

## CURRICULUM VITAE

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### EDUCATION

Institution	Degree	Date	Field of Study
University of Arizona	Ph.D.	1994	Nutritional Sciences and Immunology & Microbiology

*Doctorate's Dissertation Title:* Effects of selenium and  $\beta$ -carotene supplementation on the immune response in aged adults.

Utah State University	M.S.	1989	Human Nutrition
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*Master's Thesis Title:* A Longitudinal Study of Dietary Intake and Influence of Iron Status on Infants' and Toddlers' Mental and Motor Development

Utah State University	B.S., RD	1987	Nutrition and Dietetics/Chemistry
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Languages: English and Spanish

### MAJOR FIELDS OF EXPERTISE

- A. Immunomodulation (Antioxidants)
- B. Dietary supplements
- C. Botanicals
- D. Nutritional Support in Critical Care and Chronic Diseases
- E. Minerals and Metabolism

## PUBLICATIONS

### Manuscripts

- 1 Iglesias DE, Cremonini E, Hester SN, Wood SM, Bartlett M, Fraga CG, Oteiza PI. Cyanidin and delphinidin restore colon physiology in high fat diet-fed mice: Involvement of TLR-4 and redox-regulated signaling. *Free Radic Biol Med*. 2022 Aug 1;188:71-82.
- 2 Cremonini E, Daveri E, Iglesias DE, Kang J, Wang Z, Gray R, Mastaloudis A, Kay CD, Hester SN, Wood SM, Fraga CG, Oteiza PI. A randomized placebo-controlled cross-over study on the effects of anthocyanins on inflammatory and metabolic responses to a high-fat meal in healthy subjects. *Redox Biol*. 2022;51:102273.
- 3 Cremonini E, Iglesias DE, Matsukuma KE, Hester SN, Wood SM, Bartlett M, Fraga CG, Oteiza PI. Supplementation with cyanidin and delphinidin mitigates high fat diet-induced endotoxemia and associated liver inflammation in mice. *Food Funct*. 2022 Jan 4.
- 4 Hester S, Wood SM, Gray R, Kern D, O'Donnell, R, Draelos ZD. A Nutritional Supplement Blend of Collagen Peptides, Lutein and Wheat Lipid Extract Improves Skin Attributes. *Dermatol & Cosmet JOJ* 2021;4(2):1-9.
- 5 De la Rosa A, Olaso-Gonzalez G, Garcia-Dominguez E, Mastaloudis A, Hester SN, Wood SM, Gomez-Cabrera MC, Viña J. Glucosamine Supplementation Improves Physical Performance in Trained Mice. *Med Sci Sports Exerc*. 2021 Oct 27.
- 6 Mastaloudis, A; Sheth, C; Hester, SN; Wood, SM; Prescott, A; McGlade, E; Renshaw, PF; Yurgelun-Todd, DA. Supplementation with a putative calorie restriction mimetic micronutrient blend increases glutathione concentrations and improves neuroenergetics in brain of healthy middle-aged men and women. *Free Radic Biol Med*. 2020;153:112-121.
- 7 Serna E, Mastaloudis A, Martorell P, Wood SM, Hester SN, Bartlett M, Prolla TA, Viña J. A Novel Micronutrient Blend Mimics Calorie Restriction Transcriptomics in Multiple Tissues of Mice and Increases Lifespan and Mobility in *C. elegans*. *Nutrients*. 2020;14;12(2).
- 8 Cremonini E, Daveri E, Mastaloudis A, Adamo AM, Mills D, Kalanetra K, Hester SN, Wood SM, Fraga CG, Oteiza PI. Anthocyanins protect the gastrointestinal tract from high fat diet-induced alterations in redox signaling, barrier integrity and dysbiosis. *Redox Biol*. 2019;26:101269.
- 9 Hester SN, Mastaloudis A, Gray R, Antony J, Evans M, Wood SM. Efficacy of an anthocyanin and prebiotic blend on intestinal environment in obese male and female subjects. *Journal of Nutrition and Metabolism*, 2018; Sep 13;1-11.
- 10 Daveri E, Cremonini E, Mastaloudis A, Hester SN, Wood SM, Waterhouse AL, Anderson M, Fraga CG, and Oteiza PI. Cyanidin and delphinidin modulate inflammation and altered redox signaling improving insulin resistance in high fat-fed mice. *Redox Biology*. 18:16-24; 2018
- 11 Cremonini E, Mastaloudis A, Hester SN, Verstraeten SV, Anderson M, Wood SM, Waterhouse AL, Fraga CG, Oteiza PI. Anthocyanins inhibit tumor necrosis alpha-induced loss of Caco-2 cell barrier integrity. *Food Function* 2017 Aug 1;8(8):2915-2923.
- 12 Barger JL, Vann JM, Cray NL, Pugh TD, Mastaloudis A, Hester SN, Wood SM, Newton MA, Weindruch R, and Prolla TA. Identification of tissue-specific transcriptional markers of caloric restriction in the mouse and their use to evaluate caloric restriction mimetics. *Aging Cell*. 2017 Aug; 16(4): 750–760.

- 13 Wood SM, Mastaloudis AF1 Hester SN, Gray R, Kern D, Namkoong J, Draelos ZD. Protective effects of a novel nutritional and phytonutrient blend on ultraviolet radiation-induced skin damage and inflammatory response through aging defense mechanisms. *J Cosmet Dermatol*. 16(4):491-499; 2017.
- 14 Barger JL, Van JM, Mastaloudis A, Wood SM, Bartlett MR, Prolla TA, Weindruch R. Identification of transcriptional targets of healthspan in adipose tissue and modulation by resveratrol. *Nutrition and aging* 2014;2:157-63.
- 15 Mastaloudis A and Wood SM. Age-Related Changes in Cellular Protection, Purification and Inflammation-Related Gene Expression: Role of Dietary Phytochemicals. *Ann NY Acad Sci*. 2012;1259:112-20.
- 16 Spitale R, Cheng M, Chun KA, Gorell ES, Munoz CA, Kern DG, Wood SM, Knaggs HE, Wulff J, KD Beebe, Chang AS. Differential effects of dietary supplements on metabolomic profile of smokers versus non-smokers. *Genome Medicine* 2102;4:14
- 17 Chang AL, Lingala B, Chang TC, Kern DG, Wood SM, Toyoda H, Knaggs HE. An Exploratory Study to Determine the Association Between Assessed Facial Skin Aging and Plasma Isoprostane Levels in Middle-Aged Japanese Women. *Dermatol Surg*. 2012;38:462-70.
- 18 Chang, A., Lingala, B., Chang, T., Kern, D., Wood, S., Toyoda, H., Knaggs, H. An Exploratory Study to Determine the Association Between Assessed Facial Skin Aging and Plasma Isoprostane Levels in Middle-Aged Japanese Women. *Dermatol Surg*. 2012; 38:462-70.
- 19 Covar R, Gleason M, Macomber B, Stewart L, Szeffler P, Engelhardt K, Murphy J, Liu A, Wood S, DeMichele S, Gelfand EW, Szeffler SJ. Impact of a novel nutritional formula on asthma control and biomarkers of allergic airway inflammation in children. *Clin Exp Allergy*. 2010;8:1163-74.
- 20 Demichele S, Wood S, Wennberg A. Role of Enteral Nutrition to Decrease Morbidity, Improved Oxygenation and Improve Survival in the Patient with Acute Respiratory Distress Syndrome. *Respiratory Care Clinics of North America* 2006;12:547-66.
- 21 Langkamp-Henken B, Wood SM, Herrlinger-Garcia KA, Stechmiller JK, Thomas DJ, Bender BS, Schaller JP, Gardner EM, Murasko DM. Nutritional formula improved immune profiles in of seniors living in nursing homes. *J Am Geriatr Soc* 2006;54:1861-70.
- 22 Wood S, Kennedy J, Arsenault J, Thomas D, Buck R, Shippee R. Novel Nutritional Immune Formula Maintains Host Defense Mechanisms. *Military Medicine* 2005;170:975-985.
- 23 Lankamp-Henken B, Bender BS, Gardner EM, Herrlinger-Garcia KA, Kelley MJ, Murasko DM, Schaller J, Stechmiller JK, Thomas D, Wood SM. Novel nutritional formula enhanced immune function and reduced upper respiratory tract infection symptoms in a randomized, double-blind, controlled trial in older adults. *J Am Geriatr Soc* 2003;52:3-12.
- 24 Wood S, Beckham C, Yosioka A, Darban H, Watson RR.  $\beta$ -carotene and selenium supplementation enhance immune response in aged humans. *Int Med* 1999;2:85-92.
- 25 Pfeiffer JM, Askew EW, Roberts DE, Wood SM, Benson JE, Johnson SC, Freedman MS. Effect of antioxidant supplementation on urine and blood markers of oxidative stress during extended moderate-altitude training. *Wilderness and Enviorn Med* 1999;10:66-74.
- 26 Chao WH, Askew EW, Roberts DE, Wood SM, Perkins JB. Oxidative stress in humans during work at moderate altitude. *J Nutr* 1999;129:2009-12.
- 27 Wang Y, Huang DS, Wood S, Watson RR. Modulation of immune function and cytokine production by various levels of vitamin E supplementation during murine AIDS. *Immunopharmacology* 29:225-223, 1995.

- 28 Watson RR, Wang JY, Dehghanpisheh K, Huang DS, Wood S, Ardestani SK, Liang B, Marchalonis JJ. T cell receptor V $\beta$  complementarity-determining region 1 peptide administration moderates immune dysfunction and cytokine dysregulation induced by murine retrovirus infection. *J Immunology* 1995;155:2282-2291.
- 29 Wang Y, Huang DS, Wood S, Giger PT, and Watson RR. Kinetics of cytokine production by thymocytes during murine AIDS caused by LP-BM5 retrovirus infection. *Immunol Lett* 1995;47:151-161.
- 30 Shahbazian LM, Wood S, Watson RR. Ethanol consumption and early murine retrovirus infestation influence on liver, heart, and muscle levels of iron, zinc, and copper in C57Bl/6 mice. *Alcohol Clin Exp Res* 1994;18:964-968
- 31 Martinez F, Darban H, Thomas NM, Cox, TJ Wood, S, Watson RR. Interleukin-6 and Interleukin-8 production by mononuclear cells of chronic alcoholics during treatment. *Alcohol Clin Exp Res* 1993;17:1193-97.
- 32 Wood SM, Hendricks DG, Schvaneveldt NB, and Anderson JB. A longitudinal study of the influence of iron status on mental and motor development of infants and toddlers. *Nutr Res* 1993;13:1367-1378.
- 33 Watson RR, Wood S, and Eskelson C. Nutritional supplementation in alcohol users, a critical component for optimal health. Editorial, *J Optimal Nutrition*, 1993.
- 34 Watson RR, Wood S, Wang Y, Huang DS, and Lopez MC. Ethanol and murine reterovirus modulation of cytokine production by thymocytes. *Adv Biosci* 1993;86:153-161.
- 35 Pillai R, Gerwal HS, Wood S, and Watson RR. Biological Monitoring of Cancer prevention. *J Surgical Oncology* 1992;51:195-202.
- 36 Poet T, Pillai RK, and Wood SM. Stimulation of natural killer cell activity by murine retroviral infection and cocaine. *Toxicology Letters* 1991;59:147-152.

### **Book Chapters**

- 1 Knaggs H, Wood S, Burke D, Lephart J, and Namkoong J. The contribution of dietary nutrients and supplements to skin health, Chapter 39. *Cosmetic Dermatology: Products and Procedures, Second Edition*, Zoe Diana Draelos, Editor. John Wiley & Sons, Ltd, Oxford, UK, pp. 357-363, 2015.
- 2 Wood SM. Foods for people under stress: special considerations. In Nutrient composition of rations for short-term, high intensity combat operations. *Committee on Military Nutrition Research, Food and Nutrition Board, Institute of Medicine, of the National Academies*. National Academies Press, Washington D.D. 2006, pp. 389-404.
- 3 Lankamp-Henken B and Wood SM. Chapter 5, Evaluating Immunocompetence. *Contemporary Nutrition Support Practice 2nd Edition*. Michele Gottschlich and Laura Matarese Editors. WB Saunders Co. 2002.
- 4 Wood, S. Wildland firefighting and the immune response. In *Wildland and firefighter health and safety*, recommendations of the April 1999 Conference, Brian Sharkey, editor. Technology Report 9951-2841-MDTC, USDA Forest Serve Technology and Development Program, Missoula, Montana. 39-52, 1999.
- 5 Langkamp-Henken B and Wood SM. Chapter 5, Evaluating Immunocompetence. *Contemporary Nutrition Support Practice*. Michele Gottschlich and Laura Matarese Editors. WB Saunders Co. 1998.
- 6 Wood SM and Watson RR. Antioxidants and Cancer in the Aged. *Handbook of Nutrition in the Aged, 2nd Edition*, Ronald R. Watson, editor. CRC Press, Inc., Boca Raton, Florida, 1993.

- 7 Chen G and Wood SM. Natural Killer Cells. *In vitro Methods in Toxicology and Pharmacology*, Ronald R. Watson editor, CRC Press, Inc., Boca Raton, Florida, 53-65, 1992.
- 8 Alak, JIB, Wood, S, Darban, H, Jenkins, EM, and Watson, RR. Retroviral suppression of resistance to *cryptosporidium parvum* infection in C57BL/6 mice. *Proceeding of the 2nd International Conference on Alcohol, Drug Abuse and Immunomodulation (AIDS)*. Pergamon Press, 1992.
- 9 Watson, RR, Wang, Y, Huang, D, Lopez, M, and Wood, S. Ethanol and Murine Retrovirus Modulation of Cytokine Production by Thymocytes. *Proceeding of the 2nd International Conference on Alcohol, Drug Abuse and Immunomodulation (AIDS)*. Pergamon Press, 1992.

## ISSUED PATENTS

- 1 Wood SM, Poole, SJ, Burke D, Bartlett M, Mastaloudis A. Weight management systems and related methods. #US 10149882, issued December 11, 2018, **20 Claims**
- 2 Mastaloudis A, Wood SM, Barger J, Prolla TA, Weindruch R, Bartlett M, Ferguson SB, Chang J. Oral Formulations for counteracting the effects of aging. # US14/793612, issued October 24, 2017, **17 Claims**
- 3 Mastaloudis A, Wood SM, Barger J, Prolla TA, Weindruch R, Bartlett M, Ferguson SB, Chang J. Oral Formulations for counteracting the effects of aging. U.S. Patent #9,072,780B2 issued July 7, 2015, **55 claims**.
- 4 DeMichele SJ, and Wood SM. Product and method to reduce stress induced immune suppression. U.S. Patent #6,130,244 issued October 10, 2000, **13 claims**
  - a. Also patented in Switzerland, Sweden, Spain, Norway, Netherlands, Luxemburg, Italy, Ireland, Greece, Great Britain, Germany, France, European Patent Convention, Denmark, Cypress, Belgium, and Austria.
- 5 DeMichele SJ, McEwen JW, and Wood SM. Product and method to reduce stress induced immune suppression. U.S. Patent #6,255,341 issued July 3, 2001, **26 claims**
- 6 DeMichele SJ, McEwen JW, and Wood SM. Product and method to reduce stress induced immune suppression. U.S. Patent #6,444,700 issued September 3, 2002, **28 claims**

## PROVISIONAL AND PATENT APPLICATIONS

- 1 Mastaloudis A, Wood SM, Hester SN, Intestinal health promoting compositions. USPTO No US20190255134A1, 2019
- 2 Mastaloudis A, Wood S, Barger JL, Weindruch R, Prolla TA, Bartlett M, Ferguson SB. Oral Formulations for promoting cellular purification. USPTO Application No US15/675761, 2017
- 3 Mastaloudis A, Wood SM, Barger J, Prolla TA, Weindruch R. Identifying Markers of Caloric Restriction and Caloric Restriction Mimetics. USPTO Application No US13/525230, 2012.
- 4 Mastaloudis, A, Wood SM, Barger J, Prolla TA, Weindruch R. Oral Formulations for Promoting Cellular Purification. USPTO Application No US13/420547, 2012.

## ABSTRACTS AND PRESENTATION

- 1 Hester S, Wood S, Gray R, Kern D, Draelos Z. Collagen Supplement Improves Skin Attributes in Healthy Adults. *Current Developments in Nutrition* 2021;5(6):321
- 2 Rodriguez-Lanzi, CM; Cremonini, E; Marino, M; Iglesias, D; Mastaloudis, A; Wood, SM, Hester, S; Fraga, CG; Oteiza, API. Anthocyanidins promotes beiging of white adipose tissue in mice fed a high fat diet. Free Radical Biology and Medicine, Conference held in Ferrara, Italy Abstract 150, 2019.
- 3 Mastaloudis, A.; Serna, E.; Wood, S.M.; Hester, S.N.; Weindruch, R.; Prolla T.A. and Vina, J. A novel nutrient blend mimics calorie restriction transcriptomics in multiple tissues of mice and increases vitality and lifespan in *C. elegans*. Invited Lecture; Society for Free Radical Research – International. Lisbon, Portugal. June 4-7, 2018
- 4 Mastaloudis, A.; Serna, E.; Wood, S.M.; Hester, S.N.; Weindruch, R.; Prolla T.A. and Vina, J. A Long-term supplementation with a novel nutrient blend mimics calorie restriction transcriptomics in multiple tissues of old mice. Linus Pauling Institute Diet and Optimum Health Conference; Corvallis, Oregon. A33; September 13-16, 2017
- 5 Cremonini, E.; Daveri, E.; Mastaloudis, A.; Wood, S.M.; Hester, S.N.; Fraga, C.G. and Oteiza, P.I. The Intestinal/Liver Axis in the Capacity of Anthocyanidins to Mitigate High Fat Diet-Induced Insulin Resistance. Proceedings of the Oxygen Club of California 2017 World Congress; Berlin, Germany. A196; June 21-23, 2017.
- 6 Mastaloudis, A.; Serna, E.; Wood, S.M.; Hester, S.N.; Weindruch, R.; Prolla T.A. and Vina, J. A Novel Nutrient Blend Mimics Calorie Restriction Transcriptomics Differentially in Multiple Tissues of Mice. Proceedings of the Oxygen Club of California 2016 World Congress; Berlin, Germany. A235; June 21-23, 2017.
- 7 Subramaniam, P.; Mastaloudis, A.; Wood, S.M.; Hester, S.N.; McGlade, E.C.; Renshaw, P.F. and Yurgelun-Todd, D.A. Alterations in Brain Connectivity Following Supplementation with a Putative Caloric Restriction Mimetic Blend of Nutrients and Phytochemicals. American Society of Clinical Psychopharmacology Annual Meeting, Miami, FL, May 29 - June 2, 2017.
- 8 Hester, S.N.; Mastaloudis, A.F.; Gray, R.; Evans, M. and Wood, S. M. Anthocyanin and Prebiotic Impact on Intestinal Environment in Obese Male and Female Subjects. *The FASEB Journal* 31:lb398; April 2017.
- 9 Cremonini E, Anderson M, Waterhouse AL, Mastaloudis A. Wood SM. Hester, SN. Verstraeten S. Fraga CG, Oteiza PI. Anthocyanins inhibit tumor necrosis alpha-induced loss of Caco-2 cell barrier integrity. Proceedings of the Oxygen Club of California 2016 World Congress; University of California at Davis, Davis, CA. A80; May 4-6, 2016.
- 10 Mastaloudis A. Serna E. Wood, S.M. Hester SN. Weindruch R, Prolla TA, Vina J A. Novel Nutrient Blend Mimics Calorie Restriction Transcriptional Patterns in Brain of Mice. Proceedings of the Oxygen Club of California 2016 World Congress; University of California at Davis, Davis, CA. A105; May 4-6, 2016
- 11 Wood S, Gray R, Hester S, Mastaloudis A, Kern D, Namkoong J, Draelos Z. Novel nutrition formula protects against cellular damage. *Experimental Biology*, San Diego, CA. *FASEB J*, April 2, 2016.



- 12 Choy Y, Mastaloudis A, Wood S, Hester S, Gray R, O'Donnell R, Barger J, Quifer-Rada P, Lamuela-Raventós R, Waterhouse A. Nutritional Polyphenol Metabolites' Kinetics in Plasma, Urine, and Saliva Following Consumption by Normal, Healthy, Subjects. Experimental Biology, San Diego, CA. *FASEB J*, April 2, 2016.
- 13 Cremonini E, Anderson M, Waterhouse AL, Mastaloudis A, Wood SM, Hester SN, Fraga CG, and Oteiza PI. Anthocyanidin-rich extracts in the prevention of intestinal permeabilization. International Polyphenols and Health, Tours, France, October 27-30, 2015.
- 14 Wood SM, Poole S, D Burke, Bartlett M, Mastaloudis A weight management program, including a blend of natural compounds, facilitates weight loss in overweight men and women: a pilot study. Experimental Biology, Boston MA. *FASEB J* April 9, 2013 27:851.14.
- 15 Wood SM, Poole S, Bartlett M, Mastaloudis A, Burke D. Effects of a novel dietary supplement on physical and mental function in middle-aged adults: a double-blind, randomized, placebo-controlled trial. Experimental Biology, Boston, MA. *FASEB J* April 9, 2013 27:1076.8.
- 16 Mastaloudis A, Barger JL, Prolla TA, Weindruch R, Wood SM. A unique blend of natural compounds opposes age-related changes in gene expression related to dysregulation of cellular detoxification and antioxidant protection. *Society for Free Radical Research International*, London, England. September 6-9, 2012.
- 17 Chang, ALS, Spitale R, Torre E, Lingala B, Chang HY, Kern DG, Wood SM, Knaggs HE. Transcriptional profiling to identify genes controlling human skin aging presented at the 70th Annual Meeting of the American Academy of Dermatology in San Diego on March 16-20, 2012. *J Am Acad Dermatol* 66(4), AB32, 2012.
- 18 Kern D, Chang A, Wood S, Gopaul R, Lephart J, Knaggs H. So Why Don't I Look Younger? *International Federation of Societies of Cosmetic Chemists*, Bangkok, Thailand, December 14-15, 2011.
- 19 Mastaloudis A, Barger JL, Prolla TA, Weindruch R, Bartlett M, Wood SM. A unique blend of natural compounds with the ability to oppose age-related changes in gene expression related to dysregulation of removal of cellular debris, cellular detoxification, antioxidant protection and inflammatory balance. *Second International Conference on Environmental Stressors in Biology and Medicine*. Centro Didattico, Policlinico Le Scotte Siena, Italy. October 5-7, 2011.
- 20 Knaggs H, Kern D, Bartlett M, Wood S, Mastaloudis A, Ferguson S, Langerveld A. A Multifactorial Gene Expression Approach to Understanding Skin Aging. *J. Invest Dermatol* 131. S. 57, September 2011.
- 21 Chang T, Lingala B, Kern D, Wood S, Toyoda H, Knaggs H, Chang A. Association of skin aging severity with blood isoprostane levels in healthy middle-aged Japanese women. Society for Investigative Dermatology (SID) May 2011, *J. Invest Dermatol* 131. S. 85 (2011).
- 22 Wood SM, Mastaloudis A, Barger JL, Prolla TA, Weindruch R. A Systematic Approach to Evaluate and Rank Natural Ingredients Based on Their Ability to Oppose Age-Related Changes in Gene Expression. *Linus Pauling Institute Diet and Optimum Health Conference*. Corvallis, OR. September 13-16, 2011.

- 23 Chang A, Chang T, Lingala B, Kern D, Wood S, Toyoda H, Knaggs H. Exploratory Study to Assess Association of Skin Aging with Plasma Isoprostane Levels in Healthy Middle-Aged Japanese Women. The American Academy of Dermatology's 69th Annual Meeting, February 2011, New Orleans, LA.
- 24 Mastaloudis A, Barger JL, Prolla TA, Weindruch R, Ferguson S, Wood SM. A PCR-based screen to identify natural compounds with the ability to influence Nrf2-mediated transcriptional induction of detoxification/antioxidant genes. *Gordon Research Conference: Oxidative Stress & Disease. Emerging Research Areas in the Study of Oxidative Stress and Disease*. Ventura, CA. March 13-18, 2011.
- 25 Morré DJ, Morré DM, Kern DG, Wood SM, Toyoda H, Knaggs, H. Appearance in Japanese Women Correlates with the Presence of Inositides and Lysolipids, Both Significant Inhibitors of Age-Related NADH Oxidase Levels," *40th Annual European Society for Dermatological Research*, June 2010.
- 26 Ferguson SB, Tan N, Dong Y, Lu J, Fisk NA, Wood SM, Zhu J, Bartlett M. Targeting age-related gene expression improves mental and physical vitality. 1<sup>st</sup> World Congress on *Targeting Mitochondria, Strategies, Innovation and Clinical Applications*, Berlin, Germany, November 18-19, 2010.
- 27 Wood SM, Ferguson SB, Barger JL, Prolla TA, Weindruch R, Bartlett M. A nutritional strategy to oppose the genetic expression of aging and loss of vitality. 1<sup>st</sup> World Congress on *Targeting Mitochondria, Strategies, Innovation and Clinical Applications*, Berlin, Germany, November 18-19, 2010.
- 28 Wood SM, Barger J, TA Prolla, R Weindruch, A Mastaloudis, S Ferguson. Transcriptional Biomarkers of Mitochondrial Aging and Modulation by Cordyceps Sinensis Cs-4. *Gordon Conference*, Les Dablerets, Switzerland, August 21-27, 2010.
- 29 Barger, J, Wood, SM, Weindruch, R, Prolla, T. Transcriptional biomarkers of age and their modulation by dietary intervention. Colongy, *The 1<sup>st</sup> International Congress on Controversies in Longevity, Health and Aging*. Barcelona, Spain, June 24-27, 2010.
- 30 Wood S, Mastaloudis A, Carlson J, Zidichouski J, Holubkov, Reading J, Stavens S, Askew EW, Marrow JD, Milne GL, Poole S, Bartlett M. Consistency of correlations of serum and skin carotenoids as measured by high performance liquid chromatography and Raman spectroscopy. *15<sup>th</sup> International Symposium on Carotenoids*. Okinawa, Japan 2008;12:109.
- 31 Szeffler S, Covar R, Macomber B, Stewart L, Gleason M, Engelhardt K, Murphy J, Liu A, Szeffler P, Wood S, DeMichele S, Wennberg A, Gelfand EW. Safety and Tolerance of a Novel Medical Food (NMF) in Children with Mild Persistent Asthma. *American Academy of Asthma, Allergies and Immunology*. San Diego, CA, 2007.
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- 35 Lankamp-Henken B, Bender BS, Gardner EM, Herrlinger-Garcia KA, Kelley MJ, McEwen J, Murasko DM, Schaller J, Simpson JM, Stechmiller JK, Thomas D, Wood SM. Nutritional formula enhance immune function and reduced upper respiratory tract infection (URTI) symptoms in a randomized, double-blind, controlled trial in older adults. *FASEB J* 2001;15:A63.
- 36 Askew EW, Roberts DE, Wood SM, Pfeiffer JM, Chao JH. Antioxidant supplementation for work in cold moderate altitude environments. *International Congress of the Wilderness Medical Society* (Aug 7-12, 1999, Whistler, B.C.)
- 37 Kennedy JS, Arsenault J, Wood S, Shippee R, Delany JP and Tulley R. The effect of 60 days of physical exertion and caloric and sleep deprivation on body fat energy expenditure and plasma leptin. *J Am Coll Nutr* 17: 510 (abstr 57), 1998
- 38 Kennedy JS, Wood S, Cordele C, Schaller J, Green P, Whinship T, Pearce R, and Thomas D. Continuous stress induces T cell anergy by altering levels of protein tyrosine kinases and reduces antibody response to a naïve vaccine immunogen. *Eur Cytokine Network* (abst) 9(3):383, 1998.
- 39 Kennedy JS, Tessicini M, Bloss V, Wood S, Montain S, Shippee R. The effects of structured lipid supplements on production of T-cell cytokines in response to specific mitogens during adaptive response to stress. *Am Assoc Immunology* (abst), 1998.
- 40 Chao W, Askew EW, Roberts DE, Wood SM, Perkins JB. The effect of vitamin supplementation on indices of oxidative stress in urine, blood and breath during strenuous cold weather work at moderate altitude. *FASEB J* 12:A560, 1998.
- 41 Wood S. Immunonutrition, St. Luke's Hospital Post Graduate Course and Symposium (Manila, Philippines) Sponsored by Philippine Society of Parenteral and Enteral Nutrition (PhilSPEN) and Nutritionists'-Dietitian Association of the Philippines (NDAP) November 3, 1997.
- 42 Wood S. Applying Immunomodulation nutrition knowledge to care for the critically ill patient. Taiwan (*Chinese Society of Parenteral and Enteral Nutrition* (CSPEN) November 6, 1997.
- 43 Wood S. Hospital diets and how to prescribe them. *3rd International Congress of Parenteral and Enteral Nutrition Society of Asia*, Nutrition and Metabolic Support in Clinical Practice (Bangkok, Thailand) October 30, 1997.
- 44 Wood S, Kennedy J, Shippee R, Arsenault J, Demichele S, McCamish M, McEwen J. Nutritional Strategies to modulate immune function during periods of energy deprivation. Invited Presentation at *5th World Congress of the International Society for Adaptive Medicine* (Framingham, MA) September 7-10, 1997.
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- 61 Wood S, Hendricks D, and Hendricks H. Annual Meeting of the Utah Academy of Science (1989) The Effect of Moderately Low Zinc Intake on Serum and Whole Blood.

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## PROFESSIONAL EXPERIENCE

2008-Date	Director, Global R&D, Nu Skin/Pharmanex R&D
2006-Date	Adjunct Professor, Nutrition Division, University of Utah, Salt Lake City, Utah
2006-2008	Senior Scientist, Pharmanex R&D
2005-2006	Senior Research Scientist, Pediatrics and Global Innovation, Ross Products Division, Abbott Laboratories.
2002-2005	Senior Research Scientist, Strategic and International R&D and Scientific Affairs, Ross Products Division, Abbott Laboratories.
1999-2002	Research Scientist and Vitamin and Mineral Discovery Team Leader, Strategic and Exploratory Research and Development at Ross Products Division, Abbott Laboratories.
1996-1999	Senior Clinical Project Leader, Medical Nutrition Research and Development at Ross Products Division, Abbott Laboratories.
1994-1996	Clinical Research Associate, Medical Nutrition Research and Development at Ross Products Division Abbott Laboratories.
1992-1994	Lab Manager for Human Immunological Studies. Department of Family & Community Medicine, University of Arizona.
1989-1992	Lab Technician Human Immunological studies. Department of Family & Community Medicine, University of Arizona.
1987-1989	Lab Technician Animal Nutrition Studies. Department of Nutrition and Food Sciences, Utah State University.
1986-1987	Diet Record Evaluation and Nutrition Counseling for Utah State University Gymnastics team. Recruit and perform nutrition studies. Coordinated Undergraduate Program (CUP) for dietetics training and R.D. (Program Coordinators MS. Noreen B. Schvaneveldt, MS, RD and Kathe Gabel, PhD, RD)

## **AWARDS AND PROFESSIONAL MEMBERSHIPS**

2006-2016 Advisory Board, Nutrition Division, University of Utah  
2006-2009 Grant review panel member, USDA National Research Initiative (NRI) Bioactive Food Components for Optimal Health Program.  
2003 Ross Products Division, Pinnacle Award  
2003 Ross Products Division, Award of Excellence  
2000 Ross Products Division Award of Excellence  
1993-1996 Editorial Board of the Journal of Optimal Nutrition  
1990-1993 Wallace Genetics Associateship  
1989-1990 Nutritional Sciences Graduate Fellowship  
1989 Student Travel Award for FASEB Meetings by Graduate College  
1987-1989 Malcolm Foundation Nutritional Assistantship  
1988 Student Travel Award for FASEB Meetings by Graduate College  
1987-Date Registered Dietitian

## **MEMBERSHIPS**

American Society of Nutrition  
American Dietetic Association  
Utah Dietetic Association