. A cosmetic serum formulated with botanical extracts targeting causes of slackened skin improves skin elasticity, firmness, wrinkle severity and facial contours. *Poster*. ESDR Annual Meeting. Florence, T.C., Burkes, S., Gan, D., Reece, B., Kalahasti, G. and M.D. Hines. 2015. The percentage of dermal elastin protein correlates with age and Fitzpatrick skin type rather than skin elasticity. *Poster*. Society of Investigative Dermatology Annual Meeting; Kalahasti, G., Pham, H., Gan, D., Florence, T.C. and M.D. Hines. 2015. A cosmetic formulation containing ingredients that stimulate *in vitro* production of proteins associated with epidermal differentiation improves *in vivo* barrier function. *Poster*. Society of Investigative Dermatology Annual Meeting; Pham, H., Reece, B., and M.D. Hines. 2014. Reduced skin elasticity correlates with changes in chronological age in photo-exposed areas of skin. *Poster*. Am. Academy Dermatology Annual Meeting; Pham, H., Hines, M.D., Jones, B.C. and J. Leyden. 2008. Efficacy and tolerability of a combination of encapsulated benzoyl peroxide, salicylic acid and a botanical blend for treatment of adult acne. *Poster*. Am. Academy Dermatology Annual Meeting; Hines, M.D., Pham, H., Jones, B.C. and L. Bauman. 2008. A combination acne regimen utilizing encapsulated benzoyl peroxide, salicylic acid and a botanical blend for treatment of teenage patients. *Poster*. Am. Academy Dermatology Annual Meeting; Hines, M.D., Florence, T.C., Mangos L., Gan D. and B. C. Jones. 2007. Plant derived extracts exhibit anti-angiogenic properties in both *in vitro* and *in vivo* systems. *Poster*. SID Annual Meeting; Hines, M.D., Florence, T.C., Gan D. and B. C. Jones. 2007. Induced production of pro-collagen in normal human fibroblasts by plant derived extracts. *Poster*. Society of Investigative Dermatology Annual Meeting; Gan, D., Hines, M.D., Florence, T.C., and B. C. Jones. 2007. Several plant-derived extracts maybe used in a complementary manner for skin to provide skin benefits. *Poster*. SID Annual Meeting; Florence, T.C., Pham, H., Hines, M.D. and B.C. Jones. 2007. Topical application of plant-derived extracts to skin equivalents to increase breakdown of triglycerides. *Poster*. SID Annual Meeting; Hines, M.D., Gan, D., Mangos L. and B. C. Jones. 2006. Plant derived extracts increase breakdown of triglycerides in normal

human adipocytes. *Poster*. Society of Investigative Dermatology Annual Meeting; Hines, M.D., Gan, D., Mangos L. and B. C. Jones. 2006. Plant derived extracts exhibit both anti-inflammatory and antioxidant properties in normal human keratinocytes. *Poster*. SID Annual Meeting; Binetti, R.R., Hines, M.D., Gettings S.D. and B.C. Jones. 2005. An extension of the assessment of ocular irritation ranges in market leading cosmetic and personal care products using an *In-Vitro* tissue equivalent. *Poster*. Society of Toxicology; Hines, M.D., Gettings, S.D. and B.C. Jones. 2003 Evaluation of MTT metabolism as a meaningful indicator of viability in human corneal epithelial tissue models. *Poster*. Society of Toxicology; Hines MD, Jin HC, Wheelock MJ, Jensen PJ. 1999. Inhibition of cadherin function differentially affects markers of terminal differentiation in cultured human keratinocytes. *J Cell Sci*. 112 (24):4569-79; Jin F, Reynolds AB, Hines MD, Jensen PJ, Johnson KR, Wheelock MJ. 1999. Src induces morphological changes in A431 cells that resemble epidermal differentiation through an SH3- and Ras-independent pathway. *J Cell Sci*. 112 (17): 2913-24; Hines, M.D. and Allen-Hoffmann, B.L. 1997. Keratinocytes growth factor promotes cell-cell adhesion by increasing E- and P- cadherin content and regulating tyrosine phosphorylation of cadherin-containing complexes. *Poster*. American Society of Cell Biology; Hines, M.D. and Allen-Hoffmann, B.L. 1996. Keratinocyte growth factor inhibits cornified envelope formation and nucleosomal fragmentation in human keratinocytes. *J. Biological Chemistry*. 271(1): 6245-6251; Hines, M.D. and Allen-Hoffmann, B.L. 1996. Detection of DNA fragmentation in normal human skin and cultured human keratinocytes. *Promega Notes*. 59:30-36; Hines, M.D. and Allen-Hoffmann, B.L. 1994. Keratinocytes growth factor attenuates apoptosis and squamous differentiation in cultured human keratinocytes. *Poster*. Soc Cell Biol Ann Mtg;

Patents/Awards/Honors: Magnolia Extract Containing Compositions, June 2010 Patent #774493; Skin Care Formulations, November 2011 Patent #8048456; Magnolia Extract Containing Compositions, December 2011 Patent #8084063; Magnolia Extract Containing Compositions, December 2011 Patent #8084066; Compositions of Docynia Delavajy &/or Elaeagnus Lancelotus, Mar 2012 Patent #8137714; Topical Skin Care Formulations, May 2012 Patent #8178106; Topical Skin Care Formulations, November 2012 Patent #8318222; Topical Skin Care Formulations Comprising Botanical Extracts, May 2012 Patent #8173184; Topical Skin Care; Formulations Comprising Botanical Extracts, Sept 2012 Patent #8273387; Topical Skin Care; Formulations Comprising Botanical Extracts, May 2013 Patent #8444959; Magnolia Extract Containing Compositions, May 2013 Patent #8445036; Botanical Anti-acne Formulations, May 2013 Patent #8440237; Botanical Formulations July, 2013 Patent #8481090; Topical Skin Care Formulations Comprising Plant Extracts July 2013 Patent #8481089; Topical Skin Care Formulations Comprising Plant Extracts Dec 2013 Patent #8609072; Topical Skin Care Formulations Comprising Plant Extracts Jan 2014 Patent #8636989; Skin Care Formulations April, 2014 Patent #8691300; Topical Skin Care Formulations Comprising Botanical Extracts, June 2014 Patent #8454943; Topical Skin Care Formulations Comprising Botanical Extracts, June 2014 Patent #8455012; Topical Skin Compositions for Treating Wrinkles, May 9, 2017 Patent #9,642,793;

Other Professional Affiliations: Society of Cosmetic Chemists (2006-present), Women's Dermatological Society (2006-present), Society of Investigative Dermatology (1997-present), Cosmetic Executive Women (2017-present), Network of Executive Women (2010-present)

STATEMENT OF GOALS

Professional organizations play a critical role in providing its members with valuable educational & mentoring opportunities. My priorities as Vice President Elect include a focus on delivering strong member benefits that support the educational growth of cosmetic chemists as well as supporting initiatives which help members feel the value of their membership and adopting strong stewardship of our financial future. I will continue to drive for improved communication between chapters. Our society is composed of chapters geographically spread across the country which makes it a priority that we identify ways to share information from National and between chapters to ensure transparency and collaboration for connections. The National SCC is strongest when we can harness the excitement and passion of our members and work together to further the education of industry professionals. I will continue to support initiatives to deliver training opportunities through webinars to members across the country and uphold initiatives to strengthen the ratings of our scientific journal in combination with electronic delivery to our members. I will encourage the growth of our mentoring opportunities to encourage participation of the rising professionals in the cosmetics industry and foster understanding for the need of professional organizations like the SCC. Building strong lines of

communication with National and between chapters, we can share in the successes of each individual chapter and build a platform for the continued success of our society.