

Stanford



Rakesh Manjappa

Postdoctoral Research Fellow, Radiation Therapy

Bio

PROFESSIONAL EDUCATION

- Bachelor of Technology, Indian Institute of Technology Delhi (2011)
- Doctor of Philosophy, Indian Institute of Science (2018)

STANFORD ADVISORS

- Billy Loo, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Billy Loo (2/14/2019)

Publications

PUBLICATIONS

- **Abdominal FLASH irradiation reduces radiation-induced gastrointestinal toxicity for the treatment of ovarian cancer in mice.** *Scientific reports*
Levy, K., Natarajan, S., Wang, J., Chow, S., Eggold, J. T., Loo, P. E., Manjappa, R., Melemenidis, S., Lartey, F. M., Schüler, E., Skinner, L., Rafat, M., Ko, et al
2020; 10 (1): 21600
- **FLASH Irradiation Results in Reduced Severe Skin Toxicity Compared to Conventional-Dose-Rate Irradiation.** *Radiation research*
Soto, L. A., Casey, K. M., Wang, J., Blaney, A., Manjappa, R., Bretkreutz, D., Skinner, L., Dutt, S., Ko, R. B., Bush, K., Yu, A. S., Melemenidis, S., Strober, et al
2020
- **Fully 3D refraction correction dosimetry system** *PHYSICS IN MEDICINE AND BIOLOGY*
Manjappa, R., Makki, S., Kumar, R., Vasu, R., Kanhirodan, R.
2016; 61 (4): 1722–37
- **Effects of refractive index mismatch in optical CT imaging of polymer gel dosimeters** *MEDICAL PHYSICS*
Manjappa, R., Makki, S. S., Kumar, R., Kanhirodan, R.
2015; 42 (2): 750–59
- **Ray tracing based path-length calculations for polarized light tomographic imaging**
Manjappa, R., Kanhirodan, R., Shaw, J. A., LeMaster, D. A.
SPIE-INT SOC OPTICAL ENGINEERING.2015
- **Sparse Recovery Methods Hold Promise for Diffuse Optical Tomographic Image Reconstruction** *IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS*
Prakash, J., Shaw, C. B., Manjappa, R., Kanhirodan, R., Yalavarthy, P. K.
2014; 20 (2)