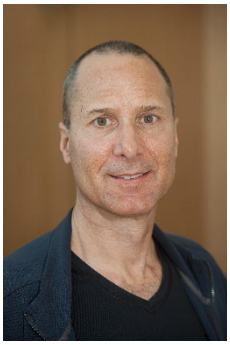
NIH Office of Dietary Supplements (ODS) 2024–2025 Seminar Series

Genetics, Health, and Essential Nutrients

Nicholas J. Schork, Ph.D.
The Translational Genomics Research Institute (TGen)
Phoenix, AZ

Wednesday, January 15 ● 11 a.m. – 12 p.m. ET

Join the Webinar
Access code: 160 642 3842 Password: ODSseminar (63773646 from phones)



Nicholas Schork, Ph.D., is a Distinguished Professor and Co-Director of the Division of Clinical Genomics and Therapeutics at TGen, a part of the City of Hope (COH) National Medical Center. He also holds appointments at COH, the University of California San Diego, Scripps Research, and the Providence St. Johns Health Center. His interests involve quantitative aspects of human biomedical research, particularly integrated approaches to complex biological and medical problems, including clinical trials design.

Dr. Schork has published more than 600 scientific articles and book chapters, mentored more than 75 trainees, has 12 patents, and has helped establish 10 companies. In 1998 and 1999 Dr. Schork took a leave of absence to work with the French biotechnology company Genset, where he developed methods for constructing and applying one of the first high-density maps of genetic variation in the human genome. He is currently a Principal Investigator in the National Institute on Aging (NIA)-sponsored Longevity Consortium as well as the Integrative Longevity Omics Initiative. He is also a project lead for the NIA-funded Precision Aging Network Consortium. He is a current member of the National Academies of Sciences, Engineering, and Medicine (NASEM) special emphasis panel on diet and disease relationships and was a member of the NASEM Food and Nutrition Board from 2003 to 2007. Dr. Schork received his B.A., M.A., M.S., and Ph.D. from the University of Michigan.

Recent Publications

1. Don J, Schork AJ, Glusman G, Schork NJ, et al. The relationship between 11 different polygenic longevity scores, parental lifespan, and disease diagnosis in the UK Biobank. 2024 *Geroscience*. Aug;46(4):3911–3927. doi: 10.1007/s11357-024-01107-1. Epub 2024 Mar 7. PMID: 38451433 PMCID: PMC11226417
2. Venn-Watson S, Schork NJ. Pentadecanoic Acid (C15:0), an Essential Fatty Acid, Shares Clinically Relevant Cell-Based Activities with Leading Longevity-Enhancing Compounds. 2023 *Nutrients*. Oct 30;15(21):4607. doi: 10.3390/nu15214607. PMID: 37960259 PMCID: PMC10649853
3. Schork NJ, Beaulieu-Jones B, Liang WS, Smalley S, et al. Exploring human biology with N-of-1 clinical trials. 2023 *Camb Prism Precis Med*. 1:e12. doi: 10.1017/pcm.2022.15. Epub 2023 Jan 10. PMID: 37255593 PMCID: PMC10228692

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Strengthening Knowledge and Understanding of Dietary Supplements