

Postdoctoral position in vascular tissue engineering  
Vanderbilt University

Direct Link: <https://www.AcademicKeys.com/r?job=262606>

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Posted Sep. 16, 2025, set to expire Jan. 16, 2026

**Job Title** Postdoctoral position in vascular tissue engineering

**Department** Mechanical Engineering

<https://engineering.vanderbilt.edu/departments/mechanical-engineering/>

**Institution** Vanderbilt University

Nashville, Tennessee

**Date Posted** Sep. 16, 2025

**Application Deadline** Open until filled

**Position Start Date** Available Immediately

**Job Categories** Post-Doc

**Academic Field(s)** Mechanical Engineering

Bioengineering (all Bio-related fields)

Engineering - Other

**Apply By Email** [leon.bellan@vanderbilt.edu](mailto:leon.bellan@vanderbilt.edu)

**Job Description**

The Bellan Laboratory (<https://my.vanderbilt.edu/bellanlab/>) at Vanderbilt University seeks an outstanding postdoctoral researcher to work on an NIH-funded vascular tissue engineering project that focuses on establishing a 3D in vitro model of a congenital heart defect affecting newborns.

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We are looking for a highly motivated, enthusiastic and collaborative candidate with a Ph.D. in biomedical engineering, mechanical engineering, bioengineering, or a related field. Previous experience in one or more of the following technical areas is required: human cell culture and characterization, three-dimensional cell culture, advanced microscopy, microfluidics and/or biomaterials. Must possess strong interpersonal and collaboration skills and the ability to contribute in a multidisciplinary team setting. Excellent oral and written communication skills required, as is the ability to follow safety procedures and maintain a safe work environment.

We offer a creative and collaborative environment with several opportunities of communicating results to the scientific community through publications and presentations as well as mentoring students. The successful candidate will work in a highly interdisciplinary environment, collaborate closely with colleagues in Pediatrics at the Vanderbilt University Medical Center, and must be interested and motivated to learn techniques from a wide range of fields. Flexibility to pursue research in areas of interest, to apply for grants and fellowships, and to develop independent research directions is encouraged.

Applicants should send a cover letter, CV and list of at least 3 references to Dr. Leon Bellan. The cover letter should include a description of the candidate's relevant research experience, research interest, goals and expectations for the position, and preferred start date.

### Contact Information

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

**Contact**      Leon Bellan  
Mechanical Engineering  
Vanderbilt University  
2400 Highland Ave  
Nashville, TN 37203

**Phone Number**      (615) 343-0470

**Contact E-mail**      leon.bellan@vanderbilt.edu