



## Daniel A. Blasiolo, Ph.D. Registered Patent Agent

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Madison

Your patent counsel needs to understand your technology. As a registered patent agent, Dan brings to his practice a detailed understanding of experimental science, focused expertise in a number of biotechnological disciplines and extensive, hands-on research experience.

He conducts nearly all aspects of practice before the United States Patent and Trademark Office, including patent prosecution, requests for reexamination, and appeals before the Patent Trial and Appeal Board. In addition, Dan advises on such matters as invalidity opinions, freedom to operate opinions, patentability opinions, licensing agreements, and litigation.

Dan has experience with a number of technologies, including enzymes, antibodies, medical devices, pharmaceutical compounds, cellular reprogramming methods, assays, assay platforms, nutraceutical compositions, disease treatments, nanopositioning systems, chemical manufacturing processes, and mechanical devices, among others.

His practice is informed with his expertise in a number of areas of bioscience, such as biochemistry, cell biology, molecular biology, microbiology, genetics, and genomics. He has researched molecular and cellular mechanisms underlying metabolic disease, particularly the role of certain protein receptors and enzymes in regulating lipid metabolism. He has also contributed to a genetic mapping of mRNA expression and metabolic profiles in an F2 intercross between diabetes-resistant and diabetes-susceptible mouse strains. In addition, he has conducted molecular genetic research on microbial pathogens and developed multiplex real-time PCR viral diagnostic arrays for the U.S. Department of Defense.

### Clients

Dan works with university technology transfer organizations, individual inventors, and companies ranging from startups to multi-national corporations in securing their patent rights both domestically and internationally and in managing their patent portfolios.

## Client Recommendations

“This is really brilliant.... You have won my business.” – *CEO and founder of a biotechnology company, regarding a patent application directed to polymerase enzymes.*

“I was amazed at how thorough a job you did. I could not really come up with any substantial additions to the information that we have talked about.” – *Surgeon and inventor, regarding a patent application directed to a medical device.*

“Kudos to the author of the main body. It is well written, so I have very few comments. Actually, I think we should talk about using it as the basis for a review article.” – *University professor and inventor, regarding a patent application directed to genetically recombinant microorganisms.*

## Dan’s View from the Microscope

### Scientific Publications

- Blasiolo DA, Oler AT, Attie, AD. Regulation of apoB secretion by the LDL receptor requires exit from the cytoplasmic reticulum and interaction with apoE or apoB. *J Biol Chem.* 2008; 25;283(17):11374-81. (Link)
- Ferrara CT, Wang P, Neto EC, Stevens, RD, Bain JR, Wenner BR, Ilkayeva OR, Keller MP, Blasiolo DA, Kendzioriski C, Yandell BS, Newgard CB, Attie AD. Genetic networks of liver metabolism revealed by integration of metabolic and transcriptional profiling. *PLoS Genet.* 2008; 14;4(3):e1000034. (Link)
- Blasiolo DA, Davis RA, Attie AD. The physiological and molecular regulation of lipoprotein assembly and secretion. *Mol Biosyst.* 2007; 3(9):608-19. (Link)
- Nassoury N, Blasiolo DA, Tebon Oler A, Benjannet S, Hamelin J, Poupon V, McPherson PS, Attie AD, Prat A, Seidah NG. The cellular trafficking of the secretory proprotein convertase PCSK9 and its dependence on the LDLR. *Traffic.* 2007; 8(6):718-32. (Link)
- Freed NE, Blasiolo D, Daum L, Metzgar D, Wu J, Russell KL. Detection of influenza A, influenza B, and adenoviruses using single tube fluorogenic PCR with melting curve analysis. In *Strengthening Influenza Pandemic Preparedness through Civil-Military Cooperation*, edited by Neville J and Kisilev OI, pp. 123-128; 2005. Amsterdam: IOS Press.
- Blasiolo DA, Metzgar D, Daum LT, Ryan MA, Wu J, Wills C, Le CT, Freed NE, Hansen CJ, Gray

GC, Russell KL. Molecular analysis of adenovirus isolates from vaccinated and unvaccinated young adults. *J Clin Microbiol.* 2004; 42(4): 1686-93. (Link)

## Representative Patents

- U.S. Patent 8,343,545  
Method of producing microparticles  
University College London  
Web | PDF
- U.S. Patent 8,574,898  
Translation-coupling systems  
Wisconsin Alumni Research Foundation  
Web
- U.S. Patent 8,569,465  
Method for modifying lignin structure using monolignol ferulate conjugates  
Wisconsin Alumni Research Foundation and U.S. Department of Agriculture  
Web | PDF
- U.S. Patent 8,568,448  
Clotting cascade initiating apparatus and methods of use and methods of closing wounds  
CloSys Corporation  
Web | PDF
- U.S. Patent 8,501,220  
Stabilized liquid egg material for extended shelf life  
R&D Lifesciences  
Web | PDF
- U.S. Patent 8,461,136  
Compositions and methods for protecting cells during cancer chemotherapy and radiotherapy  
Wisconsin Alumni Research Foundation  
Web | PDF
- U.S. Patent 8,431,174  
Method to separate lipids from cheese whey  
Wisconsin Alumni Research Foundation  
Web | PDF
- U.S. Patent 8,410,326  
Integrated process and apparatus to produce hydrocarbons from aqueous solutions of lactones, hydroxy-carboxylic acids, alkene-carboxylic acids, and/or alcohols  
Wisconsin Alumni Research Foundation  
Web | PDF

- U.S. Patent 8,404,890  
Production of 2,4-hexadienoic acid and 1,3-pentadiene from 6-methyl-5,6-dihydro-2-pyrone  
Wisconsin Alumni Research Foundation  
[Web](#) | [PDF](#)
- U.S. Patent 8,258,188  
Method of using puniic acid to enhance immune response and prevent metabolic disorders  
Nutrition Therapeutics, Inc.  
[Web](#) | [PDF](#)
- U.S. Patent 8,252,732  
Hydrophilic surfaces for reducing friction forces  
Bayer MaterialScience AG  
[Web](#) | [PDF](#)
- U.S. Patent 8,211,906  
Method of inhibiting growth of neoplastic cells and inhibiting infection by administering an immune enhancer drug  
Lawrence C. Scherrer, M.D.  
[Web](#) | [PDF](#)
- U.S. Patent 8,211,487  
Inhibition of ice crystal growth  
Srinivasan Damodaran, Ph.D.  
[Web](#) | [PDF](#)
- U.S. Patent 8,173,717  
Silicone foams, process to make them and applications thereof  
Zotefoams, PLC.  
[Web](#) | [PDF](#)
- U.S. Patent 8,162,140  
Specimen retention container  
2 View, LLC  
[Web](#) | [PDF](#)
- U.S. Patent 8,093,030  
Thermostable viral polymerases and methods of use  
Lucigen Corporation  
[Web](#) | [PDF](#)
- U.S. Patent 8,088,612  
Thermostable cellulase and methods of use  
C5-6 Technologies, Inc.  
[Web](#) | [PDF](#)
- U.S. Patent 8,084,500  
Method of using catalpic acid to treat dyslipidemia

Nutrition Therapeutics, Inc.

Web | PDF

- U.S. Patent 7,960,164

Selective growth medium for *Listeria* spp

Paradigm Diagnostics, Inc.

Web | PDF

- U.S. Patent 7,834,058

Method of using catalpic acid to treat hyperinsulinemia

Nutrition Therapeutics, Inc.

Web | PDF

- U.S. Patent 7,994,098

Light directed DNA synthesis using inverse capping for error reduction

Wisconsin Alumni Research Foundation

Web | PDF

- U.S. Patent 7,807,636

Bovine P-selectin glycoprotein ligand-1

Wisconsin Alumni Research Foundation

Web | PDF

## Publications

- *Wisconsin Attorneys Desk Reference* – Patent Chapter (with Charles Sara and Navid Fanaeian)

## Expertise

- Intellectual Property
- Biotechnology
- Medical Devices
- Pharmaceuticals

## Education

- Ph.D., Biochemistry, University of Wisconsin-Madison
- M.A., Philosophy of Science, University of California at San Diego
- B.A., Philosophy with Pre-Medical Curriculum, Franklin & Marshall College

## Affiliations

- U.S. Patent and Trademark Office

## Honors

- *Journal of Biological Chemistry* cover image, 2008, Apr. 25; 283(17)
- NIH National Research Service Award, UW Institute on Aging
- NIH National Research Service Award, UW Cardiovascular Research Center
- Salutatorian (class rank of 2) of undergraduate graduating class
- Phi Beta Kappa