



Workshop: Tools and Applications for Next Gen Sequencing

2013 UT-ORNL-KBRIN Bioinformatics Summit
Paris Landing State Park
Buchanan, TN

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Ramin Homayouni, PhD

NOTE: All times in Central Daylight Time (CDT)

FRIDAY, March 22, 2013

Time	Title	Presenter
12:00-12:15pm	Welcome & Introductory Remarks	Ramin Homayouni, PhD <i>University of Memphis</i>
12:15-1:00pm	Bioinformatics Tools for Assembly and Annotation of de novo Genomes	C. Michael Dickens, PhD <i>University of Memphis</i>
1:00-1:15pm	BREAK	
1:15-1:40pm	Application of Next-generation Sequencing to Human Disease Studies: Variant Call and Annotations	Peilin Jia, PhD Zhongming Zhao, PhD <i>Vanderbilt University</i>
1:40-1:50pm	BREAK	
1:50-2:15pm	NGS Tool Tutorial I: MuTect: Detection of Somatic Mutations	Huy Vuong, PhD <i>Vanderbilt University</i>
2:15-2:35pm	NGS Tool Tutorial II: VirusFinder: Software to Detect Viruses and Their Integration Sites in Host Genomes Through Next Generation Sequencing Data	Qingguo Wang, PhD <i>Vanderbilt University</i>
2:35-2:45pm	BREAK	
2:45-3:00pm	The Rapid Evolution of the Ion Torrent Next Generation Sequencing Technology: Applications, Workflow, and Analysis Tools	Celeste Luketic <i>Life Technologies</i>