

Call for Papers

## Vasculogenesis and angiogenesis *in vivo* and *in vitro*

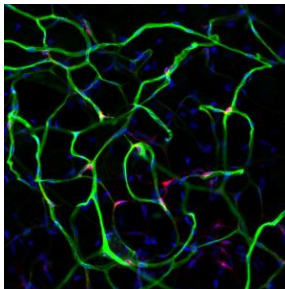


Image credit: Emmanuel Nwadozi, Haas Lab, York University

[BMC Biology](#) is calling for submissions to our Collection on vasculogenesis and angiogenesis. This Collection aims to bring together cutting-edge research that explores the cell and molecular mechanisms and therapeutic applications of blood vessel formation in health and disease.

Submissions may include *in vivo* studies on vasculogenesis and angiogenesis during embryonic development, as well as during tissue repair and regeneration in adult organisms. In addition, we welcome contributions covering pathological vasculogenesis and angiogenesis, emphasizing the role of signaling molecules and cellular dynamics on disease onset and progression, and the use of advanced imaging techniques and genetic models.

*In vitro* studies on vasculogenesis and angiogenesis in organoids and vessels-on-a-chip with applications in cell therapy, regenerative medicine, and disease modeling are also encouraged. Particularly those reporting improved vascularization, with implications for increased survival and integration of transplantable cellular grafts.

This Collection supports and amplifies research related to [SDG 3: Good Health & Well-being](#).

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### Guest Editors

- **Sara Baratchi**: PhD, Baker Heart and Diabetes Institute, Australia
- **Tara Haas**: PhD, York University, Canada
- **Mary Kathryn (M.K.) Sewell-Loftin**: PhD, University of Alabama at Birmingham, USA



[www.biomedcentral.com/collections/vaiviv](http://www.biomedcentral.com/collections/vaiviv)

Submission Deadline: 22 August 2025