



## Matthew P.A. Bellefleur, PhD

*Patent Agent*

Utilizing research and prosecution experience to provide value to clients in a wide range of life science-based technologies

Matthew P.A. Bellefleur, PhD, focuses his practice on patent drafting and prosecution in the life sciences. He has experience covering a wide range of technologies, including microbiology; molecular biology; antibodies; engineered or recombinant DNA, RNA, and proteins; genetically modified cells; and nucleotide detection technologies.

Matthew earned his doctoral degree from Arizona State University where his research focused on genetically modified bacteria. Specifically, Matthew investigated the role of bacterial efflux proteins in moving industrially relevant chemicals, including free fatty acids, out of a bacterial cell. Before attending graduate school, Matthew was a research assistant in the Department of Anesthesiology at the University of Michigan Medical School, where he investigated states of sleep and wakefulness. As part of his work, he studied the role of regulator of G protein signaling (RGS) proteins in sleep regulation.

Prior to joining McNeill Baur PLLC, Matthew worked as a technical specialist and patent agent at Saliwanchik, Lloyd & Eisenschenk, where he developed his patent drafting and prosecution skills.

### Select Publications

“Characterizing Active Transportation Mechanisms for Free Fatty Acids and Antibiotics in *Synechocystis* sp. PCC 6803,” *BMC Biotechnology* 19(5), 2019 (coauthor).

“Serotype distribution, antimicrobial susceptibility, antimicrobial resistance genes and virulence genes of *Salmonella* isolated from a pig slaughterhouse in Yangzhou, China,” *AMB Express* 9(210), 1-12, 2019 (coauthor).

“Impact of the Variations in Potential Glycosylation Sites of the Hemagglutinin of H9N2 Influenza Virus,” *Virus Genes* 55, 182-190, 2019, (coauthor).

“Live-Attenuated *Salmonella* Enterica Serotype Choleraesuis Vaccine with Regulated Delayed Fur Mutation Confer Protection against *Streptococcus Suis* in Mice,” *BMC Veterinary Research* 16(129), 1-16, 2020 (coauthor).

### Select Speaking Engagements

Lunch & Learn: UF Innovate | Sid Martin Biotech, “Patentability & Patent Strategy – What to Consider for your IP Portfolio,” November 15, 2022.

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#### Admissions

US Patent and Trademark Office

#### Education

Arizona State University  
PhD, Microbiology, 2018

University of Michigan  
BS, Microbiology, 2012

