

# Stanford

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## Louise Kiru

Postdoctoral Research Fellow, Radiation Physics

### Bio

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#### HONORS AND AWARDS

- Women in Molecular Imaging Network Scholar Award, World Molecular Imaging Society (2017)
- Travel Grant, Stanford Bio-X (2017)
- Travel Grant, World Molecular Imaging Society (2017)
- IMPACT PhD scholarship, University College London (2012 - 2016)
- Travel Grant, Guarantors of Brain (2015)

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#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Co-chair, Young Molecular Imaging Community in the United Kingdom, European Society of Molecular Imaging (2015 - 2018)

#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University College London (2016)
- Master of Research, Imperial College London , Biomedical Research (2012)
- Bachelor of Science, University of Leicester , Medical Biochemistry (2010)

#### STANFORD ADVISORS

- Guillem Pratx, Postdoctoral Faculty Sponsor
- Guillem Pratx, Postdoctoral Research Mentor

#### PATENTS

- Martin Pulé, Adam Badar, Louise Kiru, Mark Lythgoe, Adrien Peters. "United States Patent 20170056534 Detecting a Therapeutic Cell", University College London, Mar 2, 2017

#### LINKS

- Molecular Imaging Program at Stanford (MIPS): <http://med.stanford.edu/mips.html>

### Publications

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#### PUBLICATIONS

- **Lactic Acid Accumulation in the Tumor Microenvironment Suppresses F-18-FDG Uptake** *CANCER RESEARCH*  
Turkcan, S., Kiru, L., Naczynski, D. J., Sasportas, L. S., Pratx, G.  
2019; 79 (2): 410–19

- **Single-Cell Imaging Using Radioluminescence Microscopy Reveals Unexpected Binding Target for [18F]HFB** *MOLECULAR IMAGING AND BIOLOGY*  
Kiru, L., Kim, T., Shen, B., Chin, F. T., Pratz, G.  
2018; 20 (3): 378–87
- **Fluorescence-guided development of a tricistronic vector encoding bimodal optical and nuclear genetic reporters for in vivo cellular imaging** *EJNMMI RESEARCH*  
Badar, A., Kiru, L., Kalber, T. L., Jathoul, A., Straathof, K., Arstad, E., Lythgoe, M. F., Pule, M.  
2015; 5: 18
- **Neuroprotection against Traumatic Brain Injury by Xenon, but Not Argon, Is Mediated by Inhibition at the N-Methyl-D-Aspartate Receptor Glycine Site** *ANESTHESIOLOGY*  
Harris, K., Armstrong, S. P., Campos-Pires, R., Kiru, L., Franks, N. P., Dickinson, R.  
2013; 119 (5): 1137–48