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## **John Patrick O'Brien**

Guest Postdoctoral Fellow

Affiliate

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Curriculum Vitae

(<https://eesa.lbl.gov/wp-content/uploads/2015/08/OBrien-John-Patrick-CV-May-2021.pdf>).

## Biography

John Patrick (JP) O'Brien is a postdoctoral research fellow in the Climate Analysis Section

(<http://www.cgd.ucar.edu/cas/>).

, Climate and Global Dynamics Laboratory at the National Center for Atmospheric Research in Boulder, Colorado as well as a postdoctoral research affiliate in the Climate Sciences Department

(<https://eesa.lbl.gov/departments/climate-sciences/>).

, Earth and Environmental Sciences Area at Lawrence Berkeley National Laboratory in Berkeley, California. His research focuses on understanding climate variability and the physical processes that control the probability of experiencing co-occurring extremes in a climate subject to both natural and anthropogenic forcings. With a focus on mid-latitude dynamics, using both observations and model output, this entails the study of tropical – extratropical interactions, coupled ocean – atmosphere interactions, and modes of variability that modulate the statistics of extratropical cyclones, anticyclones, and atmospheric rivers.



Homepage

<https://staff.ucar.edu/users/jpobrien>



Publons

<https://publons.com/researcher/3101543/john-p-obrien/>



Google Scholar

[https://scholar.google.com/citations?hl=en&view\\_op=list\\_works&gmla=AJsN-F5T0Ax31doMUw1V9tYTApSa3XRz8g8x1EPEjNpyBoIR37RM\\_ZXYxdsDHYqrDxxrdRPTOHZc9IGI0j4TIX\\_kgiQjmntlDhVdLj0J09PDpiueRID\\_HFU&user=fMw34hwAAAAJ](https://scholar.google.com/citations?hl=en&view_op=list_works&gmla=AJsN-F5T0Ax31doMUw1V9tYTApSa3XRz8g8x1EPEjNpyBoIR37RM_ZXYxdsDHYqrDxxrdRPTOHZc9IGI0j4TIX_kgiQjmntlDhVdLj0J09PDpiueRID_HFU&user=fMw34hwAAAAJ)

## Expertise

Anthropogenic Effects

[\(/expertise-and-project-keyword-search/?keyword=Anthropogenic Effects\)](/expertise-and-project-keyword-search/?keyword=Anthropogenic%20Effects)

Climate and Interannual Variability

[\(/expertise-and-project-keyword-search/?keyword=Climate and Interannual Variability\)](/expertise-and-project-keyword-search/?keyword=Climate%20and%20Interannual%20Variability)

Climate Change and Variability

[\(/expertise-and-project-keyword-search/?keyword=Climate Change and Variability\)](/expertise-and-project-keyword-search/?keyword=Climate%20Change%20and%20Variability)

Climate Dynamics

[\(/expertise-and-project-keyword-search/?keyword=Climate Dynamics\)](/expertise-and-project-keyword-search/?keyword=Climate%20Dynamics)

Climate Variability

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Drought

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ENSO

[\(/expertise-and-project-keyword-search/?keyword=ENSO\)](/expertise-and-project-keyword-search/?keyword=ENSO)

Extreme Events

(/expertise-and-project-keyword-search/?keyword=Extreme Events)

Hydroclimatology

(/expertise-and-project-keyword-search/?keyword=Hydroclimatology)

California Hydroclimate

(/expertise-and-project-keyword-search/?keyword=California Hydroclimate)

## Education

**Ph.D. Earth and Planetary Science – Climate and Atmospheric Sciences, University of California Santa Cruz, Santa Cruz, CA, 2014-2019,**

Dissertation: The Quantification of Co-occurring Meteorological Extremes and the Anthropogenic Contribution to Hydrometeorological Variation

**Citation in Applied Geostatistics, University of Alberta, Edmonton, AB, 2013**

**B.S. Engineering Physics, minor in Geophysics, ASI in Mathematics, Colorado School of Mines, Golden, CO, 2010**

**A.A. University Studies with Physics and Mathematics Emphasis, Monterey Peninsula College, Monterey, CA, 2007**

## Experience

**Postdoctoral Research Fellow, National Center for Atmospheric Research, 2020-Present**

**Postdoctoral Research Affiliate, Lawrence Berkeley National Laboratory, 2020-Present**

**GSRA, Lawrence Berkeley National Laboratory, 2014-2019**

**GSR, University of California, Santa Cruz, 2014-2019**

**Lab Assistant, University of California, Davis, Bodega Marine Laboratory, 2013**

**Exploration Geophysicist, Cimarex Energy Company, 2010-2013**

**Geophysical Intern, Cimarex Energy Company, 2008-2010**

**Trinity Alps Wilderness, United States Forest Service, 1998-2000**

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