

# Stanford

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## Ryan Brunsing

Clinical Assistant Professor, Radiology

Curriculum Vitae available Online

### CLINICAL OFFICE (PRIMARY)

- Diagnostic Radiology

300 Pasteur Dr Rm S092

MC 5105

Stanford, CA 94305

Tel (650) 723-4527      Fax (650) 723-1909

### Bio

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### CLINICAL FOCUS

- Diagnostic Radiology
- Hepatobiliary and pancreatic MRI
- PET/MRI

### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Radiology

### ADMINISTRATIVE APPOINTMENTS

- Director of MRI, Stanford Hospitals and Clinics, (2021- present)
- Member, Minimally Invasive MR Interventional Center (MIMRIC), (2019- present)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, LI-RADS Steering Committee (2021 - present)

### PROFESSIONAL EDUCATION

- Residency: UCSD Dept of Radiology (2018) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2019)
- Fellowship: Stanford University Body Imaging Fellowship (2018) CA
- Internship: Newton-Wellesley Hospital Transitional Year (2014) MA
- Medical Education: University of New Mexico School of Medicine (2013) NM
- PhD, University of New Mexico , Biomedical Sciences, Immunology (2013)
- BS, University of California San Diego , Majors in Physics & Molecular Biology (2002)

## LINKS

- LinkedIn Profile: <https://www.linkedin.com/in/ryanbrunsing>

## Research & Scholarship

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### CLINICAL TRIALS

- Safety and Diagnostic Efficacy of Mangoral in Participants With Focal Liver Lesions and Reduced Kidney Function, Not Recruiting

### Publications

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#### PUBLICATIONS

- Matrix viscoelasticity promotes liver cancer progression in the pre-cirrhotic liver.** *Nature*  
Fan, W., Adebowale, K., Váncza, L., Li, Y., Rabbi, M. F., Kunimoto, K., Chen, D., Mozes, G., Chiu, D. K., Li, Y., Tao, J., Wei, Y., Adeniji, et al  
2024
- MR-guided focused ultrasound therapy of extra-abdominal desmoid tumors: a multicenter retrospective study of 105 patients.** *European radiology*  
Düx, D. M., Baal, J. D., Bitton, R., Chen, J., Brunsing, R. L., Sheth, V. R., Rosenberg, J., Kim, K., Ozhinsky, E., Avedian, R., Ganjoo, K., Bucknor, M., Dobrotwir, et al  
2023
- Rare Presentation of Paroxysmal High B-Pee.** *Hypertension (Dallas, Tex. : 1979)*  
Bradshaw, C., Abounasr, A., Brunsing, R. L., Kao, C. S., Reejhsinghani, R., Annes, J. P., Chung, B. I., Mihm, F., Bhalla, V.  
2023
- Rapid fat-water separated T1 mapping using a single shot radial inversion-recovery spoiled gradient recalled pulse sequence.** *NMR in biomedicine*  
Li, Z., Matheu, M., Syed, A. B., Feng, L., Brunsing, R., Pauly, J. M., Vasanawala, S. S.  
2022
- Quantification of the Hemodynamic Changes of Cirrhosis with Free-Breathing Self-Navigated MRI.** *Journal of magnetic resonance imaging : JMRI*  
Brunsing, R. L., Brown, D., Almahoud, H., Kono, Y., Loomba, R., Vodkin, I., Sirlin, C. B., Alley, M. T., Vasanawala, S. S., Hsiao, A.  
2021
- Convolutional neural network-automated hepatobiliary phase adequacy evaluation may optimize examination time.** *European journal of radiology*  
Cunha, G. M., Hasenstab, K. A., Higaki, A. n., Wang, K. n., Delgado, T. n., Brunsing, R. L., Schlein, A. n., Schwartzman, A. n., Hsiao, A. n., Sirlin, C. B., Fowler, K. J.  
2020; 124: 108837
- Alternative approach of hepatocellular carcinoma surveillance: abbreviated MRI.** *Hepatoma research*  
Brunsing, R. L., Fowler, K. J., Yokoo, T. n., Cunha, G. M., Sirlin, C. B., Marks, R. M.  
2020; 6
- Gadoxetate-enhanced Abbreviated MRI for Hepatocellular Carcinoma Surveillance: Preliminary Experience.** *Radiology. Imaging cancer*  
Brunsing, R. L., Chen, D. H., Schlein, A., Wolfson, T., Gamst, A., Mamidipalli, A., Violi, N. V., Marks, R. M., Taouli, B., Loomba, R., Kono, Y., Sirlin, C. B.  
2019; 1 (2): e190010
- Data-driven self-calibration and reconstruction for non-cartesian wave-encoded single-shot fast spin echo using deep learning.** *Journal of magnetic resonance imaging : JMRI*  
Chen, F. n., Cheng, J. Y., Taviani, V. n., Sheth, V. R., Brunsing, R. L., Pauly, J. M., Vasanawala, S. S.  
2019
- Fully automated convolutional neural network-based affine algorithm improves liver registration and lesion co-localization on hepatobiliary phase T1-weighted MR images.** *European radiology experimental*  
Hasenstab, K. A., Cunha, G. M., Higaki, A. n., Ichikawa, S. n., Wang, K. n., Delgado, T. n., Brunsing, R. L., Schlein, A. n., Bittencourt, L. K., Schwartzman, A. n., Fowler, K. J., Hsiao, A. n., Sirlin, et al  
2019; 3 (1): 43
- Deep residual network for off-resonance artifact correction with application to pediatric body MRA with 3D cones.** *Magnetic resonance in medicine*  
Zeng, D. Y., Shaikh, J. n., Holmes, S. n., Brunsing, R. L., Pauly, J. M., Nishimura, D. G., Vasanawala, S. S., Cheng, J. Y.

2019

Ryan Brunsing  
[http://cap.stanford.edu/profiles/Ryan\\_Brunsing/](http://cap.stanford.edu/profiles/Ryan_Brunsing/)

- **Restriction Spectrum Imaging: An Evolving Imaging Biomarker in Prostate MRI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*  
Brunsing, R. L., Schenker-Ahmed, N. M., White, N. S., Parsons, J., Kane, C., Kuperman, J., Bartsch, H., Kader, A., Rakow-Penner, R., Seibert, T. M., Margolis, D., Raman, S. S., McDonald, et al  
2017; 45 (2): 323–36
- **The Incidence of Pulmonary Embolism and Associated FDG-PET Findings in IV Contrast-Enhanced PET/CT** *ACADEMIC RADIOLOGY*  
Flavell, R. R., Behr, S. C., Brunsing, R. L., Naeger, D. M., Pampaloni, M.  
2014; 21 (6): 718–25
- **The incidence of pulmonary embolism and associated FDG-PET findings on IV contrast enhanced PET/CT**  
Flavell, R., Behr, S., Brunsing, R., Naeger, D., Pampaloni, M.  
SOC NUCLEAR MEDICINE INC.2014
- **The G Protein-coupled Estrogen Receptor.(GPER) Agonist G-1 Expands the Regulatory T-cell Population Under T(H)17-polarizing Conditions** *JOURNAL OF IMMUNOTHERAPY*  
Brunsing, R. L., Owens, K. S., Prossnitz, E. R.  
2013; 36 (3): 190–96
- **Induction of interleukin-10 in the T helper type 17 effector population by the G protein coupled estrogen receptor (GPER) agonist G-1** *IMMUNOLOGY*  
Brunsing, R. L., Prossnitz, E. R.  
2011; 134 (1): 93–106
- **Signaling through the membrane-bound estrogen receptor GPR30 induces MO and IL17A expression in Th17 cells**  
Brunsing, R., Hathaway, H., Prossnitz, E.  
AMER ASSOC IMMUNOLOGISTS.2010
- **B- and T-cell development both involve activity of the unfolded protein response pathway** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Brunsing, R., Omori, S. A., Weber, F., Bicknell, A., Friend, L., Rickert, R., Niwa, M.  
2008; 283 (26): 17954–61