Sima Salahshor

Adjunct Professor at University of Toronto, Faculty of Medicine
Toronto, ON, CA

Health Innovation Advisory and Program Design & Management

Biography

Dr. Sima Salahshor earned a Bachelor's degree in Clinical Chemistry, a Master's degree in Molecular Biology, and a PhD in Medical Genetics from Karolinska Institute in Stockholm, Sweden. She has worked as a scientist at numerous hospitals and research institutes in Toronto, Canada, including Princess Margaret Hospital, Ontario Cancer Institute, St. Michael Hospital, Mount Sinai Hospital, and Lunenfeld Research Institute. There, she focused on cancer biology and oncology research, analyzing clinical samples and publishing her findings on colorectal, breast, gastric, esophageal, and pancreatic cancer in collaboration with other medical experts. Currently, Dr. Salahshor serves as an adjunct professor at the University of Toronto's Faculty of Medicine, Department of Laboratory Medicine and Pathobiology. Additionally, she is the Principal at Shiruy, Inc. (formerly ScienceHA), a scientific advisory and program management firm specializing in life sciences and healthcare projects and programs. Throughout her career, she has worked with early-stage and larger pharmaceutical companies, utilizing her background in genetic, diagnostics and prognostic biomarkers, medical guideline and policy development, clinical trial study management, product evaluation, marketing, and commercialization. Dr. Salahshor is also a certified Project Management Professional (PMP) with the Project Management Institute (PMI), showcasing her extensive experience in program design, development, and implementation. Furthermore, she has been actively serving on several boards of directors, advisory committees, not-for-profit patient support organizations, and mentorship programs.

Availability

Keynote, Moderator, Panelist, Workshop

Industry Expertise

Non-Profit/Charitable, Insurance, Public Policy, Health Care - Services, Business Services, Research, International Trade and Development, Biotechnology, Pharmaceuticals, Medical Devices, Management Consulting, Education/Learning

Areas of Expertise

Oncology and Cancer Research, Psychedelic Medicine, Medical Genetics, Business Development & Partnerships, Program Implementation, Marketing & Corporate Strategy, Health Technologies, Medical Guideline and Policy, Health Innovation, Companion Diagnostics, Policy Analysis, Neurological Disorders (Multiple Sclerosis, Pain Management), Scientific Due Dilligence

Affiliations

University of Toronto, Faculty of Medicine, Department of Laboratory of Medicine and Pathobiology, Shiruy, Inc

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Sample Talks

Genetics and cancer risk factors

Communication of science to the general public is increasingly recognized as one of the responsibilities of scientists and health care professionals. In this session, principles of genetic inheritance, cancer risk factors, diagnostic and prognostic test methodologies and some of the latest treatment options are reviewed. The goal is to communicate scientific information and developments in the field of cancer genetics to promote better understanding of challenges & opportunities in personalized medicine among both professionals and the general public.

Picturing Science: An overview of imaging technologies

In the past decades imaging technologies are increasingly used to model the dynamics and structure of biological systems. Biomedical imaging is now an integral part of biological and medical sciences and is used in both clinical practice and research. In this session some of the latest imaging technologies are reviewed.

To be or not to be a scientist!

Various career paths available to students in science degree programs are reviewed. We also discuss what skills and qualifications are required to succeed in a graduate or postgraduate program and ultimately thrive as a good scientist. This talk was originally prepared for the "Summer Student Research Program" at the Department of Laboratory of Medicine and Pathobiology, Faculty of Medicine, University of Toronto.

Cell signaling pathways involved in carcinogenesis

Cell signaling pathways in normal and cancer cells will be discussed. We also review recent advancement in cancer treatment, novel drugs and their mechanism of action. This lecture is part of a graduate course that is offered at the University of Toronto, Faculty of Medicine.

Genetic diversity and drug resistance

Why some people respond to a treatment while others don?t? What are the mechanisms of drug resistance? How genetic makeup or dynamic genetic changes in cells contribute to drug resistance? Why a person develops tolerance to a drug? How biomarkers can help predict drug response? These are some of the questions that will be discussed in this session.

Education

Project Management Institute (PMI)

PMP Certification License #1661589

Karolinska Institute
Ph.D. Medical Genetics

Uppsala University
M.Sc. Molecular Biology

University College of Health Science
B.Sc. Clinical Chemistry
