

# **Science Partners LLC**

*Advancing the Medical and Scientific Consensus*

Science Partners LLC  
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## *Advancing the Medical and Scientific Consensus*

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**THE NEED  
FOR  
OBJECTIVE  
SCIENTIFIC  
ANALYSIS**

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The need for establishing the medical and scientific consensus has never been greater. Conflicts and controversies related to pharmaceuticals, industrial and agricultural chemical exposure, medical product safety, and health and environmental risks of exposure are pervasive. Daily, decisions on these matters are issued by regulatory and legislative bodies, and the courts. These decisions are often made without a clear understanding of the medical and scientific facts because independent, objective scientific analysis of the issues is lacking.

Successful resolution of these issues can be significantly advanced when the world's most respected scientific and medical authorities act as "referees," by conducting independent scientific assessments, presentations, and dialogue. This is the mission of Science Partners. Science Partners has three key characteristics that establish us as the preeminent authority on health, safety and environmental issues and controversies.

- ❑ Our medical and scientific experts – over 150 of the United States' and Europe's most respected physicians, medical scientists, environmental experts, and other safety and risk experts.
- ❑ Multidisciplinary expertise – covering 60 disciplines – that gives us an unmatched capability to analyze all aspects of an issue and deliver a balanced benefit/risk assessment.
- ❑ Independence – our experts have full control over the acceptance and execution of assignments. Some of our reports have been published in peer-reviewed journals, which are available on our web site.

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**SCIENCE  
PARTNERS  
WE  
ESTABLISH  
THE  
SCIENTIFIC  
TRUTH**

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Science Partners establishes the medical and scientific consensus through our extensive, multidisciplinary assessments. Our findings can be disseminated and promoted in multiple ways. We can be retained to: prepare thorough documents for persuading regulatory bodies and legislators in the U.S. and Europe; publish our findings; present the scientific truth to courts; proactively present the medical and scientific consensus to the public, citizen groups and professional organizations; and provide educational information on key health and safety issues to medical professionals and the public.

We work to erase people's false perceptions. We overcome biases by explaining the facts about health, safety and environmental risks. In this way we help our clients resolve regulatory challenges, block future attacks, counter negative media campaigns and win legal disputes.

## *Our World-Class Team of Scientists, Physicians and Engineers*

Science Partners is built for power – the power to unequivocally establish and communicate the scientific truth. We are an independent scientific organization composed of more than 150 of the United States' and Europe's most respected physicians, medical scientists, biomedical engineers, toxicologists, epidemiologists, environmental experts, and other safety and risk experts.

Our experts are leading authorities on the molecular basis for disease, chemical and drug interactions, and the toxicology and biology of adverse effects. Their intimate knowledge of the biosciences, clinical medicine, environmental sciences and bioengineering is without parallel. Their experience, objectivity, and preeminence are beyond dispute.

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**WORLD  
CLASS  
LEADERSHIP**

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Our European Scientific Director is **Rolf Schulte-Hermann, M.D., Ph.D.** He is Professor and Head of the Division of Toxicology and Prevention and Former Director of the Institute of Cancer Research at the Medical University of Vienna. He is the Chairman of the Austrian Society of Toxicology and Corresponding Member of the Austrian Academy of Sciences.

Our U.S. Scientific Directors are:

**Gerald N. Wogan, Ph.D.** He is Emeritus Underwood-Prescott Professor of Toxicology and Chemistry, Former Director of the Division of Toxicology, Former Head of the Department of Applied Biological Sciences, and Founding Director of the MIT Center for Environmental Health Sciences at the Massachusetts Institute of Technology. Dr. Wogan has been elected to the National Academy of Sciences and to the Institute of Medicine/National Academy of Sciences.

**Stephen I. Wasserman, M.D.** He is Professor of Medicine and Past Chairman of the Department of Medicine at the University of California, San Diego, Past President of the American Academy of Allergy and Immunology, Past Chairman of the Board of Internal Medicine, Past Chairman of the Board of Allergy and Immunology, author of more than 200 medical and scientific papers, and served as advisor to numerous governmental research agencies and biotechnology and pharmaceutical companies.

**Robert B. Daroff, M.D.** He was Professor, Past Chairman and is currently Interim Chairman of the Department of Neurology at Case Western Reserve University School of Medicine. He was also Chief of Staff and Senior Vice President for Academic Affairs at University Hospitals of Cleveland, and Vice Dean for Education and Academic Affairs at the School of Medicine. Dr.

Daroff is a Past President of both the American Neurological Association and the American Headache Society. He has served as a member of the Executive Board of the American Academy of Neurology and is an elected Fellow of the American Neurological Society.

Our scientific resources are supported by **Jeremy H. Griffiths**, Science Partners Managing Director and **Mihran A. Aroian**, Marketing Director.

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**EXPERIENCE**  
**OBJECTIVITY**  
**PREMINENCE**

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We have unparalleled multidisciplinary expertise covering 60 medical and scientific disciplines. This gives us an unmatched capability to analyze health, safety, risk and efficacy issues, and to convey the safety and benefits of products.

Our experts are or have been:

- ❑ Elected to the National Academy of Sciences, National Academy of Engineering and Institute of Medicine, and to National Academies of Science in European countries
- ❑ Presidents of virtually all of the leading international physician and other medical professional associations
- ❑ Editors of the world's finest medical and scientific journals
- ❑ Deans and Chairs of Medicine at major medical schools
- ❑ Chairs of the Board of Internal Medicine
- ❑ Chairs of departments at the most respected medical and engineering institutions worldwide
- ❑ Recipients of the most prestigious clinical, research and engineering awards
- ❑ Members of the executive committee and chairs of the Boards of Scientific Counselors to the various National Institutes of Health and similar European institutions
- ❑ Presidents of national/international scientific societies
- ❑ Chairpersons of national/EU/WHO committees
- ❑ Leading scientific officers at regulatory bodies and pharmaceutical companies
- ❑ Directors of clinical research at major medical institutes and hospitals

Our European team includes eminent scientific and clinical authorities from the United Kingdom, Germany, France, Italy, Spain, Finland, Austria, The Netherlands, Belgium, Hungary, Czechia, Denmark, Sweden and Switzerland.

A complete list of our European and United States experts, along with short biographies, are available upon request.

## *The Issues We Address*

The following are examples of issues Science Partners addresses and responds to:

- ❑ Benefit/risk analysis of pharmaceutical drugs and other medical products.
- ❑ Health and safety assessments of chemicals pursuant to European Chemicals Agency (ECHA) and Institute for Health & Consumer Protection (IHCP) classifications.
- ❑ Managing the risk assessment process in support of the REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) Regulation.
- ❑ Evaluations of health risks and causation allegations associated with exposures to chemicals, cosmetics, foods, fumes, radioactive materials, metals and other potentially toxic substances.
- ❑ Evaluation of health risks and causation allegations associated with exposures to agricultural and crop protection products.
- ❑ Whether a particular chemical or drug causes a specific injury or adverse effect
- ❑ Safety and environmental assessments of proposed new technologies
- ❑ Adequacy of labels, warnings, advertising, worker protection, and environmental controls
- ❑ Whether an environmental discharge has significantly deteriorated air, water and soil quality in fishery and other economic resources

## *Our Multidisciplinary Approach to Solving Problems*

We have unparalleled multidisciplinary expertise covering more than 60 medical and scientific disciplines. This gives us an unmatched capability to analyze health, safety, risk and efficacy issues, and to convey the safety and benefits of products. Our disciplinary expertise includes:

*Allergy and Immunology*  
*Animal Modeling*  
*Arthritis/Inflammatory Diseases*  
*Biomedical Engineering*  
-Drug delivery  
-Medical devices  
-Imaging  
-Instrumentation  
-Tissue Engineering

*Biochemistry*  
*Biostatistics*  
*Cardiology*  
*Chemical Engineering*  
*Child Psychiatry*  
*Data Analysis*  
*Dermatology*  
*Diabetes/Metabolic Diseases*  
*Ecology*  
*Endocrinology*  
*Environmental Assessment*  
*Epidemiology*  
*Gastroenterology*  
*Geology*  
*Hematology*  
*Hepatology*  
*Human Genetics*  
*Hydrology*  
*Industrial Chemistry*  
*Industrial Microbiology*  
*Infectious Diseases*

*Medicinal Chemistry*  
*Molecular Biology*  
*Molecular Epidemiology*  
*Neonatology*  
*Nephrology*  
*Neurobehavioral Toxicology*  
*Neurology*  
*Neuroscience*  
*Neurotoxicology*  
*Nuclear Sciences*  
*Occupational Medicine*  
*Oncology*  
*Osteoporosis*  
*Pathology*  
*Pediatrics*  
*Pharmacology*  
*Pharmacogenetics*  
*Pharmacogenomics*  
*Physiological Modeling*  
*Preclinical Safety*  
*Public Health*  
*Psychiatry*  
*Reproductive Disorders*  
*Respiratory Diseases*  
*Risk Assessment*  
*Seismology*  
*Stem Cell Biology*  
*Teratology*  
*Toxicology*

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**MULTI-  
DISCIPLINARY  
EXPERTISE**

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## *Our Services*

Science Partners offers our clients a powerful approach that allows the scientific truth to determine the appropriate outcome: with full support and communication of our opinions and conclusions. Our services are intended to affect outcomes before multiple audiences: regulatory bodies, courts, citizens' groups, physicians and patients, and the general public.

We deliver to our clients documents that unquestionably establish the medical and scientific consensus. Our documents contain a comprehensive assessment of all of the available product safety, efficacy and risk data, and present compelling opinions and conclusions. They can be authored by as many of our world-renowned experts as desired by the client. These documents:

- ❑ Examine the issues from every possible perspective - for example, toxicological, biological, clinical, epidemiological, environmental, statistical, pharmacokinetic, chemical, and engineering. This greatly enhances the power of the evidence.
- ❑ Address the social value, overall product safety profile, or focus on specific adverse effects or uses.

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**CONSENSUS  
DOCUMENTS  
THAT  
IMPACT  
DECISIONS**

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Perhaps our most well-known format is the consensus document. A consensus document examines a particular issue from every conceivable perspective, discusses all the available evidence, and presents a chain of reasoning that leads to an unassailable conclusion. It is endorsed by sufficient experts in each of the relevant disciplines so as to be perceived to represent the overwhelming scientific and medical consensus.

Our documents are a powerful weapon for responding to regulatory safety concerns; addressing toxic tort, environmental or product liability causation and adverse effect issues; responding to regulatory intervention; overcoming media-generated unjustified safety fears; and addressing nationwide health, safety and environmental controversies.

We can work with you to publish the consensus document or an abbreviated version, or we can format the document so that it can be effectively used with the media, advocacy and professional groups.

Once we have conducted our analysis, we can be retained to:

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**PRESENTING  
THE  
SCIENTIFIC  
TRUTH**

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- ❑ Advance the medical and scientific consensus through independent communication, whether before regulatory agencies, legislative bodies, media, patient and professional organizations or in the courtroom,
- ❑ Present independent, authoritative scientific presentations and assessments to the EPA, FDA, State of California OEHHA, NIOSH, and EUROPEAN authorities including ECHA, IHCP, EMEA, SCCP, other regulatory bodies and EU Scientific committees
- ❑ Engage in persuasive dialogue with regulatory bodies and legislators
- ❑ Create forums to communicate important product safety or environmental information to medical and safety directors, physicians, citizen and community groups

Our partners are experts in communicating safety and risk information to important audiences. They are adept at addressing regulatory and legislative bodies, courts, and the media. Our experts are also highly experienced in directing and preparing multidisciplinary scientific documents on behalf of organizations such as the National Institutes of Health, the National Academy of Sciences, the Institute of Medicine, and the Institute of Engineering.

Our scientific partners are proactive in supporting their safety opinions and conclusions. While we do not function as traditional ‘expert witnesses’, we sponsor and present our opinions and conclusions in the courtroom, before regulatory bodies and safety panels, legislative assemblies, to the media, professional and citizen organizations, community groups and the public at large.

Science Partners’ independence is a key to its ability to influence decisions and outcomes. We deliver to our clients unbiased, objective and independent analyses. We advocate only for the scientific truth.

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**OBJECTIVITY  
AND  
INDEPENDENCE**

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The conclusions and opinions expressed in our documents are solely those of the experts who have authored the document. Those partners who are engaged in the project have no contact or collaboration with the client once they begin the analysis of the data and the formulation of their opinions and conclusions. If any of our partners is associated with a client, they are barred from participating in document creation or science advocacy in support of that client’s products. In order to assist our clients to the fullest, there can be no suspicion that our work has been influenced by biases that favor the client.

Science Partners does not engage in general consulting, nor does it assist in product development. We get involved when a dispute, issue or controversy has arisen, or when clients seek an independent analysis of a product that is currently or about to be placed on the market.

## *Our Approach to Client Services*

- Clients can tailor their engagement of Science Partners to meet their regulatory, legislative, litigation, media and other safety and risk needs.
- Science Partners is dedicated to helping our clients across the entire spectrum: at the earliest stages when safety and risk problems are identified and prevention of attacks is needed, through full blown regulatory, legal and other ongoing attacks that threaten the product.
- We budget all of our services and provide clients with detailed cost reports. Our costs are predictable and controllable.
- Our services are designed to simultaneously address the needs of our clients' legal, safety, marketing, manufacturing, and business operational groups.
- Science Partners has experience, knowledge and processes to deliver cost effective services:
  - Years of experience in performing the underlying activities and controlling the cost of large scientific projects
  - Knowledge that virtually eliminates costly learning curves
- We have the resources necessary to respond quickly to our clients' needs:
  - Experienced management covering a wide range of expertise
  - Committed and readily available scientific partners
  - Time tested processes