

8th International LFS Association Symposium

Co-hosted by The University of Texas MD Anderson Cancer Center in collaboration with the LiFE Consortium

Program Agenda

Thursday, October 1st	The Blossom Hotel, Houston, TX 7118 Bertner Ave, Houston, TX
3.00pm – 5.00pm	Registration <i>The Blossom Hotel</i>
6.00pm – 8.00pm	Welcome Cocktail Reception <i>Ballroom, The Blossom Hotel</i>
Friday, October 2nd	TMC3 Collaborative Building • Helix Park • Houston, TX
7.00am – 8.00am	Registration & Poster set up
7.30am – 8.30am	Breakfast
8.00am – 9.15am	Welcome & Introduction <i>Jenn Perry & Banu Arun, MD</i>
	Family & Patient Perspective <i>Nancy Lesko</i>
	Dr. Louise Strong Lectureship Varying Physiological Activities of p53 Mutants <i>Gigi Lozano, PhD</i>
9.15am – 11.05pm	Pierre Hainaut Lectureships
9.15am – 9.40am	TP53 & Rezadapopt <i>Arnie J. Levine, PhD</i>
9.45am – 10.05am	Exploring the Complex Relationship of p53 and Li-Fraumeni Syndrome <i>David Malkin, MD</i>
10.10am – 10.30am	Update from the Li-Fraumeni syndrome registry in Germany <i>Christian Kratz, MD</i>

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10.35am – 10.55am	Molecular Determinants of Phenotypic Variability in the Li-Fraumeni Syndrome <i>Emillie Montellier, PhD</i>
10.55am – 11.05am	Questions
11.10am – 12.10pm	LFSA Hope in Action <i>Jenn Perry, President & CEO LFSA</i> LFSA Medical Director <i>Robert Lufkin, DO, Medical Director LFSA</i>
12.10pm – 12.50pm	LUNCH
12.50pm – 3.10pm	Updates on Screening, Surveillance and Prediction
12.50pm – 1.10pm	New strategies and collaborations for early cancer detection in Li-Fraumeni Syndrome <i>Brian Crompton, MD</i>
1.10pm – 1.30pm	Liquid biopsy in LFS: Patient perspectives and barriers to care <i>Suzanne MacFarland, MD</i>
1.30pm – 1.50pm	<i>TITLE TBA</i> <i>Chris Porter, MD</i>
1.50pm – 2.10pm	Emerging Biomarkers & Models for Risk Stratification of Cancer Onset in LFS <i>Junne Kamihara, MD, PhD</i>
2.10pm – 2.30pm	Forecasting cancer onset age from skin and blood cell growth phenotypes in Li-Fraumeni syndrome <i>Ran Kafri, PhD</i>
2.30pm – 2.50pm	Age- and Sex-Specific Brain Cancer Penetrance in TP53 Carriers <i>Madisen Mason</i>
2.50pm – 3.10pm	Questions
3.10pm – 3.30pm	BREAK

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3.30pm – 5.15pm	Therapeutic Impacts in LFS
3.30pm – 3.50pm	Risk of Therapy-Related Subsequent Neoplasms in Individuals with Germline TP53 Variants <i>Payal Khincha, MBBS, MSHS</i>
3.55pm – 4.15pm	Management of Breast Cancer in LFS Patients <i>Banu Arun, MD</i>
4.20pm – 4.40pm	Novel Insights in Glioma Management in Cancer Predisposition Syndromes including LFS <i>Anirban Das, MBBS, MD, DM</i>
4.45pm – 5.05pm	Hematologic Malignancies & LFS <i>Courtney DiNardo, MD</i>
5.05pm – 5.15pm	Questions
5.20pm – 5.30pm	Katherine M. Howley Endowment Fund
5.35pm – 5.45pm	LFSA Guardian Angel Award
6.00pm – 8.00pm	Dinner and Poster Session Begins! – TMC3 Collaborative Building
October 3rd, Saturday	TMC3 Collaborative Building • Helix Park • Houston, TX
7.30am – 8.30am	Breakfast
8.00am – 8.30am	Dr. Joseph F. Fraumeni Jr. Lecture <i>Maria Isabel Achatz, MD, PhD</i>
8.35am – 11.20am	The International Perspective
8.35am – 8.55am	Characteristics and Special Considerations of the Israeli Li-Fraumeni Syndrome Cohort <i>Orli Michaeli, MD</i>
9.00am – 9.20am	Connecting Researchers, Clinicians, and Patients: The French Experience in Li-Fraumeni Syndrome LFSA France Chapter Chair <i>Gaelle Bougeard, PhD</i>

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9.25am – 9.45am	Li-Fraumeni Syndrome Across Borders: Lessons from Brazil & International Collaborative Studies <i>Renata Sandoval, MD, PhD</i>
9.45am – 10:05am	LFS in Africa: The Journey from Genetic Research to local Diagnostic Capability LFSA Africa Chapter Chair <i>Samuel Oliech Omolo Mzee</i>
10.10am – 10.30am	Manchester Li-Fraumeni Syndrome programme: Integrating clinical care, longitudinal data and early cancer detection <i>Emma Woodward, MA, MB, BChir, PhD, FRCP</i>
10.30am – 10.50am	Li-Fraumeni Syndrome in Japan: Nationwide Efforts to Address Current Challenges <i>Yoshiko Nakano</i>
10.50am – 11.10am	Individual and Family Level Experiences of Living with a Cancer Predisposition Syndrome: Perspectives of adolescents and Young Adults and their Parental Caregivers <i>Meis Omran, MD, PhD</i>
11.10am – 11.20am	Questions
11.20am – 12.40pm	Novel Therapies – Vaccines & Drug Repurposing
11.20am – 11.40am	Experimental Oncology in the field of LFS <i>Sarah Blagden, BSc, FRCP, PhD</i>
11.45am – 12.05pm	Clarifying germline TP53 Variant Programs in LFS <i>David Hoyos</i>
12.10pm – 12.30pm	Molecular Profile of Normal Breast & Breast Tumors in LFS Patients <i>Kornelia Polyak, MD, PhD</i>
12.30pm – 12.40pm	Questions
12.40pm – 1.45pm	Lunch - All
12.40pm – 2.00pm	Sponsorship Luncheon

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1.00pm – 2.00pm	Breakout Room A What & When to Tell Children session #1 1.00pm – 1.30pm session #2 1.30pm – 2.00pm Breakout Room B Managing Scanxiety session #1 1.00pm – 1.30pm session #2 1.30pm – 2.00pm
2.15pm – 3.15pm 2.15pm – 2.35pm	LFS & Sarcomas <i>TITLE TBA</i> <i>Adam Shlien, PhD, FCCMG</i>
2.40pm – 3.00pm	<i>TITLE TBA</i> <i>Judy Garber, MD, MPH</i>
3.05pm – 3.15pm	Questions
3.20pm – 4.10pm 3.20pm – 4.00pm	Youth Panel Isabel Cristina Costa, Caley Martinez, Olivia Lufkin, Jess McCollum, Kiersten Bahr
4.00pm – 4.10pm	Questions
4.15pm – 4.30pm	Lesko-Fleming Grant
4.35pm – 4.55pm	A Ticking Time Bomb: A Decade Spent Writing a Book About LFS <i>Katelyn Verstraeten</i>
5.00pm – 5.15pm	LFSA Global Pioneer Award
<i>FREE NIGHT! Enjoy Houston everyone!</i>	
October 4th, Sunday	TMC3 Collaborative Building • Helix Park • Houston, TX
7.30am – 8.30am	Breakfast
8.00am – 10.00am	Advances in Understanding Clinical Manifestations & Management 8.00am – 8.20am The Importance of discerning acquired versus inherited TP53 <i>Jeffrey Weitzel, MD, FACMG</i>

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8.20am – 8.40am	From Code to Care; Variant Interpretation & Clinical Management for Non-Missense TP53 Variants <i>Megan Frone, MS, LGC</i>
8.40am – 9.00am	Cancer Risk & Spectrum Differ Between Hypomorphic & Non-Functional TP53 Variants in Li- Fraumeni Syndrome <i>Huma Rana, MD, MPH</i>
9.00am – 9.20am	Where Do I Go From Here? A Novel Tool for Supporting Healthcare Transition of Adolescents and Young Adults with LFS <i>Rose McGee, MS, CGC</i>
9.20am – 9.40am	Rezapopt in TP53 Y220C – Mutant Cancers <i>Masha Poyurovsky, PhD</i>
9.40am – 10.00am	Questions
10.00am – 10.10am	Break
10.10am – 12.05pm	Models for Discovery in LFS
10.10am – 10.30am	Beyond Extra p53: New Insights into Elephant Cancer Resistance and Li-Fraumeni Syndrome <i>Lisa Abegglen, PhD</i>
10.30am – 10.50am	Toward Cancer Prevention in Li-Fraumeni Syndrome: Insights from the Zebrafish Model <i>Jason Berman, MD</i>
10.50am – 11.10am	p53 as a Target for Cancer Therapy & Prevention <i>Kanaga Sabapathy, PhD</i>
11.10am – 11.30am	We Are All Mosaics: Understanding Cellular Diversity and What It Means for LFS <i>Jacey Pridgen, MD, PhD</i>
11.30am – 11.50am	Precision Therapy for Treating Li-Fraumeni Syndrome: Can Rezapopt Delay or Prevent Tumorigenesis in Mice with a Germline TP53-Y220C Mutation? <i>Gerard Zambetti, BS, MS, PhD</i>
11.50am – 12.00pm	Questions

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12:00pm – 1:00pm

Lunch

12.10pm – 1:10pm

Breakout Room A Radiation screening & more

Behrang Amiri, MD, PhD

session #1 12.10pm – 12:40pm

session #2 12.40pm – 1:10pm

Breakout Room B Breast Cancer

Dr. Judy Garber & Dr. Maria Isabel Achatz

session #1 12.10pm – 12:40pm

session #2 12.40pm – 1:10pm

1.20pm – 3.05pm

AI and Machine Learning and LFS

1.20pm – 1.40pm

How the MIPOGG App can screen LFS in Children and Young Adults

Catherine Goudie, MD, FRCPC

1.45pm – 2.05pm

Transfer Learning for Survival-based Clustering of Predictors with an Application to TP53 Mutation Annotation

Wenyi Wang, PhD

2.10pm – 2.30pm

LFSPRO prediction

Jessica Corredor, MS, CGC

2.35pm – 2.55pm

Examples of how AI/ML are Helping to Offer Insights and Therapies for Rare Diseases

Stephen H. Friend, MD, PhD

2.55pm - 3.05pm

Questions

3.15pm – 5.00pm

Newborn Screening for LFS

3.15pm – 3.35pm

What have we learned about LFS/cancer predisposition newborn screening from cost-effective models and Newborn Bloodspot Banks.

Lisa R. Diller, MD

3.40pm – 4.00pm

What will we learn about LFS from prospective trials of newborn sequencing?

Sharon Plon, MD, PhD

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4.05pm – 4.25pm	Not a Foregone Conclusion: Parental Acceptability of NBS for LFS and Other Predisposition Syndromes <i>Yiming Wang, MD, PhD, FRCPC</i>
4.30pm – 5.00pm	Screening Panel Discussion <i>Judy Garber, MD, MPH, Behrang Amiri, MD, PhD</i>
6.00pm – 8.00pm	International Dinner, For All!
October 5th, Monday	TMC3 Collaborative Building • Helix Park • Houston, TX
7.30am – 8.30am	Breakfast
8.30am – 8.40am	LFSA Global Champion Award
8.40am – 8.55am	LFSA Hero Award
8.55am – 9.25am	Right Test, Right Question, Right Time <i>Brandie Leach, MS, CGC</i>
9.25am – 10.55am	Malignancies of growing clinical recognition
9.25am – 9.45am	Prostate, Thyroid & colon Cancer in Li-Fraumeni Syndrome <i>Kara Maxwell, MD, PhD</i>
9.45am – 10.05am	Inherited Risk, Acquired Drivers: Understanding Lung Cancer in Li-Fraumeni Syndrome <i>Jaclyn LoPiccolo, MD, PhD</i>
10.05am – 10.25am	<i>Pancreatic Cancer in LFS - Ongoing Efforts to Characterize Risk and Surveillance approaches</i> <i>Asaf Maoz, MD</i>
10.25am – 10.45am	Gynecological Tumors in Li-Fraumeni Syndrome: Emerging Evidence & Unanswered Questions <i>Adela Rodriguez Hernandez, MD</i>
10.45am – 10.55am	Questions



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11.00am – 12.00pm

Panel Discussion

Judy Garber, MD, MPH; Maria Isabel Achatz, MD, PhD; Megan Frone, MS, LGC; Josh Schiffman MD; Kara Maxwell, MD, PhD

12.00pm – 12.30pm

Closing and announcements