



Department of Oral Biology

College of Dentistry



UNIVERSITY OF
ILLINOIS CHICAGO

The Wietecha Lab at the University of Illinois College of Dentistry, Department of Oral Biology is seeking a Postdoctoral Research Associate to grow the lab's NIH-supported research program. The Postdoctoral Research Associate will perform mentored, independent, inter-disciplinary primary research focused on exploratory and mechanistic investigations of the cellular and molecular parallels between wound healing and chronic disease progression. For more information about the Wietecha Lab, please visit the lab website:

<https://go.uic.edu/WietechaLab>

Duties and Responsibilities:

- Report directly to and be mentored by the Principal Investigator (PI) and collaborate with the PI to develop and carry out an independent research project within the realm of the PI's research program.
- Design and carry out various experimental and bioinformatics studies of wounds and related chronic conditions using high-throughput methods, including single-cell and spatial transcriptomics.
- Prepare research manuscripts for publication, present original research at scientific conferences, and engage in peer review of manuscripts.
- Mentor and train students at the undergraduate, master's and PhD level in the research laboratory setting, with possible additional opportunities to engage in teaching activities within the dental and/or graduate curriculum.
- Perform other related duties and participate in special projects, as assigned.
- Work with the PI to apply for relevant grants and fellowships to support the research of the Postdoctoral Research Associate, such as NIH's National Research Service Awards (NRSA).
- Work with the PI to develop an individual research career development plan and engage in relevant career development activities.

Job Minimum Qualifications:

- Must have received a doctorate degree (PhD or equivalent) within the last five years.
- Advanced degree should be in Bioinformatics, Computational Biology, Bioengineering, Molecular Biology, or a related field.
- Proficiency in scientific coding environments such as R, Python and/or MATLAB is required.
- Hands-on experience with biological big data analysis, especially single-cell and/or spatial transcriptomics, is preferred.
- The candidate must demonstrate an academic track record, including a first-author publication in a peer-reviewed journal.
- Must have a demonstrated ability to effectively work independently and as part of a multi-disciplinary team.
- Must have excellent organizational and communication skills, and a strong work ethic.
- Must provide a strong recommendation from a research mentor, a primary thesis mentor, and/or a previous postdoc mentor.

Salary: Annual salary of between \$61,008-74,088 (NIH NRSA scale), commensurate to years of previous experience as a postdoctoral associate and/or a research scientist. The position is fully supported by the PI's R35 NIGMS research grant.

For more information and to apply for this position, please follow the instructions at the following site:

<https://uic.csod.com/ux/ats/careersite/1/home/requisition/12754?c=uic>

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