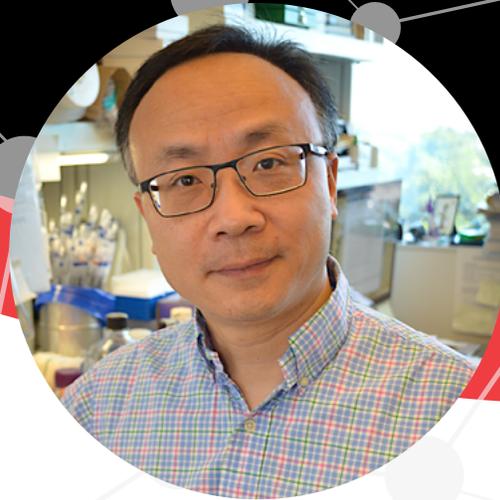


NYBCe RESEARCHER PROFILE



BOJING SHAO, MD, PhD

Head, Laboratory of Vascular Inflammation and Thrombosis Research

BACKGROUND

Degree Institutions

- Soochow University - MD
- University of Oklahoma Health Sciences Center - PhD (Biochemistry and Molecular Biology)

Postdoctoral Institution

- Cardiovascular Biology Research Program, Oklahoma Medical Research Foundation

AREAS OF RESEARCH

- Regulation of inflammation
- Hemostasis/thrombosis

KEY PUBLICATIONS



CONTACT

To contact the lab, email Dr. Shao at BShao@nybc.org or the Office of Sponsored Programs at researchadmin@nybc.org.

To learn more about NYBCe patents and licensing, visit our webpage: <https://www.nybce.org/our-research/nybce-technology-discoveries/>.

NYBCe LAB DESCRIPTION

Laboratory of Vascular Inflammation and Thrombosis Research: the overarching goal of the laboratory is to determine the molecular mechanisms underlying the temporal and spatial regulation of trafficking and functions of blood cells in the progression of inflammation and hemostasis/thrombosis. A combination of mouse genetic models, in vivo and in vitro microscopy, and biochemical and cellular methods is used in their studies.

INDUSTRY & ACADEMIC PARTNER COLLABORATIONS

- Frontiers Cardiovascular Medicine: Guest Editor
- Fellowship of American Heart Association: Review Committee Member
- Oklahoma Medical Research Foundation: William G. Thurman Award Recipient (2023) and Chuck Esmon Outstanding Publication Award (2015)

COLLABORATIONS OF INTEREST

- Companies or academics interested in inflammation and thrombosis.
- Companies or academics interested in physiology and pathology of leukocytes and platelets.

CURRENT PROJECTS

- **N-glycans on neutrophil integrin $\beta 2$ in progression of acute lung injury (ALI):** examining the molecular mechanisms for N-glycans to regulate integrin $\beta 2$ -mediated trafficking and function of neutrophils in the progression of ALI. Insights into the fine-tuned neutrophil recruitment and functions may help develop novel effective medicines to save lives.
- **Platelets in maintaining the blood vessel integrity during inflammation:** exploring the role of GPIIb-IIIa-VWF and -CLEC-2 pathways in regulating the vascular permeability during inflammation. Insights gained from these studies may provide novel approaches to benefit inflammatory patients.

