**KEYNOTE SPEAKER**

Carl June, MD  
Dr. June is the Richard W. Vague Professor in Immunotherapy, attending physician, and Director of the Translational Research Program at the University of Pennsylvania Perelman School of Medicine. He is board-certified in internal medicine and medical oncology.  
Dr. June develops therapies that redirect the specificity of patient T cells toward cancer cells by genetic modification with chimeric antigen receptors (CAR). He has conducted clinical trials of adoptive CAR T cell therapy in patients with advanced, treatment-resistant leukemia. Many patients from these trials remain disease-free years after infusion. CAR T cell therapy was awarded breakthrough status by the FDA in 2014.

**ALUMNI SPEAKER**

Suzanne Thibodeaux, MD, PhD  
Currently a pathology resident at the Hospital of the University of Pennsylvania, Dr. Thibodeaux was one of the first graduates of the integrated UTHSCSA MD/PhD program in 2013. She conducted her dissertation research with Dr. Tyler Curiel on a novel immunotherapeutic drug combination in a mouse model of ovarian cancer.  
Dr. Thibodeaux was chief resident of clinical pathology in 2015 (during her second year of residency) and has ongoing projects analyzing samples from patients treated with immune therapy. After residency, she will pursue a transfusion medicine fellowship with a focus on cellular therapies (including CAR T cell therapy).

**POSTERS**

**Poster Session I**

Laura Caflisch - Lipid metabolism under hypoxic glioblastoma tumor environments  
Mariam Ishaque - Investigation of pediatric anoxic brain injury from nonfatal drowning using MRI  
Gabrielle Zuniga - Genome-wide RNAi screen for suppressors and enhancers of C. elegans RPN-10 phenotype  
Alex Kramer - Enhanced cardiac proteasome function in the naked mole-rat, the longest-lived rodent  
Katie Hinchere-Rodriguez - Regulation of neuronal nitric oxide synthase by insulin signaling in skeletal muscle  
Andy Banh - The effects of rosiglitazone and adiponectin on dopaminergic neuron activity in the ventral tegmental area  
Brian Iskra - Anthracycline induced endothelial cell dysfunction: a mitochondrial hypothesis  
Matthew King - The effect of statins on zebrafish tendon and ligament progenitors  
Jessica Zavadil - Improved therapeutics for hepatocellular carcinoma

**Poster Session II**

Jacob Boyd - Delayed treatment of traumatic brain injury with a purinergic ligand  
Cassandra Leonardo - Subcortical volumetric abnormalities in bipolar disorder  
Ryan Reyes - Combining immune checkpoint inhibitors with targeted therapies in EGFR mutant lung cancer  
Daniel Shropshire - The linker connecting the two kringle domains plays a key role in prothrombin activation  
Eric Baeuerle - Metabolic and visceral fat analysis of the Tmem127 knockout mouse  
Petra Jans - Mechanism of action of trichodermamid B and novel analogs with anti-tumor potential  
Eithan Kotkowski - Connectivity-based parcellation of the human hippocampus as a potential indicator for dementia-related diseases  
Karl Li - Identifying combat veterans with post-traumatic stress disorder using default mode connectivity  
Tiffani Houston - Gene-regulation consequences of arsenic-mediated glucocorticoid receptor disruption within urothelial cells

**7th Annual MD/PhD Student Retreat**

Saturday, March 5th, 2016  
Greehey Children’s Cancer Research Institute
**SCHEDULE**

7:30-8:00am  Registration and Breakfast

8:00-8:10am  Opening Remarks

8:10-8:50am  Student Oral Presentations
- 8:10-8:30am  Trevi Ramirez  (GS2)
- 8:30-8:50am  Jeff Cooney  (GS2)

8:50-9:40am  Poster Session I

9:40-10:00am  Justin Drerup  (GS3)

10:00-10:20am  Brett Ipson  (GS2)

9:40-10:20am  Student Oral Presentations
- 9:40-10:00am  Justin Drerup
- 10:00-10:20am  Brett Ipson

10:20-11:10am  Poster Session II

11:10-12:10pm  Keynote Address
- 11:40-11:50am  Dr. Carl June

12:10-1:10pm  Lunch

1:10-1:30pm  Student Oral Presentations
- 1:10-1:30pm  Kristen Rogers

1:30-1:50pm  Student Oral Presentations
- 1:30-1:50pm  Curtis Clark

1:50-2:10pm  Coffee Break

2:10-3:00pm  Breakout Sessions

3:00-3:30pm  Physician-Scientist Q&A Panel

3:30-4:10pm  Alumni Address
- 3:30-4:10pm  Dr. Suzanne Thibodeaux

4:10-4:30pm  Awards/Closing Remarks

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**ORAL PRESENTATIONS**

- **Trevi Ramirez**  (GS2)
  - Investigating doxorubicin-induced fibrosis

- **Jeff Cooney**  (GS2)
  - The cyclic AMP/phosphodiesterase 4 axis regulates proximal B cell receptor signaling and offers a new therapeutic strategy for B cell lymphomas

- **Justin Drerup**  (GS3)
  - Therapeutic manipulation of IL-2 receptor signaling in ovarian cancer

- **Brett Ipson**  (GS2)
  - Contribution of meta-tyrosine to the adverse effects of oxidative stress

- **Kristen Rogers**  (GS2)
  - Phenotypic analysis of immune status in HIV+ patients on virally-suppressive antiretroviral therapy

- **Curtis Clark**  (GS2)
  - Pathologic effects of tumor intrinsic B7-H1 signals in ovarian cancer and melanoma

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**BREAKOUT SESSIONS**

### Session I  (2:10-2:35pm)

- Advice for getting your paper published
- Tips for gaining acceptance to your first-choice residency

### Session II  (2:35-3:00pm)

- Dual session:
  - Achieving work/life balance
  - Advice for female physician-scientists
  - Returning to MS3 after graduate school: reintegration into medicine

Students and faculty at the 2014 MD/PhD retreat