Stanford

Ryan Brunsing

Clinical Assistant Professor, Radiology

Curriculum Vitae available Online

CLINICAL OFFICES

- **Diagnostic Radiology**

  300 Pasteur Dr Rm S092

  MC 5105

  Stanford, CA 94305

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

Bio

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

- Board Certification: Diagnostic Radiology, American Board of Radiology (2019)
- Fellowship: Stanford University Body Imaging Fellowship (2018) CA
- Residency: UCSD Radiology Residency (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

Publications

PUBLICATIONS

- **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

- **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