



accctggtc  
accctggtc  
accctggtc  
accctggtc  
accctggtc  
cataacata  
ccattagat

MONTHLY SEMINARS PRESENTS:

# Getting the Most from Your Next Generation Sequencing

**Date:** Tuesday, April 18, 2017  
10:00 a.m. to 3:00 p.m.

**Location:** Scaife Conference Center, Room 1102

**Presenters:** **Dr. Sameer Agnihotri**  
Department of Neurological Surgery  
Children's Hospital of UPMC

Dr. Uma Chandran  
Department of Biomedical Informatics  
Genomics Analysis Core, University of Pittsburgh

Dr. Sameer Agnihotri

## **Next-generation Sequencing Studies: What You Need to Know for Success**

Antibody characterization, fragmentation optimization and specific immunoprecipitation are critical for successful ChIP-seq library preparation. I will share the best practices I have adopted in my own lab for targeted ChIP-seq, next-generation sequencing library construction and how these genome wide studies impact my work on brain tumors.

Dr. Uma Chandran

## **Bioinformatics Support for Genomics Data Analysis**

The Genomics Analysis Core (GAC) provides data analysis for genomics applications and develops High Performance Computing (HPC) infrastructure necessary to handle the complexity and size of genomics data. The GAC provides analysis support for technologies including IonTorrent, Illumina, Nanostring and applications such Whole Genome Seq, Whole and Targeted Exome Seq, RNA Seq and ChIP Seq. Examples of GAC data analysis efforts will be presented.