Agenda

Thursday, October 13th | Pooks Hill Marriott, Bethesda, MD
2:00 – 8:00 PM  Registration Check-in – Marriott Lobby
6:00 – 8:00 PM  Welcome Cocktail Reception with light fare

Friday, October 14th | NCI Shady Grove, 9609 Medical Center Drive, Rockville, MD
7:30 AM  Continental Breakfast
8:30 – 9:10 AM  Welcome Address
8:30-8:35 a.m.: Payal Khincha
8:35-9:00 a.m.: Jennifer Perry
9:00-9:10 a.m.: Elizabeth Cowles
9:10 – 10:15 AM  Thierry Frebourg Memorial Session
  Session Chair: David Malkin
  9:10-9:20 a.m.  Philip Castle
  Title: TBD
  9:25 – 9:30 am  David Malkin- Introduction of Gareth Evans
  9:30-9:55 a.m.  Keynote address by Gareth Evans
  Title: Li-Fraumeni syndrome due to TP53 mutations: Manchester experience of TP53 related breast cancer incidence and screening with whole body MRI
  10:00-10:15 a.m.  Christian Kratz
  Title: The Li-Fraumeni Spectrum
  10:20 AM  Break
10:40 – 12:00 PM  TP53 in populations and around the world
  Session Chair: Phuong Mai
  10:40-10:50 a.m.  Cristina Fortuno
  Title: Risk estimates for cancer types in TP53 carriers beyond the core Li-Fraumeni syndrome spectrum
  10:55-11:10 a.m.  Patricia Prolla
Title: Li-Fraumeni syndrome families with atypical clinical presentation: the challenge of using clinical criteria for genetic testing

11:15-11:25 a.m. Megan Frone

Title: TP53-specific modifications on the ACMG/AMP variant curation guidelines improve analysis of germline TP53 variants

11:30-11:40 p.m. Kelvin de Andrade

Title: The TP53 Database: Transition from the International Agency for Research on Cancer to the US National Cancer Institute

11:45-11:55 p.m. Ixtaccihuatl Obregon

Title: The prevalence of autoimmune disorders in individuals with and without Li-Fraumeni syndrome

12:05 PM Lunch

12:35 – 1:20 PM Breakout session I

In person sessions:
  i) Understanding health insurance terminology and coverage options for LFS
  ii) Navigating a new LFS diagnosis
  iii) Supporting a balanced relationship with food, movement, and body image
  iv) Managing grief and loss
  v) Adolescence and young adulthood with LFS

Virtual sessions:
  i) Navigating a new LFS diagnosis
  ii) Talking with children about LFS
  iii) Managing grief and loss

1:25 – 2:10 PM Breakout session II

In person sessions:
  i) The LFS Spectrum: Different Presentations of TP53 Variants and Mosaic LFS
  ii) Whether and When to Test Children for LFS
  iii) Talking with children about LFS
  iv) Coping and caring: mental health and LFS
  v) Post-mastectomy breast cancer surveillance

Virtual sessions:
  i) The LFS Spectrum: Different Presentations of TP53 Variants and Mosaic LFS
  ii) Whether and When to Test Children for LFS
  iii) Supporting a balanced relationship with food, movement, and body image
  iv) Coping and caring: mental health and LFS
  v) Adolescence and young adulthood with LFS

2:15 – 3:00 PM International Youth Panel

3:00 – 4:15 PM Cancer Screening
Session Chair: Payal Khincha

3:00-3:15 p.m. Payal Khincha
Title: Cancer screening at the NCI: Present and Future

3:20-3:30 p.m. Ashkan Malayeri
Title: Imaging Strategies in Surveillance and Follow-up of Patients with Li-Fraumeni Syndrome

3:35-3:50 p.m.: Maria Isabel Achatz
Title: Brazilian Li-Fraumeni Syndrome Study (BLiSS): preliminary results of a 5-year cohort

3:55-4:10 p.m. Trevor Pugh
Title: Integrated analysis of cell-free DNA for the early detection of cancer in people with Li-Fraumeni Syndrome

4:20 PM Break

4:45 – 5:45 PM History of LFS
Session Chair: Stephen Friend

4:45-4:50 p.m. Introduction

4:55-5:15 p.m. Joseph Fraumeni
Title: The Early Days at the NCI

5:20-5:40 p.m. Elaine Li Shiang
Title: Reflections on Li-Fraumeni Syndrome and the of life Dr. Frederick Li

International Food Festival at the Marriott hosted by the LFS Association

Saturday, October 15th | NCI Shady Grove, 9609 Medical Center Drive, Rockville, MD

7:30 AM Continental Breakfast

8:30 – 9:00 AM Genetic Counseling
Session Chair: Megan Frone
8:30-9:00 a.m.: Kristin Zelley
Title: Testing Children for LFS: What Is Best?

9:00- 10:00 AM Life with LFS
Session Chair: Allison Werner-Lin

9:00-9:10 a.m. Kelsey Breen
Title: Design and implementation of a support group program for individuals and families with Li-Fraumeni Syndrome

9:10-9:20 a.m. Alison Werner-Lin
Title: How do young people with Li-Fraumeni Syndrome understand and experience cancer survivorship? “It’s just an intermission”
9:20-9:30 a.m. Catherine Wilsnack
Title: Coping with complex health care needs: Addressing barriers for adolescents and young adults with Li-Fraumeni Syndrome (LFS)

9:30-9:40 a.m. Camella Rising
Title: Family communication experiences and challenges of adolescents and young adults with LFS: Implications for psychosocial care and future research

9:40-9:50 a.m. Rowan Forbes Shepherd
Title: Mental health outcomes for adolescents and young adult with Li-Fraumeni syndrome

10:00 AM Break

10:10 – 11:10 PM Emerging Research in LFS – Poster Session

11:15 – 12:15 PM Updates on TP53 Biology
Session Chair: Kanaga Sabapathy

11:15-11:30 a.m. Ran Kafri
Title: Phenotypic assays on patient skin fibroblasts expose systemic factors that promote or negate tumor onset.

11:35-11:50 a.m. Klas Wiman
Title: Targeting missense and nonsense mutant TP53 in cancer

11:55-12:10 p.m. Kanaga Sabapathy
Title: A molecular cancer prevention strategy for Li-Fraumeni syndrome patients

12:15 PM Lunch

12:45 – 1:30 PM Breakout session III
In person sessions:
1) Navigating a New LFS Diagnosis
2) Supporting a balanced relationship with food, movement, and body image
3) Managing grief and loss
4) Adolescence and young adulthood with LFS

Virtual sessions:
1) Understanding Health Insurance Terminology and Coverage Options for the Management of LFS
2) Navigating a New LFS Diagnosis
3) Talking with children about LF
4) Managing grief and loss

1:35 - 2:20 PM Breakout session IV
In person sessions:
1) The LFS Spectrum: Different Presentations of TP53 Variants and Mosaic LFS
2) Whether and When to Test Children for LFS
3) Talking with children about LFS
4) Coping and caring: mental health and LFS
Virtual sessions:
   i) The LFS Spectrum: Different Presentations of TP53 Variants and Mosaic LFS
   ii) Whether and When to Test Children for LFS
   iii) Supporting a balanced relationship with food, movement, and body image
   iv) Coping and caring: mental health and LFS
   v) Adolescence and young adulthood with LFS

2:25 – 3:45 PM  p53 Predictive Models

Session Chair: Pierre Hainaut

2:25-2:40 p.m.  Pierre Hainaut
   Title: TBD

2:45-3:00 p.m.  Carol Prives
   Title: LFS-derived dimer-forming mutant p53 demonstrates neomorphic gain-of-function activity and unique sensitivity to select cancer therapeutic drugs

3:05-3:20 p.m.  Nicholas Fischer
   Title: TP53 Mutational Clusters Stratify Phenotypic Heterogeneity in the Li-Fraumeni Syndrome Spectrum and Reveal an Osteosarcoma-Prone Subgroup

3:25-3:40 p.m.  Wenyi Wang
   Title: Cancer risk modeling for deleterious mutations in TP53 using a multi-center consortium

3:45 PM      Break

4:00 - 6:00 PM  Multi-institutional Collaborations

Speaker Chair: Maria Isabel Achatz

4:00-4:10 p.m.  Judy Garber
   Title: TBD

4:15-4:35 p.m.  Anita Villani & Lindsay Morton
   Title: Risk of therapy-related subsequent cancers in individuals with germline TP53 variants

4:45-5:00 p.m.  Renata Sandoval
   Title: Breast cancer in Li-Fraumeni syndrome: what we know and what we are willing to know

5:05-5:20 p.m.  Kara Maxwell
   Title: Mechanisms of Tumor Development in Li-Fraumeni Syndrome Breast Cancer

5:25-5:45 p.m.  Payal Khincha and Sarah Blagden
   Title: Metformin in Li-Fraumeni Syndrome (MILI) and a translational substudy TransMILI

End the day by 6:00 pm
Sunday, October 16th | Pooks Hill Marriott, Bethesda, MD

7:30 AM  Breakfast Buffet

8:30 – 8:40 AM  Direction and Vision of LFSA: Dr. Robert Lufkin

8:45 – 9:30 AM  Panel Discussion

9:35 – 9:50 AM  Guest Speakers

9:35-9:45 a.m.  Goli Samimi  
Title: Traceback: Identification and Genetic Counseling and Testing of Mutation Carriers through Family-based Outreach

9:50-10:00 AM  Larry Ingrassia  
Title: TBD

10:05-11:05 AM  Targeted Therapy

Session Chair: Kelvin de Andrade

10:05- 10:20 a.m.  Ecaterina Ileana Dumbrava  
Title: TBD

10:25-10:40 a.m.  Galina Selivanova  
Title: Pharmacological activation of p53 triggers viral mimicry response thereby abolishing tumor immune evasion and promoting anti-tumor immunity

10:45-11:00 a.m.  Tomer Cooks  
Title: Mutant p53 governs tumor microenvironment dynamics via extracellular vesicles: potential implications for Li-Fraumeni Syndrome patients?

11:05 AM  Break

11:25 – 12:05 PM  A.I & LFS

Session Chair: David Malkin

11:25-11:40 a.m.  Stephen Friend  
Title: Pilot Study of LFS families using smartphones and wearables to determine feasibility of a large study to understand whether how we live our lives shift the occurrence of tumors

11:45-12:00 pm  Junne Kamihara  
Title: Promoting the understanding of cancer risk and screening for adolescents and young adults with cancer predisposition

12:10 – 12:50 PM  What’s New in p53-directed research

Session Chair: Trevor Pugh

12:10-12:25 p.m.  Joshua Schiffman  
Title: Elephants, Evolutionary Medicine, and Li-Fraumeni Syndrome

12:30-12:45 p.m.  John Karanicolas  
Title: Refolding mutant p53 as a cancer prevention strategy in Li-Fraumeni Syndrome
12:50 PM

SYMPOSIUM WRAP-UP: Sean Downing, LFSA Scientific Advisory Board

Boxed lunches will be available