

Trevor Lyons

PATENT AGENT

Patents and
Innovations

Boston

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FOCUS AREAS

Patents and Innovations

EXPERIENCE

Dr. Trevor Lyons is a patent agent in the Boston office of Wilson Sonsini Goodrich & Rosati, where he is a member of the patents and innovations practice. His technical expertise spans across a variety of fields including inorganic chemistry, polymer chemistry, physical chemistry, semiconductors, and nanomaterials for biological applications.

Trevor received his Ph.D. in chemistry from Georgetown University where his doctoral research focused on the development and evaluation of novel organic-inorganic composite materials for use as magnetic resonance imaging (MRI) contrast agents. During this time, he worked closely with members of an interdisciplinary collaboration comprising medical researchers and physicists. Prior to his education at Georgetown, Trevor conducted research at Western Connecticut State University where he researched conductive metal organic frameworks. He has presented his research at several national conferences including the American Chemical Society national meetings.

CREDENTIALS

Education

- Ph.D., Chemistry, Georgetown University, 2022
- M.S., Chemistry, Georgetown University, 2020
- B.A., Chemistry, Western Connecticut State University, 2017
Minor in Mathematics

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author, "Paramagnetic Mn_8Fe_8 -co-Polystyrene Nanobeads as a Potential T_1 - T_2 Multimodal Magnetic Resonance Imaging Contrast Agent with *In Vivo* Studies," 13(33) *ACS Applied Materials & Interfaces* 39042-39054, 2021
- Co-author, "Paramagnetic Clusters of $Mn_3(O_2CCH_3)_6(Bpy)_2$ in Polyacrylamide Nanobeads as a New Design Approach to a T_1 - T_2 Multimodal Magnetic Resonance Imaging Contrast Agent," 11(20) *ACS Applied Materials & Interfaces* 18153-18164, 2019

TECHNICAL FLUENCY

Therapeutics and Drug Discovery

- Drug conjugates

- Drug delivery
- Small molecules

Diagnostics and Medical Devices

- Medical imaging

Chemistry and Material Science

- Chemical synthesis
- Chemistry
- Materials chemistry
- Nanochemistry
- Organic chemistry
- Organometallics
- Polymers