



**THE LAM FOUNDATION**  
**2009 INTERNATIONAL RESEARCH CONFERENCE**  
**TENTATIVE SCIENTIFIC SCHEDULE**  
CONFERENCE CHAIR, FRANCIS X. MCCORMACK, MD  
BASIC SCIENCE CHAIR, GREG DOWNEY, MD, FRCP  
CLINICAL SCIENCE CHAIR, KUNIAKI SEYAMA, MD, PHD

**FRIDAY MORNING, APRIL 17<sup>TH</sup> – 7:30AM–12:00PM**

**TAFT–LEVEL III**

**SESSION I: CLINICAL TRIALS/METASTASIS**

**Session Chair: Greg Downey, MD**

- 7:30 – 8:00 CONTINENTAL BREAKFAST/POSTER VIEWING
- 8:00 – 8:05 Frank McCormack, MD: Welcome
- 8:05 – 8:10 Comments and Patient Intro by Session Chair
- 8:10 – 8:15 Comments by LAM patient
- 8:15 – 8:40 Jeffery Krischer, PhD: "Conducting clinical trials in rare diseases"
- 8:40 – 9:05 Takashi Sugino, MD: "Invasion-independent pathway of cancer metastasis: possible implications for the mechanism of LAM cell dissemination"
- 9:05 – 9:30 Joel Moss, MD, PhD: "Effect of prolactin on tuberlin-deficient cells"
- 9:30 – 9:55 Jason Hornick, MD, PhD: "Pathology of the PEComa family of tumors"
- 9:55 – 10:20 BREAK/POSTER VIEWING **PRESIDENTIAL III–LEVEL III**
- 10:20– 10:45 Vera Krymskaya, PhD: "Therapeutic targeting PI3K-mTORC1 signaling pathway in pulmonary LAM"
- 10:45– 11:00 Brent Kinder, MD: "Predictors, barriers and motivating factors for clinical trial participation"
- 11:00 – 11:15 Darcy Krueger, MD, PhD: "Analysis of RAD001 dosing used to treat SEGA in patients with TSC"
- 11:15 – 11:30 Arthai Vermana, MD: "High expression endothelin receptor variants associate with lymphangioliomyomatosis (LAM)"
- 11:30 – 11:45 Seong Woo Anthony Kang, PhD: "Structural analysis of mTORC1 and its inhibition by rapamycin"
- 11:45 – 12:00 Caroline Le Poole, PhD: "Melanoma associated antigens as T cell targets in LAM"
- 12:00– 1:00 BOX LUNCH/POSTER VIEWING **PRESIDENTIAL III–LEVEL III**

**FRIDAY AFTERNOON, APRIL 17<sup>TH</sup> – 1:00PM–6:00PM**

**TAFT–LEVEL III**

**SESSION II: ESTROGEN**

**Session Chair: Geraldine Finlay, MD**

- 1:00 – 1:05 Comments and Patient Intro by Session Chair
- 1:05 – 1:10 Comments by LAM patient
- 1:10 – 1:25 Jane Yu, PhD: "Estrogen and MEK-dependent pulmonary metastasis of tuberlin-deficient cells—a metastatic mouse model of lymphangioliomyomatosis"
- 1:25 – 1:40 Magdalena Karbowiczek, PhD: "Neural crest origin and notch-dependent cell-fate decision in tuberous sclerosis complex"
- 1:40 – 2:05 Margaret Shupnik, PhD: "Estrogen receptor signaling - receptor subtypes, cellular locations, and signaling networks"
- 2:05 – 2:30 Joyce Slingerland, MD, PhD: "Cell cycle regulation by TORC1 and 2, SKG and Akt: an AGC kinase affair"
- 2:30 – 2:55 Donald McDonald, MD, PhD: "Buttons and zippers – functionally specialized junctions at sites of fluid and cell entry into lymphatic vessels"
- 2:55 – 3:10 BREAK/POSTER VIEWING **PRESIDENTIAL III–LEVEL III**
- 3:10 – 3:35 Elizabeth Henske, MD: "LAM pathogenesis: Role of rapamycin-insensitive signaling pathways"
- 3:35 – 4:00 Cheryl Walker, PhD: "p27 and cell cycle control in LAM"
- 4:00 – 6:00 POSTER DISCUSSION/WINE & CHEESE: **PRESIDENTIAL III–LEVEL III**  
Drs. George Thomas and Ray Yeung

**FRIDAY AWARDS BANQUET / DESSERT SOCIAL – 6:30PM–9:00PM****PRESIDENTIAL BALLROOM**

Tish Davey, Interim Director

6:30 – 6:35 Welcome

6:35 – 7:30 Dinner

7:30 – 8:00 Keynote Speaker

Tiffany Christensen, Author of *Sick Girl Speaks*

8:00 – 8:30 Award Presentations

Sue Byrnes, Research Programs/Frank McCormack, MD, Scientific Director

8:30 – 9:00 DESSERT SOCIAL FOR ALL ATTENDEES

**GIBSON FOYER–LEVEL III****SATURDAY MORNING, APRIL 18<sup>TH</sup> – 7:30AM–12:00PM****TAFT–LEVEL III****SESSION III: LYMPHATIC BIOLOGY****Session Chair: Kuniaki Seyama, MD, PhD**

7:30 – 8:00 CONTINENTAL BREAKFAST

8:00 – 8:05 Comments and Patient Intro by Session Chair

8:05 – 8:10 Comments by LAM patient

8:10 – 8:35 Stanley Rockson, MD: "Lymphangiomas in health and disease"

8:35 – 9:00 Eva Sevcik-Muracca, PhD: "Imaging lymphatic function and dysfunction in humans"

9:00 – 9:25 Miikka Vakkula, MD, PhD: "Molecular pathophysiology of lymphatic &amp; vascular anomalies"

9:25 – 9:50 David Lynch, MD: "CT Imaging of LAM: Diagnosis, differential diagnosis, and quantification"

9:50 – 10:10 BREAK

10:10 – 10:35 Thomas Glover, PhD: "Lymphedema distichiasis (LD) syndrome and the hereditary lymphedemas"

10:35 – 11:00 Takuo Hayashi, MD: "Female reproductive system as a target of lymphatic spread of LAM"

11:00 – 11:15 Carol Heckman, PhD: "Lymphangiogenic potential of cells isolated from chylous pleural effusions of LAM patients"

11:15 – 11:30 Yoshikazu Inoue, MD, PhD/Lisa Young, MD: "VEGF-D and other biomarkers in LAM: Data from North America and Japan"

11:30 – 11:45 Rishi Kulkarni: "NFATc1 regulates lymphatic endothelial development"

11:45 – 12:00 Aristotelis Astrinidis, PhD: "Inhibition of polo-like kinase 1 (PLK1) decreases the survival of TSC1 and TSC2 cells"

12:00 – 1:00 LUNCH

**FOUNTAIN ROOM–LEVEL II****SATURDAY AFTERNOON, APRIL 18<sup>TH</sup> – 1:00PM–4:40PM****TAFT–LEVEL III****SESSION IV: CELL BIOLOGY****Session Chair: Vera Krymskaya, PhD**

1:00 – 1:05 Comments and Patient Intro by Session Chair

1:05 – 1:10 Comments by LAM patient

1:10 – 1:35 Stephen Hammes, MD, PhD: "Steroid production and signaling in women: Everything in moderation"

1:35 – 2:00 Hal Chapman, MD: "Role of epithelial mesenchymal transition in lung matrix remodeling"

2:00 – 2:25 Ken Inoki, PhD, MD: "Role of TSC-mTORC1 pathway for podocyte injury in the development of diabetic nephropathy"

2:25 – 2:50 Thomas Darling, MD, PhD: "Tumor microenvironment in tuberous sclerosis complex"

2:50 – 3:10 BREAK

3:10 – 3:35 Stephen Michnick, PhD: "The dark matter of signaling networks"

3:35 – 4:00 David Kwiatkowski, MD, PhD: "Atorvastatin therapy in Tsc mouse models; MMPs in a LAM cell line; and a novel hypomorphic allele of Tsc2"

4:00 – 4:25 Ray Yeung, MD: "Wnt signaling, cytoskeleton, anoikis and LAM: What's in common?"

4:25 – 4:40 Patrick Geraghty, PhD: "Tsc2<sup>+/−</sup> mice develop tumors in multiple sites due to misexpression of developmental genes Hmga2 and Imp2"4:40 – 4:55 Pawan Gulati: "Amino acid-induced mTOR complex1 signaling is regulated by Ca<sup>2+</sup>/Calmodulin through hVps34"**SATURDAY EVENING – BREATH OF HOPE GALA – 6:30PM–12:00AM****PRESIDENTIAL BALLROOM–LEVEL III****Gala Coordinator: Laureen McCorkle**

6:30 – 12:00 Dinner/Auction/Program/Dancing

**SUNDAY MORNING, APRIL 19<sup>TH</sup> – 8:30AM–11:00AM****PRESIDENTIAL III–LEVEL III**

8:30 – 11:00 Roundtable Discussions