

The Meng Lab (<https://my.vanderbilt.edu/lin-meng/>) at the Department of Earth and Environmental Sciences at Vanderbilt University is seeking a highly motivated post-doctoral scholar interested in vegetation dynamics using remote sensing, in situ observation, and modeling. The post-doctoral scholar will investigate the changes in vegetation dynamics (e.g., phenology, seasonality, and interannual trend) under climate change, disturbance, and human activities, as well as the vegetation feedback to carbon and water cycles. The new findings will inform model development of vegetation dynamics in response to a changing environment, including in urban areas. There will also be exciting opportunities to explore topics related to vegetation cooling effect on urban heat, phenology under fire and droughts, ecological light pollution, and phenology modeling using machine learning depending on the interest of the successful candidate. This is an exciting opportunity to be a part of a fast-evolving and active research field, with significant potential for high-impact publication and visibility of your research.

Minimum Qualifications

- A Ph.D. in environmental science, ecology, geography, remote sensing, meteorology, natural resource/forestry, or a closely related relevant area by the time of appointment.
- Strong programming skills (R or Python), data-intensive processing and analysis, satellite remote sensing analysis, and statistical and visualization skills.
- Solid background in global change ecology, vegetation remote sensing, and land surface processes.
- Strong record of publishing research in peer-reviewed journals.

Preferred Qualifications: Prior experience working with Google Earth Engine, geospatial analysis, and extensive vegetation model development/evaluation.

To apply: Please send an email to Lin Meng (lin.meng@vanderbilt.edu) with subject line: "Application for Global Change Ecology postdoc" that includes your (1) CV, (2) list of contacts for three references, (3) a short cover letter (1 page) highlighting your qualifications and interest in the position and (4) unofficial copies of university transcripts. The position is available immediately. The start date of September 1, 2022 is expected but negotiable. This position can be renewed annually depending on satisfactory performance and availability of funding.

Institution Information

Vanderbilt University is an R1 Carnegie classification research institution and is ranked among the top universities in the United States, providing comprehensive, high-quality undergraduate and graduate programs. Founded in 1873, Vanderbilt enrolls approximately 13,800 students from the US and over 100 foreign countries. Vanderbilt University is located in Nashville, Tennessee, a thriving state-capital city that enjoys a moderate climate, excellent parks and natural areas, a strong and varied economy, and diverse food, music, and cultural opportunities. Vanderbilt University and the Department of Earth and Environmental Sciences have a strong institutional commitment to recruiting and retaining an academically and culturally diverse community of faculty, staff, and students. Members of traditionally underrepresented groups

are strongly encouraged to apply. Vanderbilt is an Equal Opportunity/ Affirmative Action employer.

Please share this announcement with potential applicants, and feel free to reach out to me directly with any questions.

Thanks and best wishes,
Lin

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