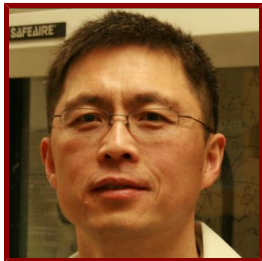


Stanford



Jianghong Rao

Professor of Radiology (Molecular Imaging Program at Stanford) and, by courtesy, of Chemistry

Radiology - Rad/Molecular Imaging Program at Stanford

 NIH Biosketch available Online

CONTACT INFORMATION

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Bio

ACADEMIC APPOINTMENTS

- Professor, Radiology - Rad/Molecular Imaging Program at Stanford
- Professor (By courtesy), Chemistry
- Member, Bio-X
- Member, Stanford Cancer Institute
- Faculty Fellow, Stanford ChEM-H

HONORS AND AWARDS

- Human Frontier Science Program Young Investigator, Human Frontier Science Program (2007-2010)
- Career Award at the Scientific Interface, Burroughs Wellcome (2002-2007)
- Merck Fellow, Damon Runyon Cancer Research Fund (1999-2001)

PROFESSIONAL EDUCATION

- Ph.D., Harvard University, Chemistry (1999)

LINKS

- <http://raolab.stanford.edu>: <http://raolab.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Probe chemistry and nanotechnology for molecular imaging and diagnostics

CLINICAL TRIALS

- Biodistribution&Pharmacokinetic of Position Emission Tomography(PET) Radiopharmaceutical 18F C SNAT4, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Min Chen, Liyang Cui, Ran Mu, Joanna Wang, Kaixiang Zhou

Doctoral Dissertation Advisor (AC)

Tingting Dai

Postdoctoral Research Mentor

Elaine Ng

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biophysics (Phd Program)
- Cancer Biology (Phd Program)

Publications

PUBLICATIONS

- **Carbon-coated FeCo nanoparticles as sensitive magnetic-particle-imaging tracers with photothermal and magnetothermal properties.** *Nature biomedical engineering*
Song, G., Kenney, M., Chen, Y. S., Zheng, X., Deng, Y., Chen, Z., Wang, S. X., Gambhir, S. S., Dai, H., Rao, J.
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2020
- **Pre-targeted Imaging of Protease Activity Via In Situ Assembly of Nanoparticles.** *Angewandte Chemie (International ed. in English)*
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- **A biocompatible condensation reaction for controlled assembly of nanostructures in living cells** *Nature Chemistry*
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- **Engineered algae: A novel oxygen-generating system for effective treatment of hypoxic cancer.** *Science advances*
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- **Different PEG-PLGA Matrices Influence In Vivo Optical/Photoacoustic Imaging Performance and Biodistribution of NIR-Emitting #-Conjugated Polymer Contrast Agents.** *Advanced healthcare materials*
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