



*From time to time really exciting things happen at CPAESS and we will be sending you news splashes to keep you up to date!*

### **NOAA Climate and Global Change: Class of 2020**

Congratulations to the 2020 NOAA Climate and Global Change Postdoctoral Fellows! This year we are excited to announce eight newly selected NOAA Climate and Global Change (C&GC) Postdoc fellows. This is an increase of our typical 4 fellows per year, so we are delighted.

"It is an honor for CPAESS to manage this critical program. We are delighted that NOAA has doubled its investment this year in fostering brilliant young scientists on the frontlines of climate and global change science," said Hanne Mauriello, Director of UCAR's Cooperative Programs for the Advancement of Earth System Science (CPAESS).

Over the next two years, the new fellows will be hosted by mentoring scientists at U.S. universities and research institutions and will conduct projects focused on observing, understanding, modeling, and predicting climate variability and change. Here are this year's candidates and the work they will be pursuing:



#### **Rebecca Beadling**

**Proposal Topic:** Mean state representation and the reorganization of subtropical gyre systems under continued warming with implications for regional and global climate

**Host:** Dr. John Krastling, NOAA Geophysical Fluid Dynamics Laboratory

**PhD Institution:** University of Arizona, Department of Geosciences

#### **Andrea Jenney**

**Proposal Topic:** Understanding the Impacts of the Vertical Distribution of Atmospheric Stable Layers on

Convection

**Host:** Dr. Michael Pritchard, University of California, Irvine

**PhD Institution:** Colorado State University, Department of Atmospheric Sciences

**Xiaomeng Jin**

**Proposal Topic:** Reactive nitrogen from wildfires: emissions, chemical evolution and impacts

**Host:** Dr. Ronald Cohen, University of California, Berkeley

**PhD Institution:** Columbia University, Lamont-Doherty Earth Observatory

**Isabel McCoy**

**Proposal Topic:** Understanding the role of cloud morphologies in low cloud feedbacks

**Host:** Dr. Paquita Zuidema, University of Miami, Rosenstiel School of Marine and Atmospheric Sciences

**PhD Institution:** University of Washington, Department of Atmospheric Sciences

**Sebastian Milinski**

**Proposal Topic:** Constraining the contribution of SST warming patterns to the uncertainty in estimates of climate sensitivity by combining large ensembles and observations

**Host:** Dr. Clara Deser, NCAR Climate and Global Dynamics Division

**PhD Institution:** Max Planck Institute for Meteorology and International Max Planck Research School on Earth System Modelling

**Uday Thapa**

**Proposal Topic:** Investigating Changes in Spring-time Water Availability to Inform Water Management in the Himalayas

**Host:** Dr. Samantha Stevenson, University of California, Santa Barbara

**PhD Institution:** University of Minnesota, Department of Geography

**Nina Whitney**

**Proposal Topic:** Assessing Long-Term Atlantic Meridional Overturning Circulation Variability over the Late Holocene using High-Resolution Water Mass Proxies from the Western North Atlantic and Numerical Model Simulations

**Host:** Dr. Caroline Ummenhofer, Woods Hole Oceanographic Institution

**PhD Institution:** Iowa State University, Department of Geological and Atmospheric Sciences

**Madeleine Youngs**

**Proposal Topic:** Northern Hemisphere Climatological Storm Tracks Under Climate Change: A Dynamical Systems Perspective

**Host:** Dr. Edwin Gerber, New York University, The Courant Institute of Mathematical Sciences

**PhD Institution:** Massachusetts Institute of Technology - Woods Hole Oceanographic Institution Joint Program for Oceanography

The NOAA Climate and Global Change Postdoctoral Fellowship Program, founded in 1990 by former NOAA Climate Program Office Director Dr. J. Michael Hall, helps create and train the next generation of leading researchers needed for climate studies, to serve the nation. Over the past 30 years, the fellowship has hosted more than 230 C&GC Fellows and has developed an outstanding reputation of attracting the best and the brightest PhDs in the sciences relevant to climate and global change.

We are excited to have this new class onboard and look forward to hearing about their wonderful research. For more information on [this program here](#). Check out NOAA's [write up on this program here](#).

Flame