

**CURRICULUM VITAE**

**March 10, 2016**

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**EDUCATION:**

*B.S., 1973, Chemistry, Jamestown College Jamestown, ND  
Ph.D., 1979, Biochemistry, University of North Dakota,  
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**RESEARCH EXPERIENCE:**

*1979 - 1980 Postdoctoral fellow, Dept. Biochemistry,  
Univ. North Dakota, Grand Forks, ND*

*1980 - 1984 Research Associate-National Cancer  
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*1984 - 1987 Chilton postdoctoral fellow, Depts Biochemistry & Obstetrics-  
Gynecology, Univ. Texas Southwestern Medical Center  
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*1987 - 1989 Assistant Instructor, Dept Pediatrics, Center for Human  
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*1989 - 1991 Instructor, Dept Pediatrics, UTSWMC*

*1991 - 1997 Research Scientist, RFSW, Dallas, TX*

*1991 - present Director, Alice B. Pearson Visual Biochemistry Laboratory*

*1991 - 2000 Adjunct Instructor, Dept. Pediatrics, UTSWMC*

*2002 - 2007 Radiation Safety Officer, RFSW*

*1997 - present Senior Research Scientist, RFSW*

*1999 - 2009 Assistant Research Director, RFSW*

*2009 - 2014 Chief Research Officer, RFSW*

*2010 - present Adjunct Assistant Professor, Dept. Ophthalmology UTSWMC*

*2014 - 2015 Research Director, RFSW*

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**PROFESSIONAL SOCIETIES MEMBERSHIP:**

*American Society for Biochemistry and Molecular Biology  
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**JOURNAL REFEREE:**

*Lipids  
Journal of Lipid Research  
Metabolism  
Experimental Eye Research  
Journal of Perinatal Medicine  
Early Human Development  
European J Clinical Nutrition  
Molecular Vision  
Pediatric Research  
Proceeding of the National Academy of Sciences, U.S.A.  
European J Lipid Science and Technology  
Journal of Neurochemistry*

*Biochimica et Biophysica Acta  
American Journal of Clinical Nutrition  
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**GRANT REVIEWER:**

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**PATENTS:**

*BABY-FOOD COMPOSITIONS ENHANCING VISUAL ACUITY AND METHODS THEREFOR; Richard C. Theuer, Eileen E. Birch, Dennis R. Hoffman, Gerald E. Shaul, Terry L. Rocklin, Mary Beth Cool, Virginia A. San Fanandre, , Robert A. Harvey; Beech-Nut Nutrition Corp. and Retina Foundation of the Southwest; United States Patent Office; #7,141,266, November 28, 2006.*

*METHOD OF ENHANCING COGNITIVE ABILITY IN INFANT FED DHA CONTAINING BABY-FOOD COMPOSITIONS; Eileen E. Birch, Mary Beth Cool, Robert A. Harve,; Dennis R. Hoffman, Terry L. Rocklin, Virginia A. San Fanandre, Gerald E. Shaul, Richard C. Theuer, Beech-Nut Nutrition Corp. and Retina Foundation of the Southwest; United States Patent Office #7,413,759; August 19, 2008.*

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## **PEER-REVIEWED PUBLICATIONS:**

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10. **Hoffman DR**, Huberman E. The control of phospholipid methylation by phorbol diesters in differentiating human myeloid HL-60 leukemia cells, Carcinogenesis 1982; 3:875-880. PMID: 6812975
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12. **Hoffman DR**, Haning JA, Cornatzer WE. Effects of diethanolamine on phosphatidylcholine biosynthetic enzymes of rat liver microsomes, Int J Biochem. 15:367-371, 1983.
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15. **Hoffman DR**, Hajdu J, Snyder F. Cytotoxicity of platelet activating factor and related alkyl-phospholipid analogs in human leukemia cells, polymorphonuclear neutrophils and skin fibroblasts. Blood 1984; 63:545-552. PMID: 6696992
16. **Hoffman DR**, Stanley JD, Snyder F. Cytotoxicity of ether-linked phytanyl phospholipid analogs and related derivatives in human HL-60 leukemia cells and polymorphonuclear neutrophils. Res Commun Chem Pathol Pharmacol. 1984; 44:293-306. PMID: 6739956
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**REVIEWS, BOOK CHAPTERS, and INVITED PAPERS:**

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2. **Hoffman DR**, Johnston JM. Platelet-activating factor metabolism in fetal rabbit lung development. In: *New Horizons in Platelet Activating Factor Research* (M Lee and C Winslow, eds) John Wiley and Sons Ltd (Sussex, England), pp. 51-55, 1987.
3. Johnston JM, Bleasdale JE, **Hoffman DR**. Functions of PAF in fetal lung maturation and parturition. In: *Platelet-Activating Factor and Related Lipid Mediators* (F Snyder, ed) Plenum Press (New York), pp. 375-402, 1987.
4. Uauy R, Treen, M, **Hoffman DR**. Essential fatty acid metabolism and requirements during development. *Semin Perinatol*. 1989; 13:118-130. PMID: 2662412
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