

# Stanford

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## Adam Michael Bush

Postdoctoral Research Fellow, Radiology

### Bio

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#### HONORS AND AWARDS

- Cardiovascular Institute: T32 Imaging Fellow, Stanford University

#### PROFESSIONAL EDUCATION

- Bachelor of Science, Loyola Marymount University (2009)
- Master of Science, University of Southern California (2014)
- Doctor of Philosophy, University of Southern California (2017)

### Research & Scholarship

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#### LAB AFFILIATIONS

- Shreyas Vasanawala (7/11/2017)

### Publications

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#### PUBLICATIONS

- **Rosette Trajectories Enable Ungated, Motion-Robust, Simultaneous Cardiac and Liver T2 \* Iron Assessment.** *Journal of magnetic resonance imaging : JMRI*  
Bush, A. M., Sandino, C. M., Ramachandran, S., Ong, F., Dwork, N., Zucker, E. J., Syed, A. B., Pauly, J. M., Alley, M. T., Vasanawala, S. S.  
2020: e27196
- **Transient Hypoxia Model Revealed Cerebrovascular Impairment in Anemia Using BOLD MRI and Near-Infrared Spectroscopy.** *Journal of magnetic resonance imaging : JMRI*  
Coloigner, J., Vu, C., Borzage, M., Bush, A., Choi, S., Miao, X., Chai, Y., Galarza, C., Lepore, N., Tamrazi, B., Coates, T. D., Wood, J. C.  
2020
- **Anemia Predicts Lower White Matter Volume and Cognitive Performance in Sickle and Non-Sickle Cell Anemia Syndrome.** *American journal of hematology*  
Soyoung Choi, B. A., O'Neil, S. H., Joshi, A. A., Li, J., Bush, A. M., Coates, T. D., Leahy, R. M., Wood, J. C.  
2019
- **White Matter Has Impaired Resting Oxygen Delivery in Sickle Cell Patients.** *American journal of hematology*  
Chai, Y., Bush, A. M., Coloigner, J., Nederveen, A. J., Tamrazi, B., Vu, C., Choi, S., Coates, T. D., Lepore, N., Wood, J. C.  
2019
- **Hemolysis and Tricuspid Regurgitation Jet Velocity Predict Mortality in Patients with Sickle Cell Disease**  
Shah, P., Bush, A., Suriyani, S., Liu, H., Forman, H. J., Chalacheva, P., Thuptimdang, W., Sunwoo, J., Veluswamy, S., Denton, C., Khaleel, M., Kato, R., Perumbeti, et al  
AMER SOC HEMATOLOGY.2018

- **Diminished cerebral oxygen extraction and metabolic rate in sickle cell disease using T2 relaxation under spin tagging MRI** *MAGNETIC RESONANCE IN MEDICINE*  
Bush, A. M., Coates, T. D., Wood, J. C.  
2018; 80 (1): 294–303
  
- **Pseudo continuous arterial spin labeling quantification in anemic subjects with hyperemic cerebral blood flow** *MAGNETIC RESONANCE IMAGING*  
Bush, A., Chai, Y., Choi, S., Vaclavu, L., Holland, S., Nederveen, A., Coates, T., Wood, J.  
2018; 47: 137–46
  
- **oximetry.** *Magnetic resonance in medicine*  
Bush, A., Borzage, M., Detterich, J., Kato, R. M., Meiselman, H. J., Coates, T., Wood, J. C.  
2017; 77 (6): 2364-2371
  
- **Determinants of resting cerebral blood flow in sickle cell disease** *AMERICAN JOURNAL OF HEMATOLOGY*  
Bush, A. M., Borzage, M. T., Choi, S., Vaclavu, L., Tamrazi, B., Nederveen, A. J., Coates, T. D., Wood, J. C.  
2016; 91 (9): 912-917