Stanford

Marco Barbieri

Postdoctoral Scholar, Radiology

Bio

HONORS AND AWARDS

- Junior Fellow of the Society, International Society of Magnetic Resonance in Medicine (ISMRM) (Jun 2023)

STANFORD ADVISORS

- Feliks Kogan, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Correction to: Multimodal positron emission tomography (PET) imaging in non-oncologic musculoskeletal radiology.** *Skeletal radiology*
  Kogan, F., Yoon, D., Teeter, M. G., Chaudhari, A. J., Hales, L., Barbieri, M., Gold, G. E., Vainberg, Y., Goyal, A., Watkins, L.
  2024

- **Multimodal positron emission tomography (PET) imaging in non-oncologic musculoskeletal radiology.** *Skeletal radiology*
  Kogan, F., Yoon, D., Teeter, M. G., Chaudhari, A. J., Hales, L., Barbieri, M., Gold, G. E., Vainberg, Y., Goyal, A., Watkins, L.
  2024

- **[Formula: see text] Field inhomogeneity correction for qDESS [Formula: see text] mapping: application to rapid bilateral knee imaging.** *Magma (New York, N.Y.)*
  Barbieri, M., Watkins, L. E., Mazzoli, V., Desai, A. D., Rubin, E., Schmidt, A., Gold, G. E., Hargreaves, B. A., Chaudhari, A. S., Kogan, F.
  2023

- **A method for measuring B0 field inhomogeneity using quantitative double-echo in steady-state.** *Magnetic resonance in medicine*
  Barbieri, M., Chaudhari, A. S., Moran, C. J., Gold, G. E., Hargreaves, B. A., Kogan, F.
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- **Circumventing the curse of dimensionality in magnetic resonance fingerprinting through a deep learning approach.** *NMR in biomedicine*
  Barbieri, M., Lee, P. K., Brizi, L., Giampieri, E., Solera, F., Castellani, G., Hargreaves, B. A., Testa, C., Lodi, R., Remondini, D.
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- **A deep learning approach for magnetic resonance fingerprinting: Scaling capabilities and good training practices investigated by simulations.** *Physica medica : PM : an international journal devoted to the applications of physics to medicine and biology : official journal of the Italian Association of Biomedical Physics (AIFB)*
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- **Characterization of Structural Bone Properties through Portable Single-Sided NMR Devices: State of the Art and Future Perspectives.** *International journal of molecular sciences*
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- **Single-sided NMR to estimate morphological parameters of the trabecular bone structure.** *Magnetic resonance in medicine*
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- **Single-sided NMR for the diagnosis of osteoporosis: Diffusion weighted pulse sequences for the estimation of trabecular bone volume fraction in the presence of muscle tissue**
  Barbieri, M., Brizi, L., Bortolotti, V., Fantazzini, P., d'Eurydice, M., Obruchkov, S., Liu, H., Galvosas, P.
  ELSEVIER SCIENCE BV.2018: 166–70

- **Bone volume-to-total volume ratio measured in trabecular bone by single-sided NMR devices** *MAGNETIC RESONANCE IN MEDICINE*
  Brizi, L., Barbieri, M., Baruffaldi, F., Bortolotti, V., Fersini, C., Liu, H., d'Eurydice, M., Obruchkov, S., Zong, F., Galvosas, P., Fantazzini, P.
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