

# SUTER SCIENCE SEMINARS 2018-19

## Targeted Therapies in Pediatric Neuro-Oncology: Lessons from the Past, Hope for the Future

**Trent Hummel, MD**

*Associate Professor of Pediatrics  
Cincinnati Children's Hospital Medical Center  
Cincinnati, Ohio*



**Saturday, October 13, 2018  
9 a.m. Science Center, room 106**

*Certain pediatric cancers such as leukemia have seen a marked increase in survival while others, such as progressive brain tumors, have remained difficult to treat. We are undergoing a palpable change in pediatric oncology where the genomic details of an individual's tumor are now playing a prominent role in the treatment of aggressive tumors. Additionally, attempting to harness a patient's immune system may also lead to positive outcomes. The presentation will discuss the concept of personalized medicine, specifically in pediatric neuro-oncology, the potential pitfalls of immune-therapy in pediatric brain tumors, as well as attempting to give general advice for those in the audience desiring to pursue academic medicine.*

Trent R. Hummel, MD, Associate Professor of Pediatrics at Cincinnati Children's Hospital Medical Center, received his BS from Eastern Mennonite University and his MD from the University of Cincinnati College of Medicine. He completed a pediatric residency at Children's Hospital Medical Center of Akron in and a subsequent pediatric hematology/oncology fellowship at Cincinnati Children's Hospital Medical Center. His clinical and academic interests focus on developing novel therapeutics for children with brain and spinal cord tumors, including very poor prognosis tumors such as high-grade gliomas and diffuse intrinsic pontine gliomas. He spends a portion of his summers as the medical director of Camp NJoyItAll, a camp for kids with cancer and blood disorders.



Suter Science Center  
1194 Park Rd.  
Harrisonburg VA 22802  
540-432-4400