From Mouse to Medicine:
RCC Model Systems for Discovery and Translation

UT Southwestern Medical Center, Dallas, TX

Thursday, September 11th, 2025
2:00pm - 5:30pm

The Mouse Kidney Cancer Atlas: From Genes to the Clinic
  Marston Linehan* (National Cancer Institute)
  Ari Hakimi (Memorial Sloan Kettering Cancer Center)
  Tao Yue (UT Southwestern Medical Center)

Tailored Tumors: Precision-Engineered Kidney Cancer Models
  William Kaelin* (Dana-Farber Cancer Institute)
  Mahul Amin (LabCorp)
  Payal Kapur (UT Southwestern Medical Center)
  James Brugarolas (UT Southwestern Medical Center)
  Roberto Pili (University of Buffalo)

Friday, September 12th, 2025
7:30am - 6:30pm

Foundations in Fur: Genetically Engineered Mice as RCC Pioneers
  Bingqing Xie (UT Southwestern Medical Center)
  Ari Hakimi (Memorial Sloan Kettering Cancer Center)
  Lorraine Gudas (Weill Cornell)
  Sakari Vanharanta (University of Helsinki)
  Tom Carroll (UT Southwestern Medical Center)

Shades Beyond Clear: GEM Models of Rare Renal Cell Carcinomas
  Andrea Ballabio* (Telethon)
  Gopinath Prakasam (UT Southwestern Medical Center)
  Tamara Lotan (Johns Hopkins)
  Gabriel Malouf (University of Strasbourg)
  Laura Schmidt (National Cancer Institute)
  Eyal Gottlieb (MD Anderson Cancer Center)
  Lisa Henske (Brigham & Women's Hospital)
  Alessandra Boletta (Ospedale San Raffaele)

* Keynote Speaker

Code to Cancer: In Vivo CRISPR Engineering of Renal Tumors
    William Kaelin (Dana-Farber Cancer Institute)
    Giannicola Genovese (MD Anderson Cancer Center)
    Lynda Vuong (Memorial Sloan Kettering Cancer Center)
    Hui Jiang (Memorial Sloan Kettering Cancer Center)
    James Brugarolas (UT Southwestern Medical Center)

Patient Tumors, Mouse Hosts: PDX Models Driving RCC Translation
    Roy Elias/Vanina Toffessi Tchueyap (Johns Hopkins/UT Southwestern Medical Center)
    Niki Zacharias Millward (MD Anderson Cancer Center)
    Oriol Cassanovas (Catalan Institute of Oncology)

Live PDX Workshop

Bridging Species: Humanized Mouse Models for Kidney Cancer
    Richard Flavell* (Yale University)
    Mike Brehm (University of Massachusetts)
    David Hsu (Duke University)
    Keith Lawson (University Health Network)
    Hamid Rabb (Johns Hopkins)
    Tao Yue (UT Southwestern Medical Center)

Kidneys Cancer in a Dish: Organoid Models as Translational Testbeds
    Annika Fendler (Charite Berlin)
    Srinivas Malladi (UT Southwestern Medical Center)
    Samir Zaidi (Memorial Sloan Kettering Cancer Center/Yale University)
    Allison May (University of Virginia)

Reception, ND14 (6:30pm-8:30pm)

Saturday, September 13th, 2025
7:30am - 12:45pm

Breakout Sessions
Pixels and Pathology: Digital Frontiers in Kidney Cancer Modeling
    Mahul Amin / Yingbei Chen / Payal Kapur / Sabina Signoretti
Calibrating the Model: Benchmarking RCC Platforms for Clinical Relevance
    James Brugarolas / Roberto Pili
Blueprints for Success: Best Practices in RCC Model Development
    Ari Hakimi / Ram Srinivasan

* Keynote Speaker

From Discovery to Delivery: RCC Models Powering Therapies, Resistance Solutions, and Diagnostics

    Bruce Beutler*

    Noelle Williams

    Ralph DeBerardinis

    Javier Garcia Bermudez

    Scott Welford

    Chunling Yi

    Dan Siegwart

    Prateek Khanna

    Xiankai Sun

    Qing Zhang

* Keynote Speaker