

Research Scientist and Postdoc Openings on Bioprinting  
and Printer Development  
University of Notre Dame

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Posted Jan. 13, 2025, set to expire May 12, 2025

<b>Job Title</b>	Research Scientist and Postdoc Openings on Bioprinting and Printer Development
<b>Department</b>	Mechanical Engineering
<b>Institution</b>	University of Notre Dame Notre Dame, Indiana
<b>Date Posted</b>	Jan. 13, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Robotics Mechatronics Mechanical Engineering Material/Metallurgy Manufacturing & Quality Engineering Industrial & Systems Engineering Chemical/Petroleum Bioengineering (all Bio-related fields) Engineering - Other
<b>Apply By Email</b>	<a href="mailto:yzhang45@nd.edu">yzhang45@nd.edu</a>

**Job Description**

**Professor Yanliang Zhang's** lab at the University of Notre Dame (**A top 18 University in US**) has multiple research scientist and postdoc openings.

**Responsibilities and career development opportunities:**

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The research scientists and postdocs will work on a collaborative bioprinting project between Prof. Yanliang Zhang at Notre Dame and Prof. Y. Shrike Zhang at Harvard Medical School. We will develop revolutionary bioprinting methods capable of producing 3D complex tissues and functional organs. The candidates will receive in-depth trainings and career development opportunities on cutting-edge bioprinting technologies at both Notre Dame and Harvard Medical School.

### **Desired experiences and qualifications:**

Bioprinting, development of bioprinter hardware and software, robotics and control, real-time monitoring and AI for autonomous additive manufacturing, tissue engineering.

Interested applicants should send resume and three professional references **to Prof. Zhang by email: [yzhang45@nd.edu](mailto:yzhang45@nd.edu)**.

Professor Zhang is the Advanced Materials and Manufacturing Collegiate Chair Professor, and the director of Advanced Materials and Manufacturing for Energy and Health Lab.

The mission of our lab is to develop advanced materials and novel additive manufacturing methods to address major societal challenges in personalized health and sustainable energy. We are working on cutting-edge research topics on multi-materials additive manufacturing, bioprinting of tissues/organs, wearable/implantable devices, and sustainable energy materials and systems. Our lab's groundbreaking research has been published in top journals including ***Nature*, *Advanced Materials*, *Energy & Environmental Science*, *Chemical Society Reviews***, etc. More information about our research can be found from our lab website: <https://zhanglab.nd.edu/>.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact** Yanliang Zhang  
Mechanical Engineering  
University of Notre Dame  
Notre Dame, IN



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