



# JOSEPH Y. CHANG, PH.D.

CHIEF SCIENTIFIC OFFICER AND EXECUTIVE VICE  
PRESIDENT, PRODUCT DEVELOPMENT

*“For the dietary supplement industry as a whole to consider the high cost of R&D as a value proposition, fundamental changes in mindset and business strategy will be required.”*

## DEGREES AND AWARDS:

- Ph.D., pharmacology, University of London
- B.S. from Portsmouth University
- Post-doctoral research at The Johns Hopkins University School of Public Hygiene, 1981
- Arthritis Foundation fellow at The Johns Hopkins University School of Public Health
- Member of American Society of Pharmacology and Experimental Therapeutics
- Member of Inflammation Research Association (Former Board member)
- Member of Reticuloendothelial Society
- Member of American Association for the Advancement of Science
- Member of The Arthritis Foundation (Maryland Chapter)

## AREAS OF EXPERTISE:

- Changing your business model: moving from retail to direct sales
- Leveraging your research and development
- The business of nutritional supplements

## MEDIA CONTACTS:

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Joseph Y. Chang, Ph.D., was appointed Chief Scientific Officer and Executive Vice President of Product Development in February 2006. Dr. Chang enjoys a comprehensive knowledge of both the pharmaceutical and dietary supplement industries and serves as a member of the Executive Committee for Nu Skin Enterprises.

He formerly served as president and chief scientific officer of Pharmanex. Prior to Pharmanex, Dr. Chang served as both president and chief scientific officer at Binary Therapeutics, Inc. from 1994 to 1997 and at OsteoArthritis Sciences, Inc. from 1991 to 1994. He has also held various executive research management positions at Wyeth-Ayerst, Rhone Poulenc Rorer and other biotechnology companies, where he was involved in researching natural products for arthritis and cancer treatment.

A prolific author, Dr. Chang has published numerous articles, reviews and books on pharmacological research during his nearly 20 years in the health care industry. He received a B.S. degree from Portsmouth University and a Ph.D. from the University of London.



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