

## Michael R. Das, Ph.D.

Technology Specialist

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### EDUCATION

Ph.D., Biology, Massachusetts Institute of Technology

B.S. *with high honors*, Biochemistry & Molecular Biology/Biotechnology, Michigan State University

### 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

Michael is a cell biologist and molecular biologist who applies his experience to assist clients in patent prosecution.

Michael's doctoral research focused on intracellular aggregates that can form in neurodegenerative diseases. He found that repetitive RNA molecules could aggregate in the cytoplasm of cells and that the repeat RNAs co-aggregated with repetitive proteins, RNA-binding proteins, and other RNA species. He found that these cytoplasmic aggregates were associated with aberrant translation of the repeat RNAs and ultimately contributed to disease-associated cellular pathologies and toxicity.

Prior to graduate school, Michael studied how heat stress impacted plant hormone signaling and the ability of plants to defend themselves from insects and fungi.

Michael has authored and co-authored research articles in *Proceedings of the National Academy of Sciences*, *Molecular Cell*, and *Plants*.