

## Partly Cloudy 2018 Agenda October 24-25, 2018

### Morning

- 8:30 – 9:00 Bob Robbins, Scientist & Educator: Welcome & Opening Remarks  
9:00 – 9:30 Wyatt Gorman, HPC & ML Specialist Google: Slurm HPC in the Cloud  
9:30 – 10:00 Meaghan Kjelland, Software Engineer Kubernetes team, Google: GKE on-prem  
10:00 – 10:30 Jeff Bartley, AWS Cloud Storage Gateway: Opportunities and Limitations  
10:30 – 10:45 Break  
10:45 – 11:15 Paul Singh, Microsoft: MS Hybrid tech: Identity, Security, SQL hybrid and Azure Stack  
11:15 – 11:45 Hector Rodriguez, Worldwide Health/Microsoft: Security and Compliance  
11:45 – 12:15 Robert McDermott, Solutions Architect, Fred Hutch: Kubernetes & HPC Co-existence

### Afternoon

Break-out discussion groups with potential themes of:

- Public cloud vs. on-prem economics for research computing; does it make sense?
- Bridging the gap from traditional research computing to cloud-native [command-lines, filesystems, servers and schedulers vs. APIs, object storage, containers and orchestrators].
- Will it ever be possible for research computing to escape shackles of the POSIX filesystem?
- Sharing research computing in the cloud experience with others; learning from other's mistakes.
- Campus to cloud network connectivity and integration [performance and security].
- Is multi-cloud worth the extra overhead or should you just pick one cloud provider?
- Is seamless multi-cloud platform [single pane of glass] a reality?
- Is the public cloud compatible with grant funded research?
- Enabling self-service research computing with the cloud.
- Reproducible research with containers
- Cloud account, security and networking design scenarios and considerations
- Putting a POSIX face on object storage
- Leveraging the cloud for DR/BC
- Cross institutional collaboration in the cloud