



Nicholas A. Zachariades, Ph.D.

Counsel

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A skilled patent attorney, Nicholas works with leading research institutions, universities, startups, and medium and large companies on a variety of biotechnology, immunology, small molecule-molecular biology, regenerative medicine, gene editing, virology, vaccines and oncology matters.

With a doctorate in cellular Immunology/Virology and almost two decades of experience in the United States and abroad, Nicholas has written and prosecuted patent applications for several cutting-edge technologies involving:

- CAR-T cells and CAR-NK cells
- Gene-editing complexes
- CRISPR/Cas
- Virology and immunology
- RNA and DNA based therapeutics
- Regenerative medicine
- Stem cells and stem cell therapeutics
- Genetics, molecular genetics, plant genetics, genetically modified plants
- Molecular immunology
- Bioinformatics
- Biochip arrays, DNA and protein chips
- Pharmaceutical and small molecules

A former senior researcher with The National Institute For Communicable Diseases in South Africa who conducted postdoctoral research at Stanford Medical School and Harvard Medical School, Nicholas understands the science behind the patents he reviews. Before becoming an attorney, he researched the molecular genetics of the Ebola, Rift Valley Fever and rabies viruses. He also studied neo-natal immune responses to vaccines given to infants born to HIV-infected mothers.

Nicholas' talents now extend to:

- Patent drafting
- Patent prosecution
- Licensing
- Due diligence
- Validity opinions
- Invalidity opinions

- Freedom-to-operate opinions
- Patentability opinions
- Infringement opinions
- Patentability assessments

Services

- Intellectual Property
- Patents
- Life Sciences
- Pharma & Biotech
- Emerging Companies & Venture Capital

Before Fox Rothschild

Prior to joining Fox Rothschild, Nicholas was special counsel at a national law firm in its Boston office. He also previously served as a partner at an international firm in its South Florida office.

Nicholas's doctoral research focused on cellular immune recognition of pathogens and the mechanisms involved in stimulating immune responses. During his postdoctoral research at Stanford Medical School, he worked on identifying genes in the Major Histocompatibility Complex involved in autoimmune diseases. Nicholas also conducted vaccinology research at Harvard Medical School, where he used *Salmonella typhimurium* as a model and studied the mechanisms of the immune responses generated by different vaccine antigens. He also performed research in South Africa on the molecular genetics of the Ebola, Rift Valley Fever and rabies viruses. There, he set up the vaccinology department and studied neo-natal immune responses to vaccines given to infants born to HIV-infected mothers, for which he was awarded a Major Impact Study grant.

Additionally, Nicholas has taught immunology and virology and has presented at national and international scientific conferences. He is the recipient of prestigious grants from the the Cancer Research Institute, National Institutes of Health and the Poliomyelitis Foundation.

Bar Admissions

- Massachusetts
- District of Columbia
- Florida
- U.S. Patent & Trademark Office

Court Admissions

- U.S. District Court, Northern District of Florida
- U.S. District Court, Middle District of Florida
- U.S. District Court, Southern District of Florida

Education

- New England School of Law (J.D.)
- Emory University (Ph.D.)
 - Cellular Immunology/Virology
- University of Kansas (B.A.)

Memberships

- Invented Here! Committee of Boston Patent Law Association, Co-Chair
- Boston Patent Law Association (2017-present)
- American Intellectual Property Law Association
- American Bar Association
- New York Academy of Sciences

- BioFlorida, Southeastern Chapter, Co-Chair
- Organizing Committee for the Eastern Region Meeting, Association of University Technology Managers
- Boston Bar Association (2000-2004)
- South African Medical and Dental Council (1991-1998)

Languages

- Greek

Honors & Awards

- Selected to the "IAM Patent 1000" list (2025)
- Selected to the "Best Lawyers in America" list for Patent Law in Boston, MA by *Best Lawyers* (2013-2026)
- Recipient of the CALI Excellence for the Future Award: Patent Law (2003)