

Michael J. Donovan

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ADMISSION TO PRACTICE

United States Patent and Trademark Office – Registration Number 66,197

Arizona State Bar – Bar Number 027962 – Earned third highest score on July 2010 Bar Examination

Teaching and Professional Activities

Arizona State University, College of Health Solutions, Phoenix, AZ

2021-Present

Biomedical Diagnostics Program

Full-time faculty – Assistant Teaching Professor & Program Director

TEACHING:

- Co-Instructor for the following courses:
 - BMD 513 (Immunoassays) (Fall C 2021)
 - BMD 510 (Current Perspectives in Diagnostics) – Fall B (2022)
 - BMD 592 (Applied Research) – Spring B (2022) and Fall A (2022)
 - BMD 593 (Applied Project) – Summer C (2022) and Fall B (2022)
- Instructor for the following courses:
 - BMD 511 (Health Economics) – Spring A (2022, 2023) and Fall B (2023)
 - BMD 562 (Applied Bioethics) – Fall A (2022) and Summer C (2022)
 - BMD 667 (Regulation of Diagnostics) – Fall A (2022) and Spring B (2023)
- Course development:
 - Completely redeveloped BMD 511 and BMD 667, including new assessments, rubrics, learning materials, and lectures
- Guest Lectures:
 - BMI 604 (ethics lectures) and Law 691 (biotechnology patent lectures)
- Mentorship:
 - Provide ongoing mentorship to ASU law student regarding law school and patent practice
 - Engage with current and former BMD students on a variety of academic and applied topics, including serving as a mentor for multiple Applied Projects groups
 - Lead applied projects mentor for Health Informatics MAS student (M. Mosser)
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SERVICE:

- Member, Ad-Hoc Annual Review Committee
- Member, Service Committee
- Chair, BMI/BMD Academics Program Committee
- Member, MAS in Health Informatics CAHIIM Accreditation Group
- Member, Academic Center for Health Science Innovation
- Participant, CHS Mentorship Program (C. Alexon is mentor)
- Member, Peer Review Committee

- Member, Ad-Hoc Promotion Criteria Committee

Grand Canyon University, Colangalo College of Business, Phoenix, AZ

2020-2021

Adjunct Faculty Member – BUS-340 (Legal and Ethical Issues in Business Transactions)

Responsibilities include:

- Organize course topics into functional syllabus and select reading materials for class;
- Organize class materials into presentation that encourages active discussion among students;
- Provide regular evaluations and grade evaluations to provide students feedback related to understanding coursework;
- Actively engage students during class and outside of class to ensure students' have proficient knowledge of subject matter.

Have also served on the committee to redesign BUS-340, with responsibilities including reassessing overall course objectives, redesigning course assignments, and drafting new case assignments.

Arizona State University, Physics Department, Tempe, AZ

2017-2019

Adjunct Faculty Member – NAN506 (Intellectual Property and Innovation Management)

Responsibilities include:

- Organize course topics into functional syllabus and select reading materials for class;
- Organize class materials into presentation that encourages active discussion among students;
- Provide regular evaluations and grade evaluations to provide students feedback related to understanding coursework;
- Engage with outside stakeholders to obtain invention-disclosure paperwork for students' final projects and grade final projects, including presentations; and
- Actively engage students during class and outside of class to ensure students' have proficient knowledge of subject matter.

Arizona Supreme Court's Committee on Examinations, Phoenix, AZ

2018-Present

Chair & Committee Member

Responsibilities include:

- Respond to substantive petitions for review by drafting documents for the Arizona Supreme Court;
- Provide guidance on administration of Arizona bar exam;
- Lead teams of attorneys in grading Arizona bar exam; and
- Analyze and provide input related to exam-related issues, including disability access and permission to take exam

Member, Arizona Supreme Court's Attorney Regulations Committee

2021-Present

Legal

CommonSpirit Health, Phoenix, AZ (formerly known as Dignity Health)

System Director, Intellectual Property / Strategic Innovation

2016 - 2021

Manager, Intellectual Property and Strategic Innovation

Responsibilities include:

- Provide strategic guidance to the organization regarding obtaining, licensing, and enforcing intellectual property rights;
- Interface with internal and external business-development personnel to make determinations regarding intellectual-property strategies;
- Conducting invention-disclosure meetings with inventors;
- Conduct prior art search and analysis of search results;
- Preparation of patent applications and responses to office actions;
- Engage and build relationships with for-profit organizations for commercialization of Dignity Health-owned technologies;
- Engage physicians and healthcare providers to enhance relationship between faculty and Technology Transfer Office to drive participation in the technology-transfer process;
- Draft and review agreements needed for day-to-day operations, including, but not limited to confidentiality agreements, service agreements, license agreements, and independent contractor agreements;
- Conduct legal research on a variety of legal and regulatory matters;
- Work with and manage internal and external resources, including outside counsel, on multiple legal issues, including patent preparation and prosecution;
- Draft license agreements for in-licensing and out-licensing of technologies, including patented and non-patented technologies; and
- Perform extensive due diligence on Dignity-owned and third party-owned intellectual property.

Technologies include diagnostic and prognostic assays in the field of animal and human health, companion diagnostic assays, active pharmaceutical ingredients, precision-medicine technologies, and medical devices.

Translational Genomics Research Institute (TGen), Phoenix, AZ

Intellectual Property Counsel

2013 - 2016

Responsibilities include:

- Provide strategic guidance to the organization regarding obtaining, licensing, and enforcing intellectual property rights;
- Interface with internal and external business-development personnel to make determinations regarding intellectual-property strategies;
- Preparation of provisional, non-provisional, and PCT patent applications;

- Preparation of responses to domestic and international office actions;
- Preparation and prosecution of trademark / service mark applications;
- Engage and build relationships with for-profit organizations for commercialization of TGen-owned technologies;
- Engage TGen faculty to enhance relationship between faculty and Technology Transfer Office to drive participation in the technology-transfer process;
- Draft and review agreements needed for day-to-day operations, including, but not limited to confidentiality agreements, leases, service agreements, and independent-contractor agreements;
- Conduct legal research on a variety of legal and regulatory matters;
- Work with and manage internal and external resources, including outside counsel, on multiple legal issues;
- Draft license agreements for in-licensing and out-licensing of technologies, including patented and non-patented technologies; and
- Perform extensive due diligence on TGen-owned and third party-owned intellectual property.

Technologies include diagnostic and prognostic assays in the field of animal and human health, companion diagnostic assays, active pharmaceutical ingredients, bioinformatics algorithms, and workflow-organization software.

Nominated for 2015 Arizona Corporate Counsel of the Year Award (Intellectual Property) Awarded 2014 First Chair Awards "Rising Star" for work performed at TGen

Polsinelli PC, Phoenix, AZ

2012- 2013

Associate

Primary responsibilities include:

- Preparation of provisional and non-provisional patent applications;
- Preparation of responses to domestic and international office actions; and
- Preparation of non-infringement, invalidity, interference, and freedom to operate analyses.

Secondary duties include patent litigation support, preparation of cease and desist letters, and technology licensing.

Technologies include medical devices including prostheses, prostheses control systems, stents, catheters, and wound management systems, biotechnology, active pharmaceutical ingredients, fermentation-based techniques, sports equipment, including golf equipment, and clean energy systems.

Greenberg Traurig, Phoenix, AZ

2009 –2012

Summer Associate, Law Clerk, and Patent-Prosecution Associate

Primary responsibilities included:

- Preparation of design, provisional, and non-provisional patent applications;

- Preparation of responses to domestic and international office actions;
- Preparation of non-infringement and invalidity opinions; and
- Served as contract in-house patent prosecution counsel for a client, including counseling deputy general counsel and engineering teams on intellectual property-related matters.

Prepared over 150 design, provisional, non-provisional, and PCT patent applications.

Secondary duties include patent litigation support, preparation of cease and desist letters, and technology licensing.

Technologies include hybrid vehicle systems, stop-start “green” automotive starter systems, heating and ventilating systems, in-home ventilation systems, smart-phone applications, medical devices, and mobility systems for disabled individuals.

Kahala Corporation, International Legal Department, Scottsdale, AZ

Summer 2008

Intern

Aided counsel in managing the international trademark portfolios and franchise agreements for 13 different quick service restaurants. Activities include legal research and investigation into litigation matters, drafting and review of contracts, and creation of organizational tools for future use.

Education

Sandra Day O’Connor College of Law, Arizona State University, Tempe, AZ

J.D., *summa cum laude*

Certificates in Law, Science, and Technology, specializing in *Intellectual Property* and *Genomics and Biotechnology*, May 2010

G.P.A.: 94.68 Rank: 2 of 144

Honors:

- Order of the Coif
- Strouse Prize Recipient – Awarded to outstanding law and science graduate
- Outstanding 3L Editor, *Jurimetrics Journal*
- Pedrick Scholar
- Center Scholar, Center for Law, Science, and Technology
- College of Law Scholarship
- Center for Computer-Assisted Legal Instruction awards for top grades in: Civil Procedure, Legal Writing, Copyright Law, Patent Preparation and Prosecution, Technology Licensing, Biotechnology Law and Policy, Criminal Procedure, Trademark Law, Genetics and the Law, Antitrust Law, and Sales and Leases of Goods

Activities:

- Senior Articles Editor, *Jurimetrics: The Journal of Law, Science, and Technology*
- Member, Student Ambassadors
- Member, Law and Science Student Association
- Volunteer, Volunteer Legal Assistance for Artists

Student Member, College of Law Faculty Appointments Committee

University of Notre Dame, Notre Dame, IN

Ph.D. Immunology and Parasitology, May 2007

Honors and Activities: Young Investigator Award – Awarded for excellence in research and presentation
Navari Fellowship – Fully Funded Research Assistantship
Outstanding Teaching Assistant Award
Biology Graduate Student Organization – Treasurer (2003-2004)

University of Michigan, Ann Arbor, MI

B.S. Microbiology, April 2001

Honors and Activities: Edmund Littlefield Fellowship – Awarded for academic excellence and service
Interfraternity Council – Vice President of Financial Affairs (1999-2000)
Chi Psi Fraternity – Summer President and Treasurer (1999-2000)

SCHOLARLY PUBLICATIONS

Legal Publications

MJ Donovan, *Legal Issues Stemming from the Advancement of Pharmacogenomics*, 2010 UCLA J.L. & TECH 1 (2010).

MJ Donovan, *The Impact of “Hurricane” Hannah: The Government’s Decision to Compensate in One Girl’s Vaccine Injury Case Could Drastically Alter the Face of Public Health*, 50 JURIMETRICS J. 229 (2010).

MJ Donovan, *Genetically Modified Insects: Why Do We Need Them and How Will They be Regulated?*, 17 Mo. ENVTL. L. & POL’Y REV. 62 (2010).

MJ Donovan, *The Impact of MedImmune, Inc. v. Genentech, Inc. and Its Progeny on Technology Licensing*, 3 PEPPERDINE J. BUS., ENTREPRENEURSHIP & L. 40 (2010).

Science Publications

MA Bohl et al., *The Barrow Innovation Center: A Model for Training Neurosurgical Innovators*, Congress Quarterly, Congress of Neurological Surgery, June 2020 (<https://www.cns.org/publications/congress-quarterly/congress-quarterly-detail/barrow-innovation-center-model-training-neurosurgi>)

MA Bohl et al., *The Barrow Innovation Center: A Novel Program in Neurosurgery Resident Education and Medical Device Innovation*, 10(2) CUREUS e2142 (2018) (blend of legal and science subjects).

MJ Donovan et al., *Indoleamine 2,3-dioxygenase (IDO) induced by Leishmania infection of human dendritic cells*, 34 PARASITE IMMUNOLOGY 464 (2012).

MJ Donovan et al., *Leishmania Infection Inhibits Cycloheximide-Induced Macrophage Apoptosis in a Strain-Dependent Manner*, 123 EXPERIMENTAL PARASITOLOGY 58 (2009).

A Jayakumar et al., *Leishmania major Infection Activates NF- κ B and Interferon Regulatory Factors 1 and 8 in Human Dendritic Cells*, 76 INFECTION & IMMUNITY 2138 (2008) (second author).

MJ Donovan et al., *Inhibition of Groups One and Two CD1 Molecules on Human Dendritic Cells by Leishmania Species*, 29 PARASITE IMMUNOLOGY 515 (2007).

O Akilov et al., *T Helper Type 1 Cytokines and Keratinocyte Growth Factor Play a Critical Role in Pseudoepitheliomatous Hyperplasia During Cutaneous Leishmaniasis*, 299 ARCHIVES OF DERMATOLOGICAL RESEARCH 315 (2007) (second author).

MJ Donovan et al., *Uninfected Mosquito Bites Confer Protection Against Infection with Malaria Parasites*, 75 INFECTION & IMMUNITY 2523 (2007).

REFERENCES AVAILABLE UPON REQUEST