



SYMPOSIUM AGENDA

SATURDAY, OCTOBER 3

8:00-8:50 OPENING REMARKS & KEYNOTE:

- OPENING REMARKS – JUDY GARBER, MD, AND ROBERT LUFKIN, DO
- KEYNOTE – PROF. PIERRE HAINAUT, UNIVERSITY OF GRENOBLE, FRANCE

8:50-10:30AM – SESSION I: MODELING LFS (CHAIR: DR. DAVID MALKIN)

- 8:50-9:10 PROF. GARETH BOND, UNIVERSITY OF BIRMINGHAM, UK
- 9:10-9:30 DR. ADAM SHLIEN, HOSPITAL FOR SICK CHILDREN, TORONTO, CANADA
Patterns and timing of mutations as well as loss of heterozygosity in LFS
- 9:30-9:50 DR. JASON BERMAN, CHILDREN'S HOSPITAL OF EASTERN ONTARIO, OTTAWA, CANADA
Zebrafish models of Li-Fraumeni syndrome – insights into the contribution of modifier lesions
- 9:50-10:10 DR. EMILIA PINTO, ST. JUDE CHILDREN'S RESEARCH HOSPITAL, MEMPHIS, TN, USA
XAF1 as a modifier of cancer risk in carriers of hypomorphic TP53 alleles
- 10:10-10:30 PANEL Q & A: HAINAUT, BOND, SHLIEN, BERMAN, PINTO

BREAK 30 MIN

11:00AM-12:40PM – SESSION II: PRECLINICAL THERAPEUTIC SCIENCE (CHAIR: PROF. ARNOLD LEVINE)

- 11:00-11:20 PROF. ARNOLD LEVINE, PRINCETON, NJ, USA
Mouse models of Li-Fraumeni Syndrome: What can we learn
- 11:20-11:40 DR. PAUL HWANG, NHLBI, NIH, BETHESDA, MD, USA
Fatty acid metabolism and tumorigenesis in Li-Fraumeni syndrome
- 11:40-12:00 DR. RAN KAFRI, TORONTO, CANADA
- 12:00-12:20 PROF. VARDA ROTTER, WEIZMANN INSTITUTE, REHOVOT, ISRAEL
Characterizing the molecular mechanism regulating LOH in LFS patients: Search for inhibitors to prevent initiation and progression of LOH.
- 12:20-12:40 PANEL Q & A: LEVINE, HWANG, KAFRI, ROTTER

12:40-1:10PM – BREAK

1:10-2:50PM – SESSION III: CHALLENGES IN INTERPRETATION OF TP53 VARIANTS: LOW PENETRANCE ALLELES, ACE AND VUS (CHAIR: SHARON PLON)

- 1:10-1:30 DR. KARA MAXWELL, UPENN, PHILADELPHIA, PA, USA
The low penetrance allele, TP53 p.G334R, and the evolving management of Low Risk Li-Fraumeni Syndrome
- 1:30-1:50 DR. SHARON SAVAGE, NCI, BETHESDA, MD, USA
- 1:50-2:10 DR. THIERRY FREBOURG, ROUEN, FRANCE
- 2:10-2:30 DR. JEFFREY WEITZEL, CITY OF HOPE, DUARTE, CA, USA
- 2:30-2:50 PANEL Q & A: MAXWELL, WEITZEL, FREBOURG, SAVAGE

2:50-3:50PM – SESSION IV: PHENOTYPE: GENOTYPE CORRELATIONS (CHAIR, PHUONG MAI)

- 2:50-3:10 PROF. WENYI WANG, UTMDACC, HOUSTON, TX, USA
Clinical impact of de novo mutations in TP53 as illustrated in families with Li-Fraumeni syndrome
- 3:10-3:30 PROF. DAVID THOMAS, GARVAN INSTITUTE, SYDNEY, AUSTRALIA
A landscape map of biological pathways driving risk for sarcomas: the International Sarcoma Kindred Study
- 3:30-3:50 PANEL Q & A: WANG, THOMAS

SUNDAY, OCTOBER 4

9:00-10:40AM – SESSION V: EARLY TUMOR DETECTION APPROACHES (CHAIR: SURYA REDNAM)

- 9:00-9:20 PROF. TREVOR PUGH, PRINCESS MARGARET CANCER CENTRE, TORONTO, CANADA
Molecular surveillance for LFS-associated cancers through cell-free DNA sequencing
- 9:20-9:40 DR. BRIAN CROMPTON, DFCI, BOSTON, MA, USA
- 9:40-10:00 DR. ANNA GOLDENBERG, HOSPITAL FOR SICK CHILDREN, TORONTO, CANADA
- 10:00-10:20 DR. STEPHEN FRIEND, SEATTLE, WA, USA
- 10:20-10:40 PANEL Q & A: PUGH, CROMPTON, GOLDENBERG, FRIEND

BREAK 10 MIN

10:50AM-12:10PM – SESSION VI: PSYCHOSOCIAL ISSUES AND COUNSELING IN LFS (CHAIR: KIM NICHOLS)

- 10:50-11:10 WENDY KOHLMANN, HUNTSMAN CANCER CENTER, SALT LAKE CITY, UTAH, USA
- 11:10-11:30 DR. ANITA VILLANI, TORONTO, CANADA
- 11:30-11:50 ROWAN FORBES-SHEPHERD, PETER MACCALLUM CANCER CENTRE, MELBOURNE, AUSTRALIA
Adolescent and young adult experiences of Li-Fraumeni syndrome: an Australian perspective
- 11:50-12:10 PANEL Q & A: VILLANI, FORBES-SHEPHERD, KOHLMANN

12:10-1:30PM – BREAK

1:30-3:00PM – ASK AN LFS GENETIC COUNSELOR! LFS GENETIC COUNSELOR'S ADVISORY GROUP

- MODERATOR: KATHERINE SCHNEIDER, DANA FARBER CANCER INSTITUTE AND CHAIR
- LFS GENETIC COUNSELOR ADVISORY GROUP

BREAK 15 MIN

3:15-4:15PM – BREAST HEALTH & YOU

DR. NATALIA POLIDORIO, SAO PAULO, BRAZIL

SATURDAY, OCTOBER 10

8:30-9:30AM OPENING REMARKS & KEYNOTE:

- WELCOME & OPENING REMARKS – JENNIFER PERRY, PRESIDENT LFSA
- KEYNOTE – DR. DAVID MALKIN, HOSPITAL FOR SICK CHILDREN, TORONTO, CANADA
1990-2020: Reflections on the Pearl Anniversary of LFS and p53

9:30-11:20AM – SESSION VII: SURVEILLANCE IN LI-FRAUMENI SYNDROME (CHAIR: LISA DILLER)

- 9:30-9:50 DR. MARY-LOUISE GREER, HOSPITAL FOR SICK CHILDREN, TORONTO, CANADA
Integrated imaging in LFS surveillance
- 9:50-10:10 DR. MARIA ISABEL ACHATZ, HOSPITAL SIRIO-LIBANES, SAO PAULO, BRAZIL
- 10:10-10:30 DR. CHRISTIAN KRATZ, UNIVERSITY OF HANNOVER, HANNOVER, GERMANY
Brief report from the LFS registry in Germany: Diagnostic challenges, phenotype-genotype correlations, and surveillance
- 10:30-10:50 DR. PATRICIA PROLLA, PORTO ALLEGRE, BRAZIL
- 10:50-11:20 PANEL Q & A: GREER, ACHATZ, KRATZ, PROLLA, RANGASWAMI

11:20-12:30 – BREAK

12:30-2:20PM – SESSION VIII MISCELLANEOUS CLINICAL TOPICS IN LFS (CHAIR: HUMA RANA)

- 12:30-12:50 DR. JUNNE KAMIHARA, DFCI, BOSTON, MA, USA (Pediatric)
- 12:50-1:10 DR. PHUONG MAI, U PITTSBURGH, PITTSBURGH, PA, USA (Adult)
- 1:10-1:30 DR. MICHAEL WALSH, MSKCC, NEW YORK, NY, USA
Moving toward comprehensive care for individuals with Li-Fraumeni syndrome
- 1:30-1:50 DR. BANU ARUN, MDACC, HOUSTON, TX, USA
Clinical characteristics of breast cancer patients with Li-Fraumeni syndrome
- 1:50-2:20 PANEL Q & A: KAMIHARA, MAI, WALSH, ARUN

2:20-3:40PM – SESSION IX: COUNSELING ISSUES IN LFS (CHAIR: KATHERINE SCHNEIDER)

- 2:20-2:40 BITA NEHORAY, CITY OF HOPE, DUARTE, CA, USA
- 2:40-3:00 SHARON BOBER, DFCI, BOSTON, MA, USA
Sexual health in the context of LFS
- 3:00-3:20 YELENA WU, HUNTSMAN CANCER CENTER, SALT LAKE CITY, UTAH, USA
Supporting children and adolescents with Li-Fraumeni syndrome: Psychosocial considerations
- 3:20-3:40 PANEL Q & A: WU, BOBER, NEHORAY

SUNDAY, OCTOBER 11

8:30-10:10AM – SESSION X: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN LFS (CHAIR: RAYMOND KIM)

- 8:30-8:50 DR. ANNA GOLDENBERG, HOSPITAL FOR SICK CHILDREN, TORONTO, CANADA
- 8:50-9:10 DR. CATHERINE GOUDIE, MCGILL UNIVERSITY, MONTREAL, CANADA
Using eHealth to help clinicians identify cancer predisposition syndromes in children
- 9:10-9:30 DR. JENNIFER MACK, DFCI, BOSTON, MA, USA
Using a chatbot to communicate about cancer risk and screening: The AYA-RISE intervention
- 9:30-9:50 DR. STEPHEN FRIEND, SEATTLE, WA, USA
- 9:50-10:10 PANEL Q AND A: FRIEND, GOUDIE, MACK, GOLDENBERG

BREAK 10 MIN

10:20-11:30AM – SESSION XI: LFS STUDIES (CHAIR: PAYAL KHINCHA)

- 10:20-10:40 LIFT-UP: DR. JUDY GARBER, DFCI, BOSTON, MA, USA / DR. JEFFREY WEITZEL, COH, DUARTE, CA, USA
- 10:40-11:10 METFORMIN IN LFS: DR. PAYAL KHINCHA, NIH, BETHESDA, MD, USA / DR. SARAH BLAGDEN, OXFORD UNIVERSITY, OXFORD, UK / DR. DANIEL MORGENSTERN, HOSPITAL FOR SICK CHILDREN, TORONTO, CANADA (COMBINED)
- 11:10-11:30 PANEL Q & A: GARBER, WEITZEL, KHINCHA, BLAGDEN, MORGENSTERN

BREAK 20 MIN

11:50-12:50PM – SESSION XII: OPEN MIC PANEL

- DR. JUDY GARBER, DR. SHARON SAVAGE, DR. CHRISTIAN KRATZ, PROF. GARETH EVANS, PROF. CLAIRE WAKEFIELD, ALISON SCHWARTZ, MEGAN FRONE
- MODERATOR: DR. DAVID MALKIN

BREAK 10 MIN

1:00-2:00PM – LFSA YOUTH & YOUNG ADULT PANEL

A unique opportunity for researchers and providers to ask questions of patients with LFS between the ages of 13-25. If there are no questions, they will tell you how they feel! Join in to learn about everything you've always wanted to know but were afraid to ask!

- LFSA YOUTH
- MODERATORS: KATHERINE SCHNEIDER, DANA-FARBER CANCER INSTITUTE & JENN PERRY, LFSA

BREAK 15 MIN

2:15-3:30PM – WHAT RESILIENT PEOPLE KNOW

- GINA VILD, CO-AUTHOR: *HOW TO FIND YOUR PURPOSE - AND LIVE A HAPPIER, HEALTHIER LIFE*
- MODERATOR: JENN PERRY, LFSA

