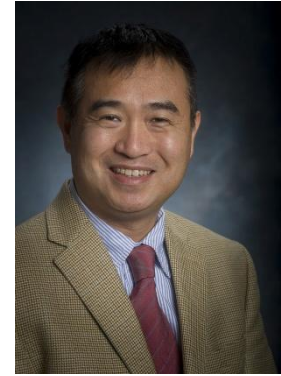


AXA Brief CV (Hidetaka Hara, MD, PhD)

Educational Background:

- 1989 to 1995: M.D., Kawasaki Medical School, Okayama, Japan
- 2000 to 2004: Ph.D., Graduate School of Medical Sciences, Hiroshima University, Hiroshima, Japan



Professional Career:

- 2004 to 2010: Postdoctoral Fellow and Instructor, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, PA, USA
- 2011 to 2016: Assistant Professor, Thomas E. Starzl Transplantation Institute, University of Pittsburgh, PA, USA
- 2016 to 2017: Assistant Professor, Department of Surgery, University of Alabama at Birmingham, AL, USA
- 2017 to 2021: Associate Professor, Department of Surgery, University of Alabama at Birmingham, AL, USA
- 2022 to 2023: Professor, College of Veterinary Medicine, Yunnan Agricultural University, Yunnan, China
- 2023 to present: Professor, Transplantation Institute, Second Affiliated Hospital of Hainan Medical University, Haikou, China

Society Membership:

- The Transplantation Society (TTS)
- The International Xenotransplantation Association (IXA) (IXA Councilor, 2023 to 2027)
- The Cell Transplant and Regenerative Medicine Society (CTRMS)
- The American Society for Transplantation (AST)
- The Japan Surgical Society (JSS)

Journal Roles:

- Associate Editor, Cell Transplantation
- Editorial Board Member, Xenotransplantation

Research Interests:

Dr. Hidetaka Hara, MD, PhD, is Professor at the Transplantation Institute of the Second Affiliated Hospital of Hainan Medical University in Haikou, China. He is a leading expert in xenotransplantation and transplant immunology with more than 20 years of experience in genetically engineered pig-to-primate research. His work with Dr. David K. C. Cooper in the United States contributed to major advances in heart, kidney, liver, islet, corneal, and skin xenotransplantation, as well as red blood cell transfusion studies.

His current research focuses on translating genetically engineered porcine organs and cells into clinical application, including experimental work using decedent human models. He has authored more than 200 peer-reviewed publications, including studies in the Lancet, American Journal of Transplantation, and Transplantation. He serves as a reviewer for journals such as Xenotransplantation, Lancet, Cell, Nature Medicine, and Nature Communications.

Dr. Hara continues to contribute to global progress in xenotransplantation through his leadership roles in research, education, and international collaboration.

Selected Publications (Up to 5):

1. **Hara H**, Witt W, Crossley T, Long C, Isse K, Fan L, Phelps CJ, Ayares D, Cooper DK, Dai Y, Starzl TE. Human dominant-negative class II transactivator transgenic pigs - effect on the human anti-pig T-cell immune response and immune status. Immunology. 2013;140(1):39-46. PMID: 23566228
2. Zhang G, Iwase H, Wang L, Yamamoto T, Jagdale A, Ayares D, Li Y, Cooper DKC, **Hara H**. Is interleukin-6 receptor blockade (tocilizumab) beneficial or detrimental to pig-to-baboon organ xenotransplantation? Am J Transplant. 2020;20(4):999-1013. PMID: 31733178
3. **Hara H**, Iwase H, Nguyen H, Miyagawa Y, Kuravi K, Foote JB, Eyestone W, Phelps C, Ayares D, Cooper DKC. Stable expression of the human thrombomodulin transgene in pig endothelial cells is associated with a reduction in the inflammatory response. Cytokine. 2021;155580. PMID: 34099346
4. **Hara H**, Yamamoto T, Wei HJ, Cooper DKC. What have we learned from in vitro studies about pig-to-primate organ transplantation? Transplantation.

2023;107(6):1265-1277. PMID: 36536507

5. **Hara H**, Wang Y. Beyond transplantation: Gene-edited pig liver supports function in a human host. *Cell Stem Cell*. 2025;32(7):1034-1035. PMID: 40614712

Keywords:

Xenotransplantation, Transplant immunology, Anti-pig antibodies, B cell immunity, Genetically engineered pigs, Inflammation, Preclinical models

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