Stanford

James Z. Hui

- Postdoctoral Medical Fellow, Radiology
- Resident in Radiology

Bio

CLINICAL FOCUS

- Interventional Radiology
- Residency

HONORS AND AWARDS

- Moskowitz Research Award, Stanford Radiology Residency (2020)
- Resident Research Grant, Society of Interventional Radiology (2020)
- Resident/Fellow Travel Award, Society of Interventional Oncology (2020)
- Mary Ellis Bell Prize Research Paper Prize Competition, Perelman School of Medicine at University of Pennsylvania (2017)
- RSNA-APSA Introduction to Academic Radiology Traveling Award, RSNA-APSA (2016)
- Traveling Award, Antibody Engineering & Therapeutics Conference, Antibody Engineering & Therapeutics Conference (2015)
- Paul and Daisy Soros Fellowship for New Americans, Paul and Daisy Soros Foundation (2013)
- PennAPPS Programming Hackathon, University of Pennsylvania (2013)
- PennVention 2013 Competition Third Place, University of Pennsylvania (2013)
- Weiss Tech House Innovation Fund Recipient, University of Pennsylvania School of Engineering (2013)
- Wharton Business Plan Competition Semifinalist, Wharton School at University of Pennsylvania (2013)
- World Molecular Imaging Congress Conference Travel Award, World Molecular Imaging Congress (WMIC)/ World Molecular Imaging Society (WMIS) (2013)
- Wharton Medtronic Penn Case Competition, 1st place, Wharton School at University of Pennsylvania (2012)
- Howard Hughes Medical Institute -NIBIB Biomedical Imaging Interface Program Fellowship, Howard Hughes Medical Institute -NIBIB (2009-2017)
- Howard Hughes Undergraduate Research Scholar, UCLA-Howard Hughes Medical Institute (2007-2009)

PROFESSIONAL EDUCATION

- M.D., Perelman School of Medicine at University of Pennsylvania , Medicine (2017)
- Ph.D., University of Pennsylvania , Bioengineering (2015)
- B.S., University of California Los Angeles , Biochemistry and Biomedical Research (2009)

Publications

PUBLICATIONS

- **Diagnostic performance of lower extremity Doppler ultrasound in detecting iliocaval obstruction.** *Journal of vascular surgery. Venous and lymphatic disorders*

Hui, J. Z., Goldman, R. E., Mabud, T. S., Arendt, V. A., Kuo, W. T., Hofmann, L. V.
2020

- **Quantitative Control of Gene-Engineered T-Cell Activity through the Covalent Attachment of Targeting Ligands to a Universal Immune Receptor.** *Journal of the American Chemical Society*
  Minutolo, N. G., Sharma, P., Poussin, M., Shaw, L. C., Brown, D. P., Hollander, E. E., Smole, A., Rodriguez-Garcia, A., Hui, J. Z., Zappala, F., Tsourkas, A., Powell, D. J.
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- **In Vivo Effects of Retrobulbar Bimatoprost Injection on Orbital Fat**
  Eftekhari, K., Vagefi, M., Lee, V., Hui, J. Z., Zhu, M., Dine, K., Anderson, R. L., Koeberlein, B., Sulaimankutty, R., Shindler, K. S.
  LIPPINCOTT WILLIAMS & WILKINS.2018: 201–4

- **Site-specific antibody-liposome conjugation through copper-free click chemistry: a molecular biology approach for targeted photodynamic therapy**
  Obaid, G., Wang, Y., Kuriakose, J., Broekgaarden, M., Alkhateeb, A., Bulin, A., Hui, J., Tsourkas, A., Hasan, T., Kessel, D. H., Hasan, T.
  SPIE-INT SOC OPTICAL ENGINEERING.2016

- **Biodistribution, Clearance, and Toxicology of Polymeric Micelles Loaded with 0.9 or 5 nm Gold Nanoparticles** *JOURNAL OF BIOMEDICAL NANOTECHNOLOGY*
  Al Zaki, A., Hui, J. Z., Higbee, E., Tsourkas, A.
  2015; 11 (10): 1836–46

- **LASIC: Light Activated Site-Specific Conjugation of Native IgGs** *BIOCONJUGATE CHEMISTRY*
  Hui, J. Z., Tamsen, S., Song, Y., Tsourkas, A.
  2015; 26 (8): 1456–60

- **Optimization of Photoactive Protein Z for Fast and Efficient Site-Specific Conjugation of Native IgG** *BIOCONJUGATE CHEMISTRY*
  Hui, J. Z., Tsourkas, A.
  2014; 25 (9): 1709–19

- **Facile Method for the Site-Specific, Covalent Attachment of Full-Length IgG onto Nanoparticles** *SMALL*
  Hui, J., Al Zaki, A., Cheng, Z., Popik, V., Zhang, H., Prak, E., Tsourkas, A.
  2014; 10 (16): 3354–63

- **VOLUME AND COMPOSITION OF REFLUX AFTER INTRAVITREAL INJECTION** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
  Brodie, F. L., Ruggiero, J., Ghodasra, D. H., Hui, J. Z., Vanderbeek, B. L., Brucker, A. J.
  2014; 34 (7): 1473–76

- **A Novel Method for the Measurement of Reflux from Intravitreal Injections: Data from 20 Porcine Eyes** *CURRENT EYE RESEARCH*
  Brodie, F. L., Ruggiero, J., Ghodasra, D. H., Eftekhari, K., Hui, J. Z., Brucker, A. J., VanderBeek, B. L.
  2014; 39 (7): 752–57

- **Research Highlights: highlights from the latest articles in nanomedicine.** *Nanomedicine (London, England)*
  Luby, B. M., Farhadi, A., Shakiba, M., Charron, D. M., Roxin, A., Zheng, G.
  2014; 9 (4): 385–88

- **Multifunctional Nanoparticles: Cost Versus Benefit of Adding Targeting and Imaging Capabilities** *SCIENCE*
  Cheng, Z., Al Zaki, A., Hui, J. Z., Muzykantov, V. R., Tsourkas, A.
  2012; 338 (6109): 903–10

- **Simultaneous Quantification of Tumor Uptake for Targeted and Nontargeted Liposomes and Their Encapsulated Contents by ICPMS** *ANALYTICAL CHEMISTRY*
  Cheng, Z., Al Zaki, A., Hui, J. Z., Tsourkas, A.
  2012; 84 (17): 7578–82

- **Improving nanoparticle delivery with anti-angiogenesis therapy** *NANOMEDICINE*
  Hui, J. Z., Al Zaki, A., Tsourkas, A.
  2012; 7 (7): 949–50

- **Synergizing radiation therapy with drug-loaded nanovectors** *NANOMEDICINE*

[Anonymous]
2012; 7 (7): 950–51

- **Enhancing the cell uptake of nanoparticles within tumors** *NANOMEDICINE*
  [Anonymous]
  2012; 7 (7): 951

- **Targeted and drug-loaded micelles** *NANOMEDICINE*
  [Anonymous]
  2012; 7 (7): 951–52

- **Probability fold change: A robust computational approach for identifying differentially expressed gene lists** *COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE*
  Deng, X., Xu, J., Hui, J., Wang, C.
  2009; 93 (2): 124–39

- **Innate immunity and transcription of MGAT-III and Toll-like receptors in Alzheimer's disease patients are improved by bisdemethoxycurcumin** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Fiala, M., Liu, P. T., Espinosa-Jeffrey, A., Rosenthal, M. J., Bernard, G., Ringman, J. M., Sayre, J., Zhang, L., Zaghi, J., Dejbakhsh, S., Chiang, B., Hui, J., Mahanian, et al
  2007; 104 (31): 12849–54