

NYBCe RESEARCHER PROFILE



HUI ZHONG, PhD

Head, Laboratory of Immune Regulation

BACKGROUND

Degree Institution

- Peking University Health Science Center - MD
- Peking Union Medical College - PhD

Postdoctoral Institution

- Lindsley F. Kimball Research Institute (LFKRI) as part of NYBCe

AREAS OF RESEARCH

- Immune regulation in inflammatory disease
- Transfusion immunology
- Monocyte differentiation and activity

NON-EXPIRED AWARDED PATENTS

- PCT/US2022/082636- Interferon-gamma-mediated Anti-cancer Therapy - Pending
- PCT/US2021/054827- Compounds For Treatment Of Hemolysis-and Inflammasome-associated Diseases - Pending

KEY PUBLICATIONS



CONTACT

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

To learn more about NYBCe patents and licensing, visit our webpage: nybce.org/patents.

NYBCe LAB DESCRIPTION

The Laboratory of Immune Regulation works to:

- Understand immune regulation disorders in inflammatory diseases like Sickle cell disease and COVID-19
- Understand the mechanisms of monocyte subsets differentiation and immune regulatory activity

These studies uncover new mechanisms for monocyte differentiation and the regulation of the inflammation process but also pave the way for “monocyte diagnostics” and “monocyte therapeutics” in inflammatory diseases.

INDUSTRY & ACADEMIC PARTNER COLLABORATIONS

- Blood; Blood Advances; British Journal of Haematology; American Journal of Hematology; Pharmaceutical Sciences; Transfusion Medicine et al: Manuscript Reviewer
- Deverra Therapeutics: Collaborator

COLLABORATIONS OF INTEREST

- The mechanism of immune regulation disorder in inflammatory diseases
- Small molecules inhibits the inflammation in sickle cell disease and COVID-19
- Monocyte targeted therapeutic development

