

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

- **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., Pratz, 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., Pratz, 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., Pratz, 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