The University of Oklahoma's Arctic and Antarctic Research Group seeks a postdoctoral research associate to study the dynamics of Arctic vortices and their role in extended range numerical weather prediction. An improved representation of the Arctic atmosphere is important for (1) understanding the predictability and implications in the changes in Arctic sea ice and (2) bridging knowledge of multi-scale process interactions between the Arctic and lower latitudes. The successful candidate will investigate the above using the Model for the Prediction Across Scales (MPAS) and coupled MPAS-Community Earth System Model (CESM) for real-data based experiments, idealized experiments, and data assimilation. Please visit http://arctic.som.ou.edu/ for more information about the Arctic and Antarctic Research Group at the University of Oklahoma.

The Arctic and Antarctic Research group is part of the University of Oklahoma's School of Meteorology, with 22 faculty members, and over 300 undergraduate and 90 graduate students. It is located inside the National Weather Center (NWC), one of the largest facilities of its kind in the world, housing the University's academic and research programs in meteorology, state organizations, NOAA's National Severe Storms Laboratory (NSSL), the Storm Prediction Center (SPC), Norman National Weather Service, Oklahoma Climatological Survey, the Center for Analysis and Prediction of Storms (CAPS), the Cooperative Institute of Mesoscale Meteorological Studies (CIMMS), and other research units. In addition, the NWC and NOAA host the Hazardous Weather Testbed (HWT), which provides the opportunity for researchers and forecasters to work side-by-side to evaluate emerging research concepts and tools in simulated operational settings that includes experimental forecast exercises.

This full-time position is for two years, and the successful candidate should have a Ph.D. in atmospheric sciences or related fields. Strong computational skills and proficiency in one or more programming languages is expected (Linux and Linux shell scripting, Fortran, Python and/or MATLAB, NCL). Expertise in using data and numerical models and high performance computing is preferred. Excellent oral and written communication skills are also expected, along with an ability to work both independently and cooperatively with others. The beginning salary range will be commensurate based on qualifications and will include University of Oklahoma fringe benefits. Information on benefits may be found at http://hr.ou.edu/Employees/New-Employees-at-OU/OU-Benefits-Overview. Start date for the position will be as soon as the candidate can begin.

To apply, please submit (1) a cover letter describing the applicants research goals and interests, (2) transcripts, (3) a curriculum vitae with a list of publications in referred journals, and (4) the names and contact information of three or more people who can serve as references (with full mailing and email addresses, telephone, and fax numbers) by **email** as a PDF file to: Dr. Steven Cavallo, cavallo@ou.edu, or hard copies may instead be mailed to: Dr. Steven Cavallo, Assistant Professor, School of Meteorology, University of Oklahoma, 120 David L. Boren Blvd. Norman, OK 73072.