

# S3 2019 Agenda

## Tuesday

---

### Welcome Reception

**Rhombus Guy's Brewery, Downtown Grand Forks**

116 S 3rd St, Grand Forks, ND 58201

6:00pm

*Join us for a casual meet-and-greet to say "hello" to your fellow Space Studies network.  
Food will be provided.*

## Wednesday

---

7:45am

**Arrival  
Clifford Hall Rm 210**

---

- 8:00 Capstone Presentation  
*Team 1 – E-ExTRA*
- 8:40 Capstone Presentation  
*Team 2 – The Europaphiles*
- 9:20 Capstone Presentation  
*Team 3 – Guardians of Europa*
- 

9:55am

**Break – 10 Minutes**

---

- 10:10 Capstone Presentation  
*Team 4 – The Phoenician Clippers*
- 10:50 Capstone Presentation  
*Team 5 – Space Force*
- 11:30 Capstone Presentation  
*Team 6 – Europa Life Search Advanced (ELSA)*
- 

12:05pm

**Lunch**

---

- 2:00 ILMAH Mission VII Crew Presentation
- 3:00 Radiation Effects on Plants in Long-Duration Space Flight\*  
*Scott Balcao*
- 3:15 Rover Localization and Analog Astronaut Detection Using Machine Vision  
*Bradley Hoffman*
- 3:30 Lipid Decontamination Procedures for Life Detection Missions  
*Denise Buckner*
- 

3:45

**Break – 15 minutes**

**4:00**

### **S3 Keynote Presentation**

**Dr. Mary Beth Wilhelm**

*Research Scientist, NASA Ames Research Center Astrobiology Division*

# Thursday

---

**9:30am**      **Meet in Clifford Hall Rm 210**  
*Assemble for Tours, Coffee and Light Refreshment*

---

**10:00am**      **Tours Begin**

---

	Group 1	Group 2
10:00	ILMAH Tour	Spacesuit Lab/Spaceflight Sim
10:45	Spacesuit Lab/Spaceflight Sim	ILMAH Tour

---

**12:00pm**      **Lunch**

---

1:00      Mountaineering: An Analog for Human Space Training\*  
*Scott Balcao*

1:15      Overview of Sleep Deprivation and its Relationship with Mental Performance  
*Joseph Clift*

1:30      Dinoflagellates (Bioluminescent Phytoplankton): A Study of Enzyme Kinetics in Microgravity  
*Laura Banken, James Stoffel*

1:45      Electrodynamic Dust Shield Performance on High-Convex Surface  
*Taren Wang*

2:00      Classification of a Chondritic Meteorite Found Near Colgate, North Dakota  
*Justin Germann*

2:15      Falcon Heavy and Space Launch System Program Management Comparison  
*Lisa Brake*

2:30      The Future of S3  
*Sean McCloat*

---

2:45      **Break – 15 minutes**

---

3:00      **Space Law Discussion**  
**Dr. Dodge**