



THE SCIENCE BEHIND YOUR GNLD BUSINESS

PRODUCT EXCELLENCE THROUGH LEADING-EDGE SCIENCE AND TECHNOLOGY

AT GNLD, SCIENCE NEVER SLEEPS

GNLD's global research and development team works around the clock to bring you the most advanced products in the world. At any hour of the day, someone, somewhere, is brainstorming or researching an idea for a new GNLD product, performing a laboratory test to assure the safety, purity, and efficacy of a raw material, or developing an innovative technology that will be used to create products that truly make a positive difference in people's lives.

THE SCIENTIFIC ADVISORY BOARD KEEPS GNLD PRODUCTS AT THE LEADING EDGE

Today science is moving faster than ever before. Sometimes it is difficult to keep up with all the research breakthroughs and assess if new products are based on sound science. GNLD's Scientific Advisory Board (SAB) provides the perspective necessary to sort out the facts from the fads. This talented group of scientists, technologists and product professionals is the main reason our unequaled products continue to hold leading-edge positions in the global marketplace. Our SAB members are some of the most prominent professionals in their fields — you will not find a more distinguished, committed, or hard-working group



anywhere!

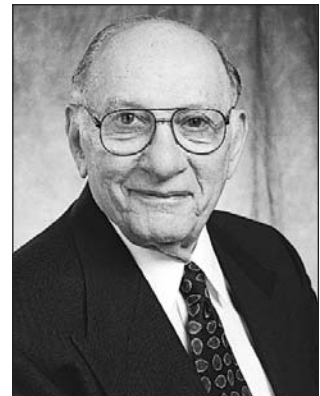
Guided by nature's "blueprint" and armed with information accessible only to experts, GNLD's SAB continues to lead the world in product innovation. The SAB constantly reviews and applies the latest scientific breakthroughs to:

- forecast and evaluate the health challenges facing us and our planet today and in the future.
- create new products to fulfill genuine human needs.
- act as a proactive resource to keep GNLD at the forefront of significant scientific and technological developments.
- guarantee superior product performance and safety.

MEET YOUR SCIENTIFIC ADVISORY BOARD!

**ARTHUR FURST,
PH.D., Sc.D., D.A.T.S.
FOUNDING MEMBER
EMERITUS**

Dedicated to
improving health
through good nutrition,



Dr. Arthur Furst is the founding member emeritus and "spiritual leader" of GNLD's Scientific Advisory Board. He received A.B. and M.A. degrees in Chemistry and Math from the University of California, Los Angeles (UCLA), a Ph.D. in Chemistry from Stanford University, and a Doctor of Science (Sc.D.) from the University of San Francisco (USF) for pioneering work in toxicology. A "Renaissance man" of science, Dr. Furst is highly regarded in the global research community. He was recently reconfirmed as a Diplomat of the Academy of Toxicological Sciences, a distinction held by only about 100 scientists worldwide. Dr. Furst retired from academia in 1980 after years of distinguished service at Stanford, UCLA, and USF. Currently he serves





on the Chemistry and Biochemistry Department Advisory Committee for UCLA and is a Distinguished University Professor Emeritus at USF. In 1992 he received the UCLA Alumni Award for Excellence in Professional Achievement.

Dr. Furst is internationally regarded as a pioneer in toxicology and cancer research. As a founder of the Stanford Cancer Chemotherapy Laboratory, he researched cancer-fighting compounds even before the American Cancer Society and the National Cancer Institute were established. Almost 50 years ago, Dr. Furst made two discoveries which have since been applied so extensively that today they are standard procedure for physicians treating cancer patients. Dr. Furst was among the first to demonstrate that chemotherapy drugs could be administered orally. He also discovered that cancer cells could develop resistance to chemotherapy agents, much like bacteria become resistant to antibiotics. This discovery led to the practice of treating cancer patients with multiple anti-cancer agents.

Dr. Furst's extensive cancer research led him to study toxic substances, notably heavy metals that cause cancer. In 1990 Dr. Furst received the Klaus Schwarz medal at the International Toxicology Congress in Tokyo. This award is given every four years to the world's foremost authority on toxicology. Since 1981, he has been a consultant in toxicology and chemistry to various industries and government agencies, including the World Health Organization and the Environmental Protection Agency. A member of 15 scientific societies and Fellow of five, Dr. Furst has authored more than 250 publications in the fields of cancer research, organic synthesis, psychopharmacology, and toxicology. Among his most recent contributions are experimental models that offer revolutionary humane alternatives to animal testing.

For many years, Dr. Furst's research had shown that certain substances in the diet could cause cancer and that certain nutrients could help protect individuals from dietary and environmental carcinogens. Dr. Furst sought a practical way to apply his findings for human benefit. In 1978, he found a "perfect fit" with GNLD. Attracted by the company's philosophy ("Based in Nature, Backed by Science"), commitment to quality, and genuine desire to help people live long, healthy lives, he joined the business, where to this day he masterminds innovative products for GNLD. To increase the ability of the body to benefit from mineral supplements, Dr. Furst was among the first to bring chelation to the industry. One of his proudest accomplishments is Betagard®, a revolutionary nutritional protector and detoxifier that supports the body's natural defenses against environmental toxins in air, water, and food. This product laid the groundwork for a generation of leading-edge antioxidant supplements, such as Daily Carotenoid Complex™. Dr. Furst's enormous talent, energy, dedication, and vision are major reasons that, year after year, GNLD has been able to bring you leading-edge products that fulfill genuine human needs.



ARIANNA CARUGHI, Ph.D., C.N.S.

Dr. Carughi received her B.A. in Biology/Ecology and Conservation from Vassar College, M.S. in Human Nutrition from Columbia University, and Ph.D. in Nutritional Sciences from the University of California, Berkeley. She held the title of Fellow of Stanford University, a Certified Nutrition Specialist, and a recipient of the International Institute of Education scholarship, the Neizer Fellowship from Stanford University, and a National Institutes of Health research grant in experimental nutrition. Her research has been published in numerous scientific journals. Fluent in English, Spanish, and Italian, Dr. Carughi has extensive contacts within the global scientific community and is particularly enthusiastic about the leadership role that the GNLD SAB plays in facilitating the international exchange of groundbreaking nutritional research.

As a university researcher, Dr. Carughi focused on nutrients — especially proteins and vitamins such as folic acid — playing key roles in growth and development. Now she applies these skills across a much broader spectrum of research challenges. In 1996, she was appointed to the organizing committee for the Plant Phenolic Interactive Group (PhenHRIG), a global team of phytonutrient researchers. Affiliated with the American Society for Nutritional Sciences, the research interest group is dedicated to the study of plant phenolic compounds (phytonutrients such as flavonoids and isoflavones) and their health effects. The Advisory Board of the PhenHRIG is comprised of top researchers in the phytonutrient area. At GNLD, Dr. Carughi's leadership is invaluable in helping develop innovative products.



FRED HOOPER, Ph.D.

Dr. Hooper earned his B.S. in Biology, Chemistry, and Math from Stephen F. Austin University in Texas and his Ph.D. in Biochemistry and Nutrition from Texas A & M University. He did postdoctoral research at the Institute for Biomedical Research at the University of Texas and taught science at high school and university levels. Dr. Hooper has participated in research on vitamins, hormones, lipids, and amino acids, and is credited with numerous scientific publications.

Dr. Hooper brings to GNLD an in-depth understanding of the intricate environment of the individual human cell and a fierce dedication to protecting the biological integrity and health of that environment. GNLD depends on Dr. Hooper to know how each product will react in the body and to evaluate new products in the context of the current state of research. A noted product formulator, Dr. Hooper explores how nutrients from whole foods work together to nourish, protect, and regenerate cells, and how whole-food supplements can provide optimal nutrition at the cellular level. With the goal of optimizing health and longevity for people everywhere, Dr. Hooper lectures throughout the world to provide diverse audiences with the “straight talk” they need to make informed decisions about their health and nutrition.



JOHN R. MILLER

Originally a Silicon Valley electronics engineer, Mr. Miller is GNLD’s Vice President of Science and Technology. His scientific and technical experience includes more than three decades of manufacturing administration, domestic and international product development, and international research and marketing for GNLD. Mr. Miller’s efforts have brought more than 500 products to almost 50 countries. Adept at long-range planning and problem solving, Mr. Miller determines the feasibility of products while they are still in the conception stage. He then guides products through development to introduction, coordinating with scientific, manufacturing, regulatory, and consumer groups to ensure that specific requirements are met.

Mr. Miller is the coordinator, communicator, and organizer of GNLD’s SAB activities. He understands the high-tech climate of today’s health and nutrition industry, and GNLD depends on his superior communication abilities to translate the latest research findings into information lay people can understand and products they can use. Mr. Miller works closely with the Council for Responsible Nutrition and the Direct Sales Association to support GNLD’s health and business interests. He is a member of the New York Academy of Sciences and the Society of Cosmetic Chemists. His ongoing concerns include health claims regulations, promoting health awareness, and environmental issues such as protection of our water supply.



GORDON W. NEWELL, Ph.D.

Dr. Newell received his B.A. in Chemistry and M.S. and Ph.D. in Biochemistry from the University of Wisconsin. After completing his graduate studies and a post-doctoral fellowship, Dr. Newell joined Stanford Research Institute as Senior Biochemist. During the next 28 years, he directed the development of one of the first toxicology departments in the United States. Dr. Newell has held numerous administrative research positions and has directed chemical and environmental research programs in the toxicology of food additives, industrial chemicals, drugs, and pesticides. He has also designed and accredited laboratory research facilities.

Dr. Newell served as Associate Executive Director for the Board of Toxicology and Environmental Health Hazards of the National Research Council/National Academy of Sciences. He later was Senior Program Manager for Health Studies at the Electric Power Research Institute.

Dr. Newell has authored more than 85 technical publications and papers, plus several hundred client-confidential reports. He has been a speaker and participant for numerous national and international scientific meetings, and has served as a member and Chair of many scientific advisory and review committees. He is a charter member of the Society of Toxicology and was the organizing chair and first President of the Northern California Chapter of the Society of Toxicology. He is past President of the American College of Toxicology and the Environmental Mutagen Society, and a member of the organizing committee for the Society for Risk Analysis. Dr. Newell is a Fellow and former President of the Academy of Toxicological Sciences, an honorary society of some 200 international scientists recognized worldwide for their leadership and research contributions.



DAVID SHEPHERD, Ph.D.

Dr. Shepherd received his B.S. from Durham University (United Kingdom), and his M.S. and Doctorate degrees in Microbial Biochemistry from Manchester University (U.K.). He completed his postdoctoral studies in Microbial Enzymology at the University of California, Davis.

A world-renowned biochemist and expert in phytochemicals, Dr. Shepherd's 20+ years of experience include 16 scientific publications, 12 patents, and extensive experience in more than 40 international markets as Worldwide Director of Food Beverages for one of the world's largest food companies.

Dr. Shepherd has a broad background in manufacturing and widespread involvement in the European scientific and technical communities. He is an authority on all aspects of food technology, from food biochemistry and raw materials to food and beverage development, manufacture, and distribution. He is knowledgeable about the history of whole foods, the establishment of a global food supply, and how current market trends affect nutrient diversity and availability.

Dr. Shepherd is a strong believer in natural approaches to health and longevity, and believes that dietary supplementation is essential to achieving long-term good health. Fluent in French, German, and English.



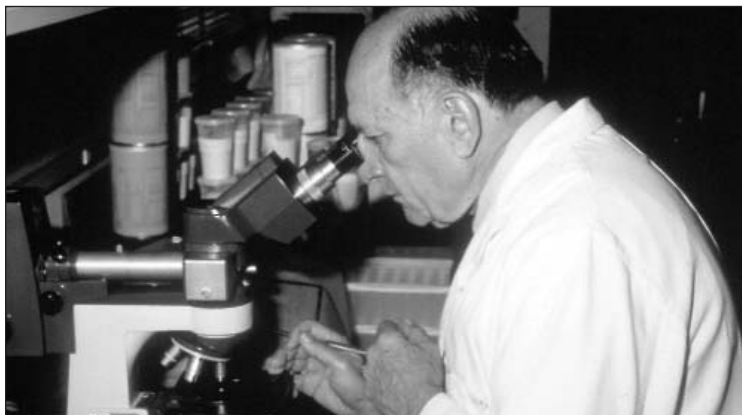
LASZLO P. SOMOGYI, PH.D.

Dr. Somogyi received his B.S degree in plant physiology at the University of Agricultural Sciences in Budapest, and his M.S. and Ph.D. degrees in Food Science at Rutgers University. He held a postdoctoral research position at the University of California, Davis, and was a senior food scientist at SRI International (formerly Stanford Research Institute). He served as a member of the Industry Advisory Council to the Department of Food Science and Nutrition, University of California, Davis, and on the Editorial Board of the Critical Reviews of Food Science and Nutrition.

Dr. Somogyi has specialized expertise in food product development, the application and regulatory aspects of food ingredients, additives and nutrients. Dr. Somogyi is the author of more than 50 scientific papers. He has contributed to and edited a number of food science and technology textbooks.

Dr. Somogyi has directed research projects for the U.S. Food and Drug Administration (FDA) and is a Fellow of the Institute of Food Technologists (IFT), has served in the Executive Committee of IFT, and was a chairman and “Outstanding Member” of the Northern California Section of IFT. Also, Dr. Somogyi is a member of the Public Body of Hungarian Academy of Sciences and the American Association of Cereal Chemists.

Founding member emeritus of the SAB, Dr. Arthur Furst, analyzes a nutrient compound during product development. GNLD's Scientific Advisory Board creates products based on the latest scientific expertise and state-of-the-art technology, so you receive maximum nutritional benefit.



SAB INVOLVEMENT IN THE GLOBAL SCIENTIFIC COMMUNITY

As well-respected leaders in their fields, GNLD's SAB members are also highly regarded participants in the global scientific community. They are annually invited to attend as many as 100 prestigious scientific meetings, where they both present their original research findings and learn from the breakthroughs of others. GNLD also sponsors numerous scientific events and conferences each year.

The SAB's constant and professional presence within the global scientific community gives us the opportunity to gain knowledge, insight, and opportunities that none of our competitors can match. For instance, due to the SAB's involvement in certain areas of research, our Carotenoid Complex™ supplement attracted the attention of several scientists, including a **United States Department of Agriculture (USDA)** research group that went on to publish studies showing that Carotenoid Complex™ enhances immune function in normal, healthy people, making our product the first carotenoid supplement ever proven to enhance immunity! Two more USDA studies also showed that Carotenoid Complex™ reduced oxidative damage to cells and blood components.

All of our nutritional and herbal products proudly bear the SAB seal to let you know that the GNLD SAB — leading authorities in their fields of expertise — has reviewed and approved the formulation.

The SAB seal lets customers know:

- Qualified scientists, researchers and product professionals evaluate the health challenges you face and search for solutions to promote and protect your long-term health.
 - Our products are based on the most recent and complete scientific understanding, and are developed using innovative technologies to maximize your nutritional benefit.
 - Our products are tested and certified using reliable, state-of-the-art scientific methods to ensure safety, quality, and effectiveness.

The SAB seal lets distributors know:

- GNLD products are of the highest quality and you can represent them with pride and confidence!
- GNLD's SAB will provide sound scientific guidance to help you and your customers make informed, healthy life choices.