Stanford



Madeleine Landry

Postdoctoral Scholar, Radiology

Bio

HONORS AND AWARDS

- Stanford Molecular Imaging Scholar (SMIS), Stanford University (NIH T-32) (4/1/2023 - 3/31/2026)
- Predoctoral Drug Delivery Fellowship, PhRMA (1/2022 - 3/2023)
- Herb and Nina Demuth Predoctoral Fellowship, AFPE (9/2020 - 8/2021)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Oregon State University (2023)
- Bachelor of Science, Santa Clara University (2018)
- Master of Science, Oregon State University (2021)
- PhD, Oregon State University , Pharmaceutical Sciences (2023)
- BS, Santa Clara University , Chemistry (2018)

STANFORD ADVISORS

- Corinne Beinat, Postdoctoral Faculty Sponsor

LINKS

- LinkedIn: https://www.linkedin.com/in/madeleine-landry-899422120

Research & Scholarship

LAB AFFILIATIONS

- Corinne Beinat (4/1/2023)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Stanford Molecular Imaging Scholars Program (SMIS) (Fellowship Program)

Publications

PUBLICATIONS

- **Evaluation of treatment efficacy of the 161Tb- and 177Lu-Labeled GRPR antagonists AMTG and RM2 in a mouse model of prostate cancer.** *European journal of nuclear medicine and molecular imaging*
  Günther, T., Moses, A. S., Günther, E., Landry, M. R., Ramaekers, S., Van de Voorde, M., Ooms, M., Ponsard, B., Beinat, C.

2026

- **MUC1-targeting small peptide radiopharmaceuticals for breast cancer.** *EJNMMI radiopharmacy and chemistry*
  Malek, R., Landry, M., Cheung, P., Beinat, C.
  2026

- **Design of messenger RNA vaccines based on lipid-polymer hybrid nanoparticles** *JOURNAL OF CONTROLLED RELEASE*
  Baghel, S., Lokras, A., Dias, B., Landry, M., Cerda, S., Wadhwa, A., Herrera-Barrera, M., Thakur, A., Rades, T., Franzyk, H., Hopkins, C., Sun, C., Christensen, et al
  2025; 388: 114385

- **Participant metabolic state impacts glioma PET imaging: Translational insights from [18F]DASA-10 and FDG**
  Abdi, S., Moses, A., Malek, R., Cheung, P., Landry, M., Recht, L., Beinat, C.
  OXFORD UNIV PRESS INC.2025: v440

- **Cholesterol in mRNA-Lipid Nanoparticles can be Replaced with the Synthetic Mycobacterial Monomycoloyl Glycerol Analogue MMG-1** *ADVANCED FUNCTIONAL MATERIALS*
  Lokras, A. G., Baghel, S. S., Jensen, R. F., Thakur, A., Franzyk, H., Thofte, O., Herrera-Barrera, M., Landry, M., Ongun, M., Tami, A., Thanthrige, M. P., Callens, E., Beinat, et al
  2025

- **Comparison of the Treatment Efficacy of 161Tb-and 177Lu-Labeled GRPR Antagonists in PC3 Tumor-Bearing Mice**
  Gunther, T., Moses, A., Guenther, E., Landry, M., Ramaekers, S., van de Voorde, M., Ooms, M., Ponsard, B., Beinat, C.
  SOC NUCLEAR MEDICINE INC.2025

- **Monitoring of cancer ferroptosis with [18F]hGTS13, a system xc- specific radiotracer.** *Theranostics*
  Moses, A., Malek, R., Kendirli, M. T., Cheung, P., Landry, M., Herrera-Barrera, M., Khojasteh, A., Granucci, M., Bukhari, S. A., Hooper, J. E., Hayden-Gephart, M., Dixon, S. J., Recht, et al
  2025; 15 (3): 836-849

- **An engineered NKp46 antibody for construction of multi-specific NK cell engagers.** *Protein engineering, design & selection : PEDS*
  Lee, R. B., Maddineni, S., Landry, M., Diaz, C., Tashfeen, A., Yamada-Hunter, S. A., Mackall, C. L., Beinat, C., Sunwoo, J. B., Cochran, J. R.
  2024

- **Nanoscale Hafnium Metal-Organic Frameworks Enhance Radiotherapeutic Effects by Upregulation of Type I Interferon and TLR7 Expression** *ADVANCED HEALTHCARE MATERIALS*
  Choi, E., Landry, M., Pennock, N., Neufeld, M., Weinfurter, K., Goforth, A., Walker, J., Sun, C.
  2023; 12 (13): e2202830

- **Peptide-guided lipid nanoparticles deliver mRNA to the neural retina of rodents and nonhuman primates** *SCIENCE ADVANCES*
  Herrera-Barrera, M., Ryals, R. C., Gautam, M., Jozic, A., Landry, M., Korzun, T., Gupta, M., Acosta, C., Stoddard, J., Reynaga, R., Tschetter, W., Jacomino, N., Taratula, et al
  2023; 9 (2): eadd4623

- **Development of a G2/M arrest high-throughput screening method identifies potent radiosensitizers** *TRANSLATIONAL ONCOLOGY*
  Landry, M., Nelson, D., Choi, E., DuRoss, A., Sun, C.
  2022; 16: 101336

- **Fucoidan-coated nanoparticles target radiation-induced P-selectin to enhance chemoradiotherapy in murine colorectal cancer** *CANCER LETTERS*
  DuRoss, A. N., Landry, M. R., Thomas, C. R., Neufeld, M. J., Sun, C.
  2021; 500: 208-219

- **Low dose novel PARP-PI3K inhibition via nanoformulation improves colorectal cancer immunoradiotherapy** *MATERIALS TODAY BIO*
  Landry, M. R., DuRoss, A. N., Neufeld, M. J., Hahn, L., Sahay, G., Luxenhofer, R., Sun, C.
  2020; 8: 100082

- **Lanthanide Metal-Organic Frameworks for Multispectral Radioluminescent Imaging.** *ACS applied materials & interfaces*
  Neufeld, M. J., Winter, H., Landry, M. R., Goforth, A. M., Khan, S., Pratx, G., Sun, C.
  2020

- **Tb-Doped core-shell-shell nanophosphors for enhanced X-ray induced luminescence and sensitization of radiodynamic therapy.** *Biomaterials science*
  Ren, Y. n., Rosch, J. G., Landry, M. R., Winter, H. n., Khan, S. n., Pratx, G. n., Sun, C. n.
  2020
- **Length and Charge of Water-Soluble Peptoids Impact Binding to Phospholipid Membranes** *JOURNAL OF PHYSICAL CHEMISTRY B*
  Landry, M. R., Rangel, J. L., Dao, V. P., MacKenzie, M. A., Gutierrez, F. L., Dowell, K. M., Calkins, A. L., Fuller, A. A., Stokes, G. Y.
  2019; 123 (27): 5822-5831
- **PEGylated beta-NaGdF4/Tb@CaF2 Core/Shell Nanophosphors for Enhanced Radioluminescence and Folate Receptor Targeting** *ACS APPLIED NANO MATERIALS*
  Ren, Y., Winter, H., Rosch, J. G., Jung, K., Duross, A. N., Landry, M. R., Pratx, G., Sun, C.
  2019; 2 (6): 3718–27
- **Micellar Formulation of Talazoparib and Buparlisib for Enhanced DNA Damage in Breast Cancer Chemoradiotherapy** *ACS APPLIED MATERIALS & INTERFACES*
  DuRoss, A. N., Neufeld, M. J., Landry, M. R., Rosch, J. G., Eaton, C. T., Sahay, G., Thomas, C. R., Sun, C.
  2019; 11 (13): 12342-12356