

## The Children's Foundation Research Institute's Biomedical Informatics Core: An Interdisciplinary Partnership Between UTHSC and Le Bonheur

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**Ebony Smith, MS**

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Children's Research Institute  
Le Bonheur Children's Hospital*



### Abstract:

*Leadership and personnel from the Biomedical Informatics Core at Le Bonheur will discuss the roles of each team member, the biomedical informatics work the team is engaged in, and the key informatics tools the team employs to accomplish their goals. The presentation will also highlight internship and employment opportunities available to current computer science and bioinformatics students and graduates.*

### The Biomedical Informatics Core Team:



**Eunice Huang, MD, MS, chief research biomedical informatics officer, Children's Foundation Research Institute**

Directs the design and functional capabilities available at BMIC and oversees protected health information (PHI) compliance for research. She develops new capabilities of BMIC to further support research work of the University of Tennessee Health Science Center pediatric community.



**Teeradache Viangteeravat, PhD, director, Biomedical Informatics Core, CFRI**

Directs the design, implementation and management of informatics services at CFRI and oversees security and compliance of systems. He also conducts research on innovative clinical informatics capabilities.



**Tamekia L. Jones, PhD, director, Biostatistics Core, CFRI**

Assists investigators with study design, sample size and power calculations and statistical analyses.



**Rahul Mudunuri, MS, bioinformatics research specialist, Biomedical Informatics Core, CFRI**

Develops and maintain clinical research information systems, software applications and databases (e.g., Pediatric Research Database), and assists with analysis of external data definitions, documentation and mapping processes. He also assists with data security requirements.



**Oluwaseun Ajayi, MS, bioinformatics technical assistant, Biomedical Informatics Core, CFRI**

Facilitates extraction of data from existing data sources (Cerner EMR) for research. She has expertise in data definitions and appropriate usage, especially as it pertains to our current EMR, Pediatric Research Database (PRD) and Research Electronic Data Capture (REDCap) database management system.



**Ebony Smith, bioinformatics research specialist, MS, CFRI**

Works closely with investigators, bioinformatics experts and biostatisticians to provide data to support grant applications, publications and clinical projects.

*Reception in Dunn Hall 336 - 1:30pm*