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OAK RIDGE  
National Laboratory

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LEADERSHIP  
COMPUTING FACILITY



Scaling Health Insights For Tomorrow

## SHIFT@ORNL

This Data Challenge is different!  
We are looking for out-of-the-box  
thinking and creative solutions that  
scale with data size and/or complexity.

**Ideal teams** will have  
diversity in backgrounds  
and technical knowledge.  
Bioinformaticians, clinicians,  
computer scientists,  
visualization experts etc.

**Ideal problems** will have  
diverse, publicly available  
and non-traditional data  
sources. Social, location  
based, apps, clinical, sensor  
etc.

**Ideal solutions** will have  
novel algorithms that are  
scalable with increase in  
data size and/or  
complexity, using cloud or  
HPC solutions, be made  
open-source

**Ideal outcomes** will  
have clinical significance in  
this year's themes:  
Minority Health and Health  
Disparities

**Industry and expert partnerships** are available for  
those wishing to try new technologies such as HPC, GPUs,  
clouds, graph analytics etc. See growing list on the website



### Scalability

Ability for the solution to scale  
with dataset size and/or complexity



### Health

Focus on issues of minority health  
and health disparities



### Insights

Novel algorithms and Technical  
Innovation.



### Creativity

Creative use of non-traditional,  
disparate data sources



### Outcomes

Clinical significance and health  
innovation

**Notice of Intent to Participate**

June 1, 2015

**Submission Deadline**

July 1, 2015

**Winner Notification**

July 20, 2015

**BSEC 2015 Conference**

August 25-27, 2015

**Have questions?** Contact [BSEC\\_SHIFT@ornl.gov](mailto:BSEC_SHIFT@ornl.gov)