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Professional Qualifications

1976 M.D., University of Heidelberg, Germany
1977 Dr.med. (Biochemistry), University of Heidelberg, Germany
1983 Clinical Chemist (German Society of Clinical Chemistry)
1986 Board Certification in Laboratory Medicine (Karlsruhe, Germany)
1992 Dr.med.habil. (Clinical Chemistry and Biochemistry), Freie Universität Berlin

Major Appointments and Professional Affiliations

1976-1977 Postdoctoral Fellow, Max-Planck-Institute of Nutrition, Dortmund, Germany
1978-1979 Resident in Internal Medicine, Medical University Hospital, Heidelberg
1978-1987 Research Fellow, Clinical Institute for Cardiovascular Research, Heidelberg
1979-1985 Clinical Fellow in Laboratory Medicine, Medical University Hospital, University of Heidelberg, Heidelberg, Germany
1985-1987 Deputy Director, Central Hospital Laboratories, University of Heidelberg
1986-1987 Medical Director, Nutrition Services, Medical Univ. Hospital, Heidelberg
1987-1992 Deputy Director, Institute of Clinical Chemistry and Biochemistry, Universitätsklinikum Rudolf-Virchow, Freie Universität Berlin
1990- Editorial Board, Clinical Laboratory
1992 Associate Professor (Privatdozent), Clin.Chem.Biochem., Freie Univ.Berlin
1992- Research Professor, Dept. of Nutrition, UNC-Chapel Hill, School of Medicine and School of Public Health
1996-1999 Member, CET review panel, DoD Breast Cancer Research Program
2000- Chair, CET review panel, DoD Breast Cancer Research Program
2003 Member, CET review panel, DoD Prostate Cancer Research Program
2004- Chief Science Officer, PogoHealth Inc.
2008- Chair, Con-CET review panel, DoD Breast Cancer Research Program
2008 Member, grant review panel, Komen Breast Cancer Research Program
2009 Member, grant review panel, Salud America, RW Johnson Foundation

Current Membership in Professional Organizations

Gesellschaft für Biochemie und Molekularbiologie
American Society for Bone and Mineral Research
American Society for Nutrition
International Society on Nutrigenetics/Nutrigenomics

Main research and teaching activities

Dr. Kohlmeier has more than thirty years of experience in nutrition research, using in-vitro and animal studies, clinical trials of nutrients and other dietary supplement ingredients, and national nutrition surveys. He has developed novel biochemical methods for the assessment of dietary intake and nutrient adequacy. He authored a comprehensive textbook on nutrient metabolism, and is the lead author and developer of numerous on-line nutrition courses for medical students and healthcare professionals. He is the founding chief science officer of PogoHealth, Inc., which uses on-line technology to help the public make rational dietary supplement choices.

Dr. Kohlmeier's long-term research interests have focused on the influence of genetic variation as a modulator of nutrient disposition and on the assessment of nutritional status of normal populations and its impact on health. He identified low endogenous cholesterol synthesis as a cause of increased cholesterol sensitivity, the apolipoprotein E polymorphism as the main genetic modulator of vitamin K status, lactase persistence as a modulator of phytoestrogen bioavailability, and a very common MTHFD1 variant as a predictor of choline requirements.

He has taught courses in biochemistry, pathophysiology, laboratory medicine and nutrition at several universities for more than twenty five years. Dr. Kohlmeier is the project director of Nutrition in Medicine (NIM) and Nutrition Education for Practicing Physicians (NEPP) projects, and has contributed to the development, implementation and evaluation of numerous computer-based multimedia programs. The NIM materials are currently used by more than one hundred US medical schools and many international institutions. They are accredited for continuing education by the American Society for Nutrition and the American Dietetic Association. Current efforts of the project focus on web-based delivery and expanding the use of adaptive learning strategies.

A SELECTION OF PUBLICATIONS:

- Kohlmeier M. Anonymization of genetic data for nutrition guidance. *J Nutrigenet Nutrigenomics* 2008;1:303.
- Kohlmeier M, Zeisel SH. Dietary Supplements. In Walker's Nutrition in Pediatrics, 4th Edition, C. Duggan, W.A. Walker, J Watkins, Eds. McGraw-Hill, ISBN 1-550093-61-4 2008
- Lindell KC, Adams KM, Kohlmeier M, Zeisel SH. Evolution of a computer-assisted nutrition curriculum. *Am J Clin Nutr* 2006;83:956S-962S
- Adams KM, Lindell KC, Kohlmeier M, Zeisel SH. Status of nutrition education in medical schools. *Am J Clin Nutr* 2006;83:941S-944S
- Kohlmeier M, da Costa KA, Fischer LM, Zeisel SH. Genetic variation of folate-mediated one-carbon transfer pathway predicts susceptibility to choline deficiency in humans. *PNAS* 2005;102:16025-16030
- Song J, da Costa KA, Fischer LM, Kohlmeier M, Kwock L, Wang S, Zeisel SH. Polymorphism of the PEMT gene and susceptibility to nonalcoholic fatty liver disease (NAFLD). *FASEB J* 2005;9:1266-1271
- Kohlmeier M, Zeisel SH. Teaching preventive nutrition in medical schools. In *Preventive Nutrition: The Comprehensive Guide for Health Professionals*. 3rd ed. Bendich A, Deckelbaum RJ, eds. Humana Press Inc, Totowa, NJ, 2005, 889-899

- Kohlmeier M, Adams K, Lindell K. Sports nutrition: Physical activity and health. The Nutrition in Medicine Series, University of North Carolina, 2004. ISBN 1-888778-22-9
- Kohlmeier M. Nutrient metabolism. Academic Press, London, 2003, 826 pp. ISBN 0-12-417762-X
- Kohlmeier M, McConathy W, Lindell KC, Zeisel SH. Adapting the contents of computer-based instruction based on knowledge tests maintains effectiveness of nutrition education. *Am J Clin Nutr* 2003;74:1025-1027
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- Kohlmeier M, Lindell K, Adams K, Fernandez C. Nutrition for the second half of life. The Nutrition in Medicine Series, University of North Carolina, 2002. ISBN 1-888778-22-9
- Kohlmeier M, Cooksey K, Plaisted C, Adams K. Dietary supplements and fortified foods. The Nutrition in Medicine Series, University of North Carolina, 2001. ISBN 1-888778-08-3
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- Kohlmeier M, Althouse L, Stritter F, Zeisel SH. Introducing cancer nutrition to medical students: effectiveness of computer-based instruction. *Am J Clin Nutr* 2000;71:873-877
- Plaisted CS, Kohlmeier M, Cooksey K, Zeisel SH. The development of Nutrition In Medicine interactive CD-ROM programs for medical nutrition education. *J Canc Ed* 2000;15:140-3
- Ashley J, St.Jeor S, Perumean-Chaney S, McGeeJ, Veach T, Kohlmeier M, Zeisel S. Transition over three years using a multimedia computer-based module for educating medical students in cancer and nutrition. *J Cancer Ed* 1999;14:10.
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