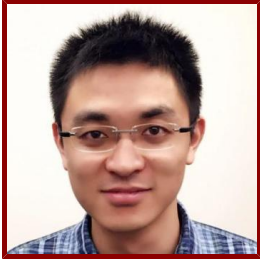


# Stanford

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## You Li

Postdoctoral Scholar, Radiology

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### Bio

#### INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

#### HONORS AND AWARDS

- New Investigator Award for Basic Science, American Institute of Ultrasound in Medicine (2021)

#### PROFESSIONAL EDUCATION

- Master of Science, Duke University (2011)
- Doctor of Philosophy, Duke University (2017)

#### PATENTS

- Jeremy Dahl, You Li. "United States Patent 10,111,644 Method of coherent flow imaging using synthetic transmit focusing and acoustic reciprocity", Leland Stanford Junior University, Oct 30, 2018

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### Research & Scholarship

#### LAB AFFILIATIONS

- Jeremy Dahl, Stanford Ultrasound Research Group (4/12/2018)

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### Publications

#### PUBLICATIONS

- **Real-Time In Vivo Imaging of Human Liver Vasculature Using Coherent Flow Power Doppler: A Pilot Clinical Study** *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*  
Li, Y., Hyun, D., Ducey-Wysling, J., Durot, I., D'Hondt, A., Patel, B., Dahl, J. J.  
2021; 68 (9): 3027-3041
- **Blood Flow Imaging in the Neonatal Brain Using Angular Coherence Power Doppler** *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*  
Jakovljevic, M., Yoon, B., Abou-Elkacem, L., Hyun, D., Li, Y., Rubesova, E., Dahl, J. J.  
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- **Human Placental Vasculature Imaging Using Long Ensemble Angular-coherence-based Doppler**  
Li, Y., Chueh, J., Ness, A., Hyun, D., Jakovljevic, M., Lyell, D., Winn, V., Dahl, J. J., IEEE  
IEEE.2020
- **An Open Source GPU-Based Beamformer for Real-Time Ultrasound Imaging and Applications**  
Hyun, D., Li, Y., Steinberg, I., Jakovljevic, M., Klap, T., Dahl, J. J., IEEE

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- **Vector Flow Velocity Estimation from Beamsummed Data Using Deep Neural Networks**  
Li, Y., Hyun, D., Dahl, J. J., IEEE  
IEEE.2019: 860–63
- **High Sensitivity Liver Vasculature Visualization Using a Real-time Coherent Flow Power Doppler (CFPD) Imaging System: A Pilot Clinical Study**  
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IEEE.2018
- **Angular coherence in ultrasound imaging: Theory and applications** *JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA*  
Li, Y. L., Dahl, J. J.  
2017; 141 (3): 1582-1594
- **Coherence Beamforming and its Applications to the Difficult-to-Image Patient**  
Dahl, J. J., Hyun, D., Li, Y., Jakovljevic, M., Bell, M. L., Long, W. J., Bottenus, N., Kakkad, V., Trahey, G. E., IEEE  
IEEE.2017
- **COHERENT COLOR FLOW IMAGING: VELOCITY ESTIMATION USING COHERENT SIGNALS**  
Dahl, J. J., Li, Y., IEEE  
IEEE.2017: 240–43
- **Visualization of Small-Diameter Vessels by Reduction of Incoherent Reverberation With Coherent Flow Power Doppler.** *IEEE transactions on ultrasonics, ferroelectrics, and frequency control*  
Li, Y. L., Hyun, D., Abou-Elkacem, L., Willmann, J. K., Dahl, J. J.  
2016; 63 (11): 1878-1889
- **Coherent Flow Power Doppler (CFPD): Flow Detection Using Spatial Coherence Beamforming** *IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL*  
Li, Y. L., Dahl, J. J.  
2015; 62 (6): 1022-1035
- **Coherence Beamforming Applied to Velocity Estimation and Partially Coherent Signals** *2015 IEEE INTERNATIONAL ULTRASONICS SYMPOSIUM (IUS)*  
Dahl, J. J., Li, Y., Hyun, D., Doherty, J. R.  
2015
- **Small-diameter Vasculature Detection with Coherent Flow Power Doppler Imaging** *IEEE International Ultrasonics Symposium (IUS)*  
You, L., Dahl, J. J.  
2015
- **Flow Detection based on the Spatial Coherence of Backscattered Echoes**  
Li, Y., Dahl, J. J., IEEE  
IEEE.2014: 428–31
- **Quantitative Surface-Enhanced Resonant Raman Scattering Multiplexing of Biocompatible Gold Nanostars for in Vitro and ex Vivo Detection** *ANALYTICAL CHEMISTRY*  
Yuan, H., Liu, Y., Fales, A. M., Li, Y., Liu, J., Vo-Dinh, T.  
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- **Multispectral nanoparticle contrast agents for true-color spectroscopic optical coherence tomography** *BIOMEDICAL OPTICS EXPRESS*  
Li, Y., Seekell, K., Yuan, H., Robles, F. E., Wax, A.  
2012; 3 (8): 1914–23