Virtual meeting: Zoom

Genetics of Hereditary Cancer Symposium

Honoring Louise C. Strong, M.D.

Tuesday, June 22, 2021
9 a.m.–1 p.m. CST

Virtual meeting: Zoom
Meeting ID: 823 2037 3935 | Password:109861

Organizing Committee

Gigi Lozano, Ph.D.
Paul Scheet, Ph.D.
Vicki Huff, Ph.D.
Chris Amos, Ph.D.

Louise Connally Strong, M.D., received her medical degree from The University of Texas Medical Branch at Galveston (UTMB) with the long-term goal of conducting research in human genetics. She came to MD Anderson in 1972 as a research associate in the Graduate School of Biomedical Sciences and rose through the ranks to become a professor in the Department of Genetics, with joint appointments in the Department of Pediatrics/Biology and in Cancer Genetics in Breast Medical Oncology. She recently retired from MD Anderson after almost 50 years of stellar service.

Strong is best known for her expertise, scientific leadership and vision in pursuing studies related to the genetics of familial cancer – childhood cancers, in particular – and the long-term consequences of genetic predisposition and cancer therapies. She pioneered the field of human cancer predisposition and, with her collaborators, made seminal discoveries of the genetic basis of Wilms tumor, retinoblastoma and Li-Fraumeni syndrome (LFS). Her longitudinal study of families with LFS, in which she developed one of the largest collections of LFS families in the world, has resulted in a wealth of knowledge on the short- and long-term effects of inherited alterations in the TP53 tumor suppressor gene. Her work also includes developing strategies for improved clinical care, including cancer risk analysis and cancer screening.

In 1981, Strong became the first woman faculty member at MD Anderson to be named to an endowed professorship, now the Sue and Radcliffe Killam Chair. She has received many other awards for her work including the first Faculty Achievement Award for Cancer Prevention in 1992 and the Charles A. LeMaistre Outstanding Achievement Award in Cancer in 1999, both from MD Anderson. In 1997, she was honored with the Ashbel Smith Distinguished Alumna Award from UTMB and she was elected as an Inaugural Fellow of the American Association for Cancer Research (AACR) Academy in 2013. Nationally, she served on the NCI Data Evaluation Human Risk Assessment Project and as president of the AACR. She was appointed by President Ronald Reagan to two terms on the National Cancer Advisory Board. Her remarkable career and studies have significantly improved the lives of patients with inherited cancer predispositions.

More Information

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Making Cancer History®

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SPEAKER SCHEDULE

9 a.m.	**Welcome Introduction** **Gigi Lozano, Ph.D.**, Chair, Department of Genetics, MD Anderson
9:05–9:25 a.m.	**Louise Strong: From mathematical modeling to human molecular genetics** **Vicki Huff, Ph.D.**, MD Anderson
9:25–9:55 a.m.	**The Li-Fraumeni syndrome genomic landscape: A window to cancer prediction and prevention** **David Malkin, M.D.**, University of Toronto, Hospital for Sick Children
9:55–10:15 a.m.	**TP53 and its effects in extended families** **Chris Amos, Ph.D.**, Baylor College of Medicine
10:15–10:45 a.m.	**Redefining LFS using clinical and molecular data** **Judy Garber, M.D., M.P.H.**, Dana Farber Cancer Institute
10:45–11:10 a.m.	**BREAK**
11:10–11:15 a.m.	**Louise, the family scientist** **Paul Scheet, Ph.D.**, MD Anderson
11:15–11:45 a.m.	**Understanding the role of genetics in long-term survivors of childhood cancer** **Les Robison, Ph.D.**, St. Jude Children's Research Hospital
11:45 a.m.–12:05 p.m.	**Rare germline functional variant in the ARHGAP30 gene predisposes to Li-Fraumeni-like cancers** **Ralf Krahe, Ph.D.**, MD Anderson
12:05–12:25 p.m.	**Cancer risk modeling for deleterious mutations in TP53 using a multi-center consortium** **Wenyi Wang, Ph.D.**, MD Anderson
12:25–12:55 p.m.	**Cancer Genetics: from single genes to exomes on a cell phone** **Sharon Plon, M.D., Ph.D.**, Baylor College of Medicine
12:55–1 p.m.	**Closing Remarks** **Louise C. Strong, M.D.**, MD Anderson

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