UI RESEARCH COMPUTING AND DATA SCIENCE SYMPOSIUM

MAY 16
Bruce M. Pitman Center, Vandal Ballroom

8:15   **Registration:** Light breakfast options provided

9:00   **Welcome:** Daniel Ewart, VP UI ITS

9:15   **Keynote Speaker:** Josh Hartung, Founder of PolySync
Perspectives on the Use of Deep Learning in Autonomous Cars

10:15   **Break**

10:30   **Lightning Talk:** Dr. Larry Forney, UI Biological Sciences
Causes and consequences of spatial structure in the microbial world

10:40   **Lightning Talk:** Dr. Jason Kelley, UI Soil & Water Systems
Use of neural networks for data assimilation and analysis

10:50   **Lightning Talk:** Dr. Katherine Hegewisch, UI Geography
Visualizing Climate and Remote Sensing Datasets on the Web

11:00   **Lightning Talk:** Brian Jemes, UI ITS
Network Monitoring, Troubleshooting and Planning Tools for UI, IRON, and Internet 2

11:10   **IBEST Computational Resources Core (CRC) Key Speaker:** Dr. Benji Oswald
CRC: Your partner in high-performance computing

11:25   **Lunch:** Provided

12:30   **Lightning Talk:** Amanda Stahlke, BCB PHD Student
Innovation in conservation at the invasion front

12:40   **Lightning Talk:** Dr. Michael Overton, UI Politics & Philosophy
Public sector data literacy

12:50   **Lightning Talk:** Dr. Audrey Fu, UI Statistical Sciences
Imputation of single-cell gene expression with deep learning

1:00   **Lightning Talk:** Tanner Varrelman, BCB PHD Student
Forecasting Lassa Fever Epidemics

1:10   **Northwest Knowledge Network (NKN) Key Speaker:** Dr. Luke Sheneman
NKN: Enabling Science With an Interactive Data Observatory

1:25   **Lightning Talk:** Dr. Jason Karl, UI Forestry, Rangeland, and Fire Sciences
Remote sensing, times series, drone sensing

1:35   **Lightning Talk:** Dr. Ross Kunz, Idaho National Laboratory
Idaho National Laboratory and Data Analytics

1:45   **Lightning Talk:** Dr. Marek Borowiec, UI Entomology, Plant Pathology, and Nematology
Manipulation/trimming large sequence alignments/deep learning for automated species identification from images

1:55   **Lightning Talk:** Dr. James Alves-Foss, UI Computer Science
Security and Privacy in the world of Big Data

2:05   **IBEST Genomics Resources Core (GRC) Key Speaker:** Dr. Sam Hunter
GRC: Putting Genomics to Work for Idaho

2:20   **Poster Session and Reception**

4:00   **Closing Remarks:** Dr. Barrie Robison, IBEST Director

University of Idaho
Northwest Knowledge Network

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