

Prof. Jingang Xiong

School of Mathematical Sciences, Beijing Normal University
Main Building 1216, No. 19 Xijiekouwai St., Haidian District
Beijing 100875, China

Email: jx@bnu.edu.cn

Homepage: <http://math0.bnu.edu.cn/~jx/>

Employment

- **Professor**, Beijing Normal University
2020 – Present
- **Associate Professor**, Beijing Normal University
2016 – 2020
- **Assistant Professor**, Beijing Normal University
2015 – 2016
- **Simons Postdoctoral Fellow**, Beijing International Center for Mathematical Research (BICMR), Peking University
2012 – 2014

Education

- **Ph.D. in Mathematics**, Beijing Normal University
2007 – 2012
Dissertation: *A Fractional Nirenberg Problem*
Advisors: Jiguang Bao (Beijing Normal University) and YanYan Li (Rutgers University, USA)
- **Visiting Student**, Rutgers University
2010 – 2012
- **B.S. in Mathematics**, Changchun Normal University
2003 – 2007

Research Interests

Nonlinear analysis, geometric partial differential equations

Selected Publications (Last Five Years)

1. T. Jin and J. Xiong, *Regularity of solutions to the Dirichlet problem for fast diffusion equations*, Adv. Math. 478 (2025), Art. No. 110390.
2. T. Jin, X. Tu, and J. Xiong, *Regularity and classification of the free boundary for a Monge–Ampère obstacle problem*, Adv. Math. 482 (2025), Art. No. 110602.
3. T. Jin, J. Xiong, and X. Ros-Oton, *Optimal regularity and fine asymptotics for the porous medium equation in bounded domains*, J. Reine Angew. Math. 809 (2024), 269–300.
4. Y.Y. Li, L. Nguyen, and J. Xiong, *Regularity of viscosity solutions of the σ_k -Loewner–Nirenberg problem*, Proc. London Math. Soc. 127 (2023), no. 4, 1–34.
5. T. Jin and J. Xiong, *Optimal boundary regularity for fast diffusion equations in bounded domains*, Amer. J. Math. 145 (2023), no. 1, 151–220.