

Stanford

Lianli Liu

Clinical Assistant Professor, Radiation Oncology - Radiation Physics

Bio

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Radiation Oncology - Radiation Physics

Teaching

COURSES

2023-24

- AI and Data Driven Methods in Biomedical Imaging and Physics: BMP 254 (Aut)

Publications

PUBLICATIONS

- **Real Time Volumetric MRI for 3D Motion Tracking via Geometry-Informed Deep Learning.** *Medical physics*
Liu, L., Shen, L., Johansson, A., Balter, J. M., Cao, Y., Chang, D., Xing, L.
2022
- **Volumetric prediction of breathing and slow drifting motion in the abdomen using radial MRI and multi-temporal resolution modeling.** *Physics in medicine and biology*
Liu, L., Johansson, A., Cao, Y., Lawrence, T. S., Balter, J. M.
2021; 66 (17)
- **Modeling intra-fractional abdominal configuration changes using breathing motion-corrected radial MRI** *PHYSICS IN MEDICINE AND BIOLOGY*
Liu, L., Johansson, A., Cao, Y., Kashani, R., Lawrence, T. S., Balter, J. M.
2021; 66 (8)