

## Ngozi A. Eze, Ph.D.

Technology Specialist

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### EDUCATION

Ph.D., Materials Science & Engineering,  
Georgia Institute of Technology  
B.S., Chemistry, Massachusetts  
Institute of Technology

### PRACTICE AREAS

Corporate & Investment Diligence  
Licensing & Transactions  
Patent Opinions  
Patent Prosecution  
Strategic Counseling  
Trade Secrets  
Trademarks

### TECHNOLOGIES

Chemistry & Materials Science  
Industrial Devices  
Life Sciences  
Medical Devices & Diagnostics

### OVERVIEW

Ngozi leverages her diverse research experience in biomedical engineering and materials science and engineering to help clients with the development of strategic patent portfolios. Her work focuses primarily on drafting patent applications and conducting patentability searches in various technologies, such as medical devices, diagnostics, and therapeutic methods. Ngozi's approach to patent prosecution is reinforced by her diverse technical expertise, strong problem solving skills, nuanced creative thinking, and attention to detail.

After graduating from the Massachusetts Institute of Technology with a bachelor's degree in chemistry, Ngozi completed her doctoral studies in materials science and engineering at the Georgia Institute of Technology. At Georgia Tech, Ngozi's research focused on biomolecular engineering of tethered nucleic acid strands under physiologically relevant conditions for biomaterials applications. Her research used analytical flow cytometry and confocal fluorescence microscopy techniques.

As a postdoctoral fellow in biomedical engineering at Worcester Polytechnic Institute, Ngozi explored in vitro mechanotransduction of apoptosis in valvular interstitial cells using soft lithography, cell culture, and confocal fluorescence microscopy techniques.

Returning to MIT as a research specialist, Ngozi drafted research grant proposals, conducted patentability searches, and identified white space opportunities on an array of topics in biological engineering and materials science and engineering, ranging from in vivo cancer theranostics to deep-tissue imaging to renewable biosynthesis of industrially relevant precursors. She also conducted research in bio-mining with yeast using genetic engineering, inductively coupled plasma mass spectrometry (ICP-MS), and confocal fluorescence microscopy techniques. Ngozi is the first author or co-author of original research articles in peer-reviewed journals, such as *Soft Matter* and *Biomacromolecules*.