



INTERNATIONAL RESEARCH AWARDS ON CARDIOLOGY AND CARDIOVASCULAR MEDICINE

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Award Nomination Application Form

Personal Details:

Full Name: Yao An

Designation: PhD Candidate

Institution/Organization: Department of Medical Laboratory Science and Technology, Harbin Medical University-Daqing.

Contact Information: email address: docanyao@163.com **phone number:**
+8617614855380

Academic and Professional Background (100 words max):

Ph.D. Harbin Medical University (2023-present), China; M.S. Harbin Medical University (2020-2023), China; B.S. Inner Mongolia Minzu University (2016-2020), China.

Research and Innovations:

Completed/Ongoing Research Projects: no

Citation Index:12

Consultancy/Industry Projects: no

Books Published (ISBN): no

Patents Published/Under Process: Yao An, "Application of TMEM16F as a biomarker in the early diagnosis and prevention of venous thromboembolism," China Patent Pending.

Journals Published (SCI, Scopus, etc.): 6

1. **An Y**, Dong H, Yan M, Liu C, Hu D, Liu Q, Zhang J, Han X, Li Z, Xu M, Chen L, Zhang Q, Gao C. Pan-Cancer Analysis of ANO6 and Experimental Validation in Metastatic Melanoma. *Biochem Genet.* 2025 Mar 5.
2. **An Y**, Xu M, Yan M, Zhang H, Li C, Wang L, Liu C, Dong H, Chen L, Zhang L, Chen Y, Han X, Li Y, Wang D, Gao C. Erythrophagocytosis-induced ferroptosis contributes to pulmonary

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microvascular thrombosis and thrombotic vascular remodeling in pulmonary arterial hypertension. *J Thromb Haemost.* 2025 Jan;23(1):158-170.

3. Yan M*, Wang Z*, **An Y***, Li Z, Li Y, Zhang H, Li C, Wang L, Chen L, Gao C, Wang D, Gao C. OxLDL enhances procoagulant activity of endothelial cells by TMEM16F-mediated phosphatidylserine exposure. *Cell Biol Int.* 2024 Jun;48(6):848-860.
4. Li Z, Yan M, Wang Z, **An Y**, Wei X, Li T, Xu M, Xia Y, Wang L, Gao C. Ferroptosis of Endothelial Cells Triggered by Erythrophagocytosis Contributes to Thrombogenesis in Uremia. *Thromb Haemost.* 2023 Dec;123(12):1116-1128.
5. Yan M, Xu M, Li Z, **An Y**, Wang Z, Li S, Chen Y, Xia Y, Wang L, Wang L, Ji S, Dong W, Shi J, Gao C. TMEM16F mediated phosphatidylserine exposure and microparticle release on erythrocyte contribute to hypercoagulable state in hyperuricemia. *Blood Cells Mol Dis.* 2022 May 7;96:102666.
6. Yu H, Wang Z, Li Z, **An Y**, Yan M, Ji S, Xu M, Wang L, Dong W, Shi J, Gao C. Hyperuricemia enhances procoagulant activity of vascular endothelial cells through TMEM16F regulated phosphatidylserine exposure and microparticle release. *FASEB J.* 2021 Sep;35(9):e21808.

Editorial Appointments: no

Collaborations: no

Professional Memberships: no

Areas of Research: Thrombosis and Haemostasis

Contributions (100 words max): Dr. Yao An is a distinguished researcher at Harbin Medical University, China, who focuses on research in the fields of thrombosis and hemostasis. His research bridges molecular mechanisms and clinical practice, revealing how ferroptosis triggers thrombotic cascades through oxidative stress pathways and identifying key biomarkers linking cellular iron overload to vascular occlusion, offering novel therapeutic targets. This groundbreaking discovery advances precision diagnosis and inspires targeted anti-thrombotic drug development, potentially reducing global cardiovascular mortality.

Proofs and Declaration:

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Academic/Research Links: <https://orcid.org/0000-0002-1146-552X>

ID/Certificate Links: <https://www.scopus.com/authid/detail.uri?authorId=57232362900>

Award Category Preference: Best Researcher Award

Self-Declaration:

I authenticate that to the best of my knowledge the information given in this form is correct and complete. At any time, I am found to have concealed any material information, my application shall be liable to be summarily terminated without notice. I have read the terms and conditions and other policies of the Awards and agree to them.

Nominator Signature/Name: *Gao An*

Date: *2025.03.06*

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