



2018 LUNG CANCER SPORE WORKSHOP JUNE 20-21, 2018

WORKSHOP AGENDA

2018 Lung Cancer SPORE Workshop Co-Chairs

David Gerber, M.D.
Associate Professor
UT Southwestern Medical Center
Internal Medicine/Hematology Oncology

Kathryn O'Donnell, Ph.D.
Assistant Professor
UT Southwestern Medical Center
Molecular Biology
Simmons Comprehensive Cancer Center
Hamon Center for Regenerative Science and Medicine

Don Gibbons, M.D., Ph.D.
Associate Professor
MD Anderson Cancer Center
Thoracic Head and Neck Medical Oncology

Elda Railey
Patient Advocate
UT Southwestern Lung Cancer SPORE
Co-Founder
Research Advocacy Network

**The 2018 Lung Cancer SPORE Workshop
was made possible by financial support
provided by the following:**

Genentech – Platinum Partner

AstraZeneca – Gold Partner

**International Association for the Study of
Lung Cancer (IASLC) – Bronze + Partner**

Lilly USA – Bronze Partner

THANK YOU TO OUR SPONSORS!

GENERAL INFORMATION

Physical address for workshop location:

UT Southwestern Medical Center
Pickens Medical Education & Conference Center
6001 Forest Park Rd.
Dallas, TX 75235

Parking at workshop location:

Parking is available at the workshop location in the Visitor's Garage for \$3.00 per day.

Physical address and phone # for Aloft Hotel:

2333 Mockingbird Ln.
Dallas, Texas 75235
214-358-7575

Phone # for Aloft Hotel Shuttle Service:

The Aloft Hotel provides free shuttle service to/from Dallas Love Field Airport and UT Southwestern 214-358-7575, option 1, then option 0.

Workshop Shuttle Service:

UT Southwestern has contracted a shuttle service to run to/from Aloft Hotel and the Pickens Medical Education & Conference Center for approximately 1 ½ hours at the beginning and end of each workshop day. The exact shuttle service times are listed within the agenda.

Luggage Storage:

If you are leaving directly from UT Southwestern to the airport, please see one of the administrators working the workshop registration desk to store your luggage.

Taxi/Cab Service:

Cowboy Cab – 214-428-0202
Dallas Yellow Cab – 972-369-3334
Henry's Cab Service – 214-234-6666
On Time Taxi – 214-434-4356

Non-Smoking Facility:

UT Southwestern is a non-smoking environment, both indoors and outdoors.

Auditorium Restrictions:

Only bottled water is allowed inside the Pickens Auditorium. Other drinks and food are not allowed.

Need Additional Information or Assistance?

Call 214-648-4900

NORTH CAMPUS

- Bass Center Food Court (BL)
- Bass Center Post Office (BL-level D)
- Bass Center Tower 1 (BP)
- Bass Center Tower 2 (BL)
- Bass Center Tower 3 (BK)
- C. Kern Wildenthal Research Building (NL)
- Clements Imaging Building (NE)
- Hamon Biomedical Research Building (NA)
- Moncrief Radiation Oncology Building (NF)
- Pickens Biomedical Building (ND)
- Pickens Medical Education & Conference Center; Commons Food Court (NG)
- Police Station (BL)
- Prothro Plaza & Gardens (NH)
- Seay Biomedical Building (NC)
- Simmons Biomedical Research Building (NB)
- Simmons Comprehensive Cancer Center Clinics (NC)
- University Store (NG)
- UTD Center for Brain Health (UTD)

EAST CAMPUS

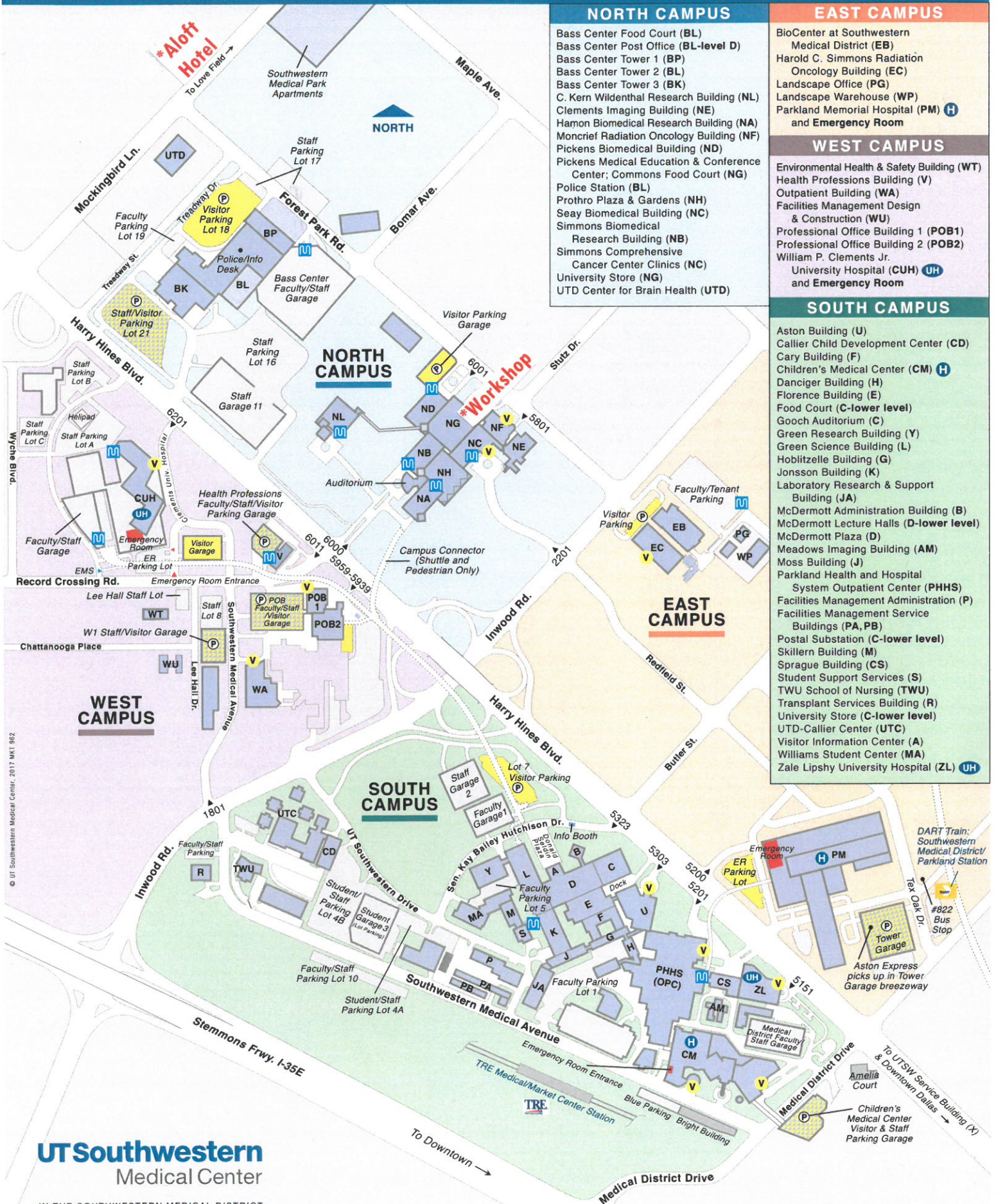
- BioCenter at Southwestern Medical District (EB)
- Harold C. Simmons Radiation Oncology Building (EC)
- Landscape Office (PG)
- Landscape Warehouse (WP)
- Parkland Memorial Hospital (PM) **H** and **Emergency Room**

WEST CAMPUS

- Environmental Health & Safety Building (WT)
- Health Professions Building (V)
- Outpatient Building (WA)
- Facilities Management Design & Construction (WU)
- Professional Office Building 1 (POB1)
- Professional Office Building 2 (POB2)
- William P. Clements Jr. University Hospital (CUH) **UH** and **Emergency Room**

SOUTH CAMPUS

- Aston Building (U)
- Callier Child Development Center (CD)
- Cary Building (F)
- Children's Medical Center (CM) **H**
- Danciger Building (H)
- Florence Building (E)
- Food Court (C-lower level)
- Gooch Auditorium (C)
- Green Research Building (Y)
- Green Science Building (L)
- Hoblitzelle Building (G)
- Jonsson Building (K)
- Laboratory Research & Support Building (JA)
- McDermott Administration Building (B)
- McDermott Lecture Halls (D-lower level)
- McDermott Plaza (D)
- Meadows Imaging Building (AM)
- Moss Building (J)
- Parkland Health and Hospital System Outpatient Center (PHHS)
- Facilities Management Administration (P)
- Facilities Management Service Buildings (PA, PB)
- Postal Substation (C-lower level)
- Skilern Building (M)
- Sprague Building (CS)
- Student Support Services (S)
- TWU School of Nursing (TWU)
- Transplant Services Building (R)
- University Store (C-lower level)
- UTD-Callier Center (UTC)
- Visitor Information Center (A)
- Williams Student Center (MA)
- Zale Lipshy University Hospital (ZL) **UH**



UT Southwestern
Medical Center

IN THE SOUTHWESTERN MEDICAL DISTRICT

July 2017

- P** Visitor Parking Only
- V** Valet Parking
- M** Bike Rack
- P** Designated Staff & Visitor Parking
- H** Hospital
- UH** University Hospital

Day 1 - Wednesday, June 20, 2018

- 7:45 am – 9:00 am** **Shuttle service from Aloft Hotel to UT Southwestern**
 Pickens Medical Education & Conference Center
 6001 Forest Park Rd., Dallas, TX 75235
- 8:00 am – 8:45 am** **Breakfast Buffet**
 Pickens Medical Education & Conference Center
 Seating is available in NG3.202 as well as the cafeteria
 Food is not allowed inside the auditorium
- 8:45 am** **Opening Remarks**
 John D. Minna, M.D. and Peter Ujhazy, M.D., Ph.D.
- 8:55 am** **Introduction of Keynote Speaker**
 Paul Bunn, Jr., M.D.
- 9:00 am** **Beyond Broad-Based Genomic Profiling in NSCLC: What’s “Next”?**
 Vince A. Miller, M.D.
- 10:00 am – 10:15 am** **Break**
- 10:15 am – 11:30 am** **Session One: Genomics**
 Moderator: Robert Doebele, M.D.

Comprehensive T cell repertoire characterization of non-small cell lung cancer	Alexandre Reuben University of Texas MD Anderson Cancer Center
Genome engineering approaches to generate models of chromosome arm-level aneuploidy in lung cancer	Alison Taylor DFCI/Broad
Tracing the Innate Genetic Evolution and Spatial Heterogeneity in Treatment Naïve Lung Cancer Lesions	Jihye Kim University of Colorado Anschutz Medical Campus
Genomic underpinnings of tumor behavior in early lung adenocarcinoma	Jun Qian Vanderbilt University Medical Center
Thirty Biologically Interpretable Clusters of Transcription Factors Determine Cancer Type	Kevin Coombes The Ohio State University
Using DNA Mutation and RNA Expression to Match Lung Cancer Cell Line and Patient-Derived Xenograft (PDX) Models with NSCLC and SCLC Tumor Specimens	Luc Girard University of Texas Southwestern Medical Center

11:30 am- 12:10 pm

Session Two: Molecular Targets

Moderator: Christine Lovly, M.D., Ph.D.

The role of AXL in ROS1 and RET gene fusion driven lung cancers

Anastasios Dimou
University of Colorado, Anschutz Medical Campus

Evidence for a TKI-induced inflammatory response during oncogene-targeted therapy in EGFR and EML4-A

Lynn Heasley
University of Colorado, Anschutz Medical Campus

Targeting Notch3-dependent β -catenin signaling overcomes EGFR TKI mediated drug persistence in NSCLC

Rajeswara Rao
The Ohio State University Medical Center

12:10 pm – 1:10pm

Lunch Buffet

Pickens Medical Education & Conference Center

Seating is available in NG3.202 as well as the cafeteria

Food is not allowed inside the auditorium

1:10 pm – 2:00 pm

Session Three: Response/Resistance

Moderator: Katerina Politi, Ph.D.

Chromatin Modifiers as Mediators of Drug Resistance in Lung Cancer

Fernando de Miguel
Yale Cancer Center, Yale School of Medicine

Mechanisms of acquired resistance to first-line osimertinib in mouse models of EGFR mutant NSCLC

Jacqueline Starrett
Yale University School of Medicine

The derivation of unique patient-derived lung cancer cell lines for drug resistance studies and therapeutic development.

Robert Doebele
University of Colorado

Defining Mechanisms of Resistance to ALK Inhibitor Therapy

Vincent Huang
Vanderbilt University

2:00 pm – 3:15 pm

Session Four: Immunotherapy I

Moderator: David Carbone, M.D., Ph.D.

In situ vaccination with autologous CCL21 gene-modified dendritic cells for NSCLC

Steven Dubinett
University of California at Los Angeles

STK11/LKB1 Mutations and PD-1 Inhibitor Resistance in KRAS-Mutant Lung Adenocarcinoma

Ferdinandos Skoulidis
University of Texas MD Anderson Cancer Center

Session Four: Immunotherapy I Cont.

Immunofluorescence Profiling of Lung Cancer
Tumor and Stroma Environment

Boris Sepeski
University of Texas MD Anderson
Cancer Center

Factor XIIIa-Expressing Inflammatory
Monocytes Promote Lung Squamous
Cancer through Fibrin Cross-Linking

Chad Pecot
University of North Carolina

Tuning tumor microenvironment with CD38
blockade to enhance lung cancer immunotherapy

Limo Chen
University of Texas MD Anderson
Cancer Center

Radiomic predictors of rapid disease
progression among NSCLC patients treated
with immunotherapy

Matthew Schabath
H. Lee Moffitt Cancer Center and Research
Institute

3:15 pm – 3:30 pm

Break

3:30 pm – 4:30 pm

Session Five: Metabolism

Moderator: Pierre Massion, M.D.

LKB1 and KEAP1/NRF2 pathways cooperatively
promote glutamine dependence

Ana Galan-Cobo
University of Texas MD Anderson
Cancer Center

TMPRSS11B promotes lung cancer growth
by enhancing lactate export and glycolytic
metabolism.

Barrett Updegraff
University of Texas Southwestern
Medical Center

Evaluating metabolic preferences in human
lung cancer

Brandon Faubert
University of Texas Southwestern
Medical Center

Inhibition of Glutamine Metabolism
Increases Radiation Sensitivity in an
In Vitro Model of NSCLC

Christien Kluwe
Vanderbilt University
Medical Center

STK11 pathway disruption alters
metabolism and immune surveillance
in lung adenocarcinoma

Nick Gimbrone
Moffitt Cancer Center

4:30 pm – 6:00 pm

Shuttle service from UT Southwestern to Aloft Hotel

2333 Mockingbird Ln., Dallas, TX 75235

6:30 pm

Reception

Aloft Hotel – Foyer West Love Ballroom

7:00 pm

Dinner Buffet

Aloft Hotel – West Love Ballroom

7:55 pm

Introduction of Keynote Speaker

John Heymach, M.D.

8:00 pm

Affording Progress in Lung Cancer

Natasha B. Leighl, M.D.

Day 2 - Thursday, June 21, 2018

- 7:45 am – 9:00 am** **Shuttle service from Aloft Hotel to UT Southwestern**
 Pickens Medical Education & Conference Center
 6001 Forest Park Rd., Dallas, TX 75235
- 8:00 am – 8:45 am** **Breakfast Buffet**
 Pickens Medical Education & Conference Center
 Seating is available NG3.202 as well as the open cafeteria
 Food is not allowed inside the auditorium
- 8:45 am** **Introduction of Keynote Speaker**
 Jack Roth, M.D.
- 8:50 am** **Contemporary Approaches to Nodule and Lung Cancer Classification**
 Denise “Deni” R. Aberle, M.D.
- 9:50 am – 10:05 am** **Break**
- 10:05 am – 10:45 am** **Session Six: Early Detection**
 Moderator: Steven Dubinett, M.D.

lloprost improves airway premalignant dysplasia by rescuing basal progenitor cell malfunction	Moumita Ghosh National Jewish Health
Genomic characterization of premalignant lung squamous cell carcinoma lesions	Joshua Campbell Boston University School of Medicine
Elucidating genomic evolution in the progression from lung preneoplasia to adenocarcinoma through multi-regional sequence	Jianjun Zhang University of Texas MD Anderson Cancer Center

- 10:45 pm – 12:15 pm** **Session Seven: Patient Advocacy**
 Moderators: David Gerber, M.D. and Elda Railey

QTc interval-prolonging medications: implications for lung cancer clinical trial eligibility	David Gerber University of Texas Southwestern Medical Center
Oncogene-Driven Patient Groups: A New Era for Research Partnerships	Janet Freeman-Daily University of Colorado
Discussion: Capitalizing on the Success of the Metastatic Breast Cancer Project	Christine Lovly Vanderbilt University

Session Seven: Patient Advocacy Cont.

Patient Advocate Panel Discussion

Deb Violette, Janet Freeman-Daily,
Kim Norris, Merel (Mountain) Nissenberg,
Judy Johnson, Marcia Horn

12:15 pm – 1:15pm

Lunch Buffet

Pickens Medical Education & Conference Center
Seating is available in NG3.202 as well as the cafeteria
Food is not allowed inside the auditorium

1:15 pm – 1:55 pm

Session Eight: Small Cell

Moderator: Lauren Byers, M.D.

Single-cell profiling of small cell lung cancer circulating tumor cell-derived xenograft models reveals intratumoral heterogeneity among mediators of chemoresistance

C. Allison Stewart
University of Texas MD Anderson
Cancer Center

Inosine monophosphate dehydrogenase dependence in a subset of small cell lung cancers

Fang Huang
University of Texas Southwestern
Medical Center

Evaluating transcription factor networks as targets for the treatment of small cell lung cancer

Karine Pozo
University of Texas Southwestern
Medical Center

1:55 pm – 2:35 pm

Session Nine: Metastasis

Moderator: Don Gibbons, M.D.

Single cell sequencing of tumor stromal fibroblasts coupled with 3D model to study EMT-driven interactions between cancer associated fibroblasts and lung adenocarcinoma cells that drive early metastasis

Maria Neus Bota-Rabassedas
University of Texas MD Anderson
Cancer Center

Epigenetic alterations by chronic inflammation dictates sustained EMT phenotypes in NSCLC

Rui Li
University of California at Los Angeles

In Vivo Functional Screening Identifies Novel Drivers of Metastasis in Lung Cancer

Samrat Kundu
University of Texas MD Anderson
Cancer Center

2:35 pm – 2:50 pm

Break

2:50 pm – 4:05 pm

Session Ten: Immunotherapy II

Moderator: Roy Herbst, M.D., Ph.D.

Response of Lung Cancer Cells to IFN γ Changes the TME and Alters Response to anti-PD-1

Raphael Nemenoff
University of Colorado

Investigating anti-tumor T cells in genetically engineered mouse models of lung adenocarcinoma

Nikhil Joshi
Yale School of Medicine

Future Immunotherapy for Lung Cancer

Lipeng Chen
Yale School of Medicine

Immune dysregulation in cancer patients developing immune-related adverse events

Shaheen Khan
University of Texas Southwestern
Medical Center

A CRISPR/Cas9 screen reveals new mechanisms of PD-L1 regulation by a stress response pathway in NSCLC

Shruthy Suresh
University of Texas Southwestern
Medical Center

Superior efficacy of neoadjuvant compared to adjuvant immunotherapy in non-small cell lung cancer is associated with increased antitumor immunity and a polyclonal TCR repertoire

Tina Cascone
University of Texas MD Anderson
Cancer Center

4:05 pm – 5:30 pm

Shuttle service from UT Southwestern to Aloft Hotel

2333 Mockingbird Ln., Dallas, TX 75235