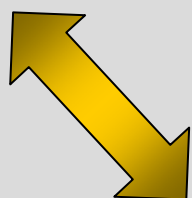




The Research Council of Norway



NORDIC RESEARCH OPPORTUNITY

# NSF Graduate Research Fellowship



Initiated in 1952 – oldest NSF program

>44,000 Graduate Fellows

Currently ca. 3,324 fellows, 2,542 on “tenure”  
(taking stipend and cost of education)

Fellows at 168 U.S. institutions and 22  
international institutions



NORDIC RESEARCH OPPORTUNITY

# Dear Colleague Letter: NSF Graduate Research Fellows Nordic Research Opportunity

For NSF Graduate Research Fellows (GRFs) to enable Fellows to gain international research experience and establish collaborations with counterparts at Norwegian, Finnish and Danish research institutions.

# Nordic Research Opportunity



Each accepted Graduate Research Fellow's proposed project fully met the criteria, emphasizing:

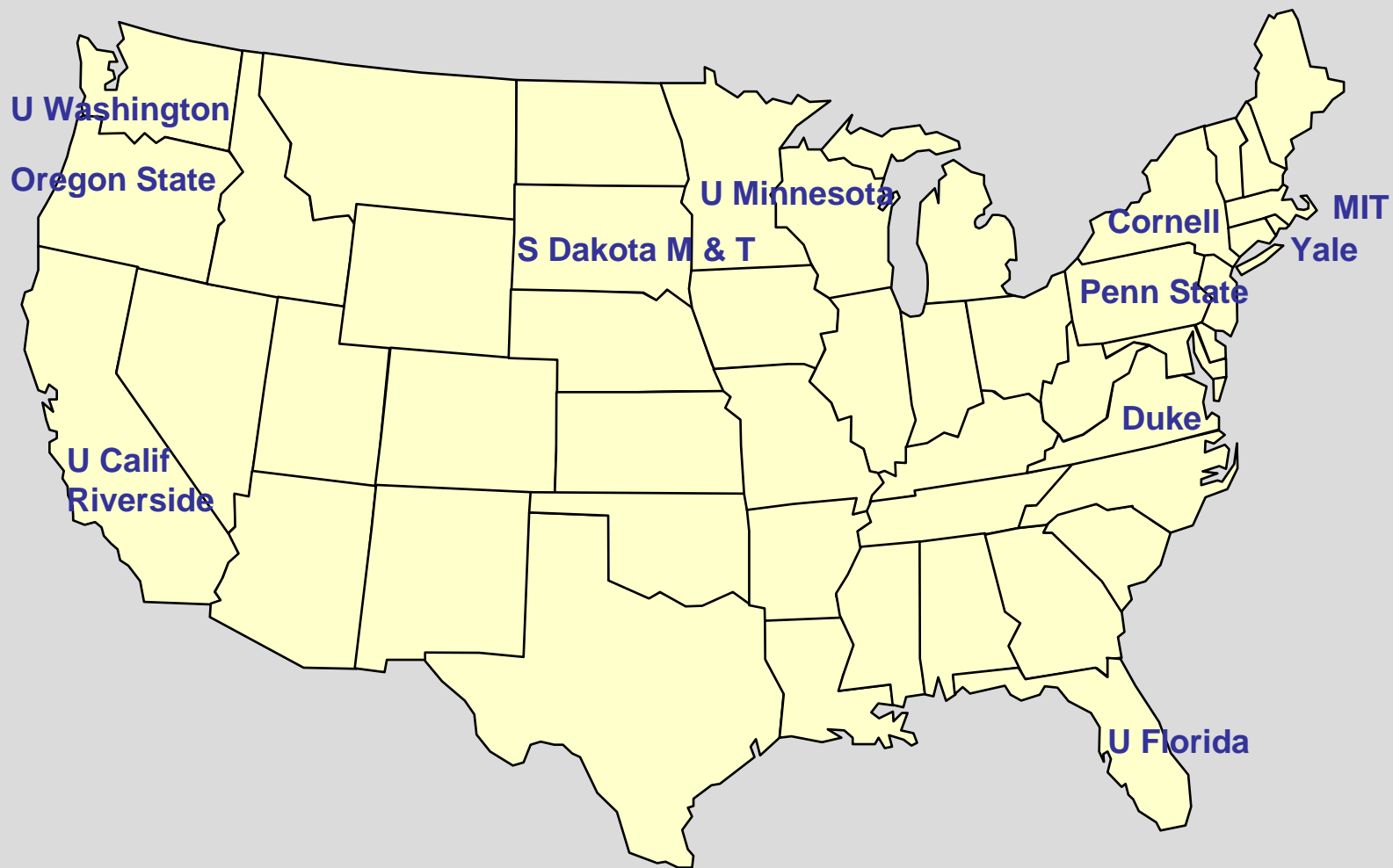
- True intellectual collaboration with Norwegian research partners, fully engaging the expertise, unique facilities and resources offered by the partnership for mutually beneficial research projects
- Effective research and career development for the U.S. Graduate Research Fellow

# 2009 Nordic Research Opportunity Fellows



- **Six life science projects in ecology, evolution, and developmental biology**  
University of Oslo, University of Bergen
- **Four engineering projects focused on energy**  
Norwegian University of Science and Technology
- **Three geoscience projects focused on glaciers, climate change and related theoretical studies**  
University Center in Svalbard, University of Oslo,  
Norwegian Water Resources and Energy Directorate

# 2009 Nordic Research Opportunity Fellows



# Jason Gulley, University of Florida

## Glacier hydrology



Conduits incorporated  
into ice sheet models

Nordic Research  
Opportunity project at:

Hornsund, Svalbard

- University Centre Svalbard
- Polish Polar Res Sta



Mapping caves provides a record of water flow in  
glaciers (Hans Glacier, Hornsund, Svalbard)

# Sonya Auer, Univ. California Riverside Life Sciences



- Constructed an optimization model to predict reproductive responses of fishes to changes in their environment
- “Learned new skills, gained new perspectives and established links with researchers outside the U.S. with whom I will continue to collaborate with in the future.”

University of Bergen



Hot pressing  $\text{La}_{0.995}\text{Ca}_{0.005}\text{NbO}_4$ -CNT composites



Spray Pyrolysis Furnace for the synthesis of Lanthanum Niobate powder at NTNU

- Developed precursor solutions for solution combustion synthesis of single phase  $\text{La}_{0.995}\text{Ca}_{0.005}\text{NbO}_4$

**Christian Mohr**  
(MS Student)

**Alexander Engebretsen**  
(PhD Student)

**Kaja Opland**  
(MS Student)



**Rolf Vogt**  
(Professor)

**Asfaw Gebru**  
(MS Student)

**Gorhan Khalaf**  
(MS Student)



**Univ. Oslo**  
Chemistry Dept.



**Hans Martin Seip**  
(Professor)



**Brian Lutz**  
Duke University  
University of Oslo

• Network of Interactions within first 5 weeks of visit

Center Photo: Brian with daughter at Akershus Castle in front of the Oslofjord



**Univ. of Life Sciences**

**Jan Mulder**  
(Professor)



**Kari Austnes**  
(Research Scientist)



**Heleen De Wit**  
(Research Scientist)



**Oddvar Røyset**  
(Senior Scientist)



**David Barton**  
(Research Scientist)



**Univ. Oslo**  
Biology Dept.



**Tom Andersen**  
(Professor)



**Dag Hessen**  
(Professor)