Award Nomination Application Form

Personal Details:

Full Name: Chunyan Gao

Designation: Professor

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

Contact Information: email address: gaochunyan1234@163.com **phone number:** +8613946946116

Academic and Professional Background (100 words max):

Education: Ph.D. Harbin Medical University（2010-2013）,China; M.S. Harbin Medical University（2004-2007）,China; B.S. Jiamusi University（1996-2001）,China.

Professional experience: 2001-2006 TA, Department of Medical Laboratory Science and Technology, Harbin Medical University-Daqing; 2006-2011 Lecturer, Department of Medical Laboratory Science and Technology, Harbin Medical University-Daqing; 2011-2015 Associate Professor, Department of Medical Laboratory Science and Technology, Harbin Medical University-Daqing; 2015-2018 Visiting Scholar, the Blood Research Institute, Versiti Wisconsin, Milwaukee, WI; 2015-present Professor, Department of Medical Laboratory Science and Technology, Harbin Medical University-Daqing.

Research and Innovations:

Completed/Ongoing Research Projects: Chunyan Gao, MD,PhD, the Principal Investigator of several prestigious research projects. She currently leads a project funded by the National Natural Science Foundation of China (Project No. 82270134, 2023-2026). Dr. Gao has also completed many significant projects as the Principal Investigator, such as National Natural Science Foundation of China (Project No. 82070140, 2021-2024; Project No. 81400097, 2015-2017), Marshal Initiative Funding (Project No. HMUMIF-22005, 2022-2023), Natural Science Foundation of Heilongjiang Province (Project No. LH2020H029, 2020-2023), Heilongjiang Postdoctoral Science Foundation (Project No. LBHQ19127, 2020-2021), PhD Fund of Harbin Medical University-Daqing (Project No. XQBSQDJ201902, 2020-2022), Center

of diagnosis and treatment of disease in cold place, Harbin Medical University (Project No. CXZX-ZXKT01, 2021-2024). Her research continues to make significant contributions in the fields of thrombosis and hemostasis.

Citation Index: 371

Consultancy/Industry Projects: no

Books Published (ISBN): 6

Medical Laboratory Research Design and Paper Writing (ISBN: 9787117335492); Hematologic Examination (ISBN: 9787521414530); Hematology Laboratory Instruction (ISBN: 9787117202497); Hematologic Examination (ISBN: 9787117201087); Clinical Hematology Test Technology Experimental Guidance (ISBN: 9787117211116); Clinical Hematology Test Technique (ISBN: 9787117210331).

Patents Published/Under Process: Chunyan Gao, “Use of phosphatidylserine exposure in red blood cells and platelets as a molecular marker in the detection of thrombosis,” China Patent Pending; Chunyan Gao, “Application of TMEM16F as a biomarker in the early diagnosis and prevention of venous thromboembolism,” China Patent Pending.

Journals Published (SCI, Scopus, etc.): 11 (first author or corresponding author)

1.Gao C. (2024) Erythrophagocytosis induced ferroptosis contribute to pulmonary microvascular thrombosis and thrombotic vascular remodeling in pulmonary arterial hypertension. J Thromb Haemost, 30:S1538-7836(24)00558-0. DOI: 10.1016/j.jtha.2024.09.011.

2.Gao C. (2024) OxLDL enhances procoagulant activity of endothelial cells by TMEM16F-mediated phosphatidylserine exposure. Cell Biol Int, 48(6):848-860. DOI: 10.1002/cbin.12150.

3.Gao C. (2023) Ferroptosis of Endothelial Cells Triggered by Erythrophagocytosis Contributes to Thrombogenesis in Uremia. Thromb Haemost, 123(12):1116-1128. DOI: 10.1055/a-2117-7890.

4.Gao C. (2022) TMEM16F mediated phosphatidylserine exposure and microparticle release on erythrocyte contribute to hypercoagulable state in hyperuricemia. Blood Cells Mol Dis, 96:102666. DOI: 10.1016/j.bcmd.2022.102666.

5.Gao C. (2021) Hyperuricemia enhances procoagulant activity of vascular endothelial cells through TMEM16F regulated phosphatidylserine exposure and microparticle release. FASEB J, 35(9):e21808. DOI: 10.1096/fj.202100426R.

6.Gao C. (2020) Phagocytosis by endothelial cells inhibits procoagulant activity of platelets of essential thrombocythemia in vitro. J Thromb Haemost, 18(1):222-233. DOI: 10.1111/jth.14617.

7.Gao C. (2019) Nongenotoxic antibody-drug conjugate conditioning enables safe and effective platelet gene therapy of hemophilia A mice. Blood Adv, 3(18):2700-2711. DOI: 10.1182/bloodadvances.2019000516.

8.Gao C. (2015) Indolic uremic solutes enhance procoagulant activity of red blood cells through phosphatidylserine exposure and microparticle release. Toxins (Basel), 7(11):4390-403. DOI: 10.3390/toxins7114390.

9.Gao C. (2015) Thrombotic Role of Blood and Endothelial Cells in Uremia through Phosphatidylserine Exposure and Microparticle Release. PLoS One, 10(11):e0142835. DOI:10.1371/journal.pone.0142835.

10.Gao C. (2013) Endothelial cell phagocytosis of senescent neutrophils decreases procoagulant activity. Thromb Haemost, 109(6):1079-90. DOI:10.1160/TH12-12-0894.

11.Gao C. (2012) Procoagulant activity of erythrocytes and platelets through phosphatidylserine exposure and microparticles release in patients with nephrotic syndrome. Thromb Haemost, 107(4):681-9. DOI: 10.1160/TH11-09-0673.

Editorial Appointments: Chinese Journal of Medical Education Research (ISSN:1673-677X)

Collaborations: Cooperate with Professor Jialan Shi from the Department of VA Boston Healthcare System, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, and Professor Qizhen Shi from the Blood Research Institute, Versiti Wisconsin, Milwaukee, WI.

Professional Memberships: Laboratory Medicine Professional Committee of Chinese Association for Improving Birth Outcome and Child and The HeiLongjiang Province`s Medical Association

Areas of Research: Thrombosis and Haemostasis

Contributions (100 words max): Dr. Chunyan Gao is a distinguished researcher at Harbin Medical University, China, whose work in the pathogenesis of thrombotic diseases, clinical hematology and hematologic examinations, and innovative technologies such as coagulation screening has earned her numerous accolades and research grants. As she continues to explore new frontiers in thrombosis and haemostasis, her work promises to inspire future generations of medical professionals and researchers, paving the way for innovative solutions to the challenges faced in the prevention of thrombotic diseases.

Proofs and Declaration:

Academic/Research Links: orcid.org

ID/Certificate Links: https://www.scopus.com/authid/detail.uri?authorId=55078295300

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: ChunYan Gao

Date: 2024.10.13