

# Michael J. Donovan, PhD, JD

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Michael.J.Donovan@asu.edu

## 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

## 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  
Daniel Strouse Prize Recipient – Outstanding law and science graduate  
Outstanding 3L Editor, *Jurimetrics Journal*  
Pedrick Scholar

**Activities:** Senior Articles Editor, *Jurimetrics: The Journal of Law, Science, and Technology*  
Student Member, College of Law Faculty Appointments Committee

**University of Notre Dame, Notre Dame, IN**

Ph.D. Biological Sciences in 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)

## Professional Memberships

- Member, Regulatory Affairs Professional Society

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- Member, Association for Diagnostics and Laboratory Medicine (formerly, American Association of Clinical Chemistry)
- Member, Arizona Society of Health Care Attorneys
- Member, State Bar of Arizona – Intellectual Property Section

**ASU: TOTAL WORKLOAD SUMMARY**

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

2021-Present

**Biomedical Diagnostics Program**

**Full-time faculty (Fiscal Year) - Assistant Teaching Professor/Lecturer (since 2021) & Program Director (since 2022)**

*ASU College of Health Solutions Academic Summary Workload:*

Academic Year	Title	Workload	Activities <sup>1</sup>
2025-2026	Assistant Teaching Professor	80% teaching 10% service 10% administration	<ul style="list-style-type: none"><li>• As of Jan. 2026, taught / scheduled to teach 15 courses in fall, spring, and summer</li><li>• Program director, Biomedical Diagnostics</li><li>• College of Health Solutions Representative, West Valley Campus</li><li>• Co-chair, Faculty Mentoring Committee</li><li>• Co-lead, Biomedical Diagnostics / Informatics Affinity Network</li><li>• Co-chair, Annual Ad hoc Career Track Faculty Annual Review Committee</li><li>• Co-chair, MS HCAP curriculum committee</li><li>• Member, Peer Teaching Review Committee</li><li>• Member, Space Committee</li><li>• Member, Biomedical Diagnostics / Informatics Academic Programs Committee</li><li>• Member, Curriculum Committee</li></ul>
2024-2025	Assistant Teaching Professor	80% teaching 10% service 10% administration	<ul style="list-style-type: none"><li>• Taught 15 courses in fall, spring, and summer</li><li>• Program director, Biomedical Diagnostics</li><li>• College of Health Solutions Representative, West Valley Campus</li><li>• Chair, MAS Accreditation Advisory Board</li><li>• Co-chair, Peer Teaching Review Committee</li><li>• Co-lead, Biomedical Diagnostics / Informatics Affinity Network</li></ul>

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<sup>1</sup> Details on Teaching, Mentorship, and Service activities provided below.

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Academic Year	Title	Workload	Activities <sup>1</sup>
			<ul style="list-style-type: none"> <li>• Co-chair, Annual Ad hoc Career Track Faculty Annual Review Committee</li> <li>• Member, Faculty Mentoring Committee</li> <li>• Member, Space Committee</li> <li>• Member, Biomedical Diagnostics / Informatics Academic Programs Committee</li> <li>• Member, Curriculum Committee</li> <li>• Member, Faculty Search Committee – Cytology Program Director role</li> <li>• Member, Cytology Program establishment group</li> <li>• Peer Reviewer/Referee, <i>Jurimetrics Journal</i></li> <li>• Participant, CHS Mentorship program (mentee)</li> </ul>
2023-2024	Assistant Teaching Professor	80% teaching 10% service 10% administration	<ul style="list-style-type: none"> <li>• Taught 11 courses in fall, spring, and summer</li> <li>• Program director, Biomedical Diagnostics</li> <li>• Chair, MAS Accreditation Advisory Board</li> <li>• Co-chair, Peer Teaching Review Committee</li> <li>• Co-lead, Biomedical Diagnostics / Informatics Affinity Network</li> <li>• Chair, Biomedical Diagnostics / Informatics Academic Programs Committee</li> <li>• Member, Faculty Mentoring Committee</li> <li>• Member, Service Committee</li> <li>• Member, Curriculum Committee</li> <li>• Member, Faculty Search Committee – Clinical Assistant Professor/Program Director in Health Care Administration</li> <li>• Participant, CHS Mentorship program (mentee)</li> </ul>
2022-2023	Assistant Teaching Professor	80% teaching 10% service 10% administration	<ul style="list-style-type: none"> <li>• Taught 10 courses in fall, spring, and summer</li> <li>• Program director, Biomedical Diagnostics</li> <li>• Co-lead, Biomedical Diagnostics / Informatics Affinity Network</li> <li>• Member, Peer Teaching Review Committee</li> <li>• Member, Annual Ad hoc Career Track Faculty Annual Review Committee</li> <li>• Member, Biomedical Diagnostics / Informatics Academic Programs Committee</li> <li>• Co-chair, Faculty Search Committee – Lecturer in Biomedical Diagnostics</li> <li>• Member, Service Committee</li> </ul>

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Academic Year	Title	Workload	Activities <sup>1</sup>
			<ul style="list-style-type: none"> <li>• Participant, CHS Mentorship program (mentee)</li> </ul>
2021-2022	Lecturer	80% teaching 20% service	<ul style="list-style-type: none"> <li>• Taught 6 courses in fall, spring, and summer</li> <li>• Member, Service Committee</li> <li>• Member, Annual Ad hoc Career Track Faculty Annual Review Committee</li> <li>• Participant, CHS Mentorship program (mentee)</li> </ul>

## TEACHING

*ASU College of Health Solutions Instructional Faculty Experience:*

Year	Semester	Session	Modality	Course Prefix: Name	# of students
2026	Spring	A	Online	HSC 432: Legal Issues in Health Care	
2026	Spring	A	Online	HCD 521: Health Policy & Equity	
2026	Spring	B	Online	HSC 432: Legal Issues in Health Care	
2026	Spring	B	Online	HCD 521: Health Policy & Equity	
2026	Spring	B	Online	BMD 592: Research	
2025	Fall	C	On-ground	GCO 659: Embryology and Genetics	5
2025	Fall	A	Online	BMD 667: Regulation of Medical Diagnostics	66
2025	Fall	A	Online	BMD 562: Applied Issues in Applied Biomedicine	40
2025	Fall	B	Online	HSC 432: Legal Issues in Health Care	55
2025	Fall	B	Online	BMD 510: Current Perspectives in Diagnostics	16
2025	Fall	B	Online	HCD 511: Health Economics & Policy	50
2025	Fall	B	Online	HCD 511: Health Economics & Policy	57
2025	Summer	C	Online	BMD 562: Applied Issues in Applied Biomedicine	35
2025	Summer	A	Online	HSC 432: Legal Issues in Health Care	27
2025	Spring	A	Online	HCD 511: Health Economics & Policy	59
2025	Spring	A	Online	HSC 432: Legal Issues in Health Care	57
2025	Spring	B	Online	HSC 432: Legal Issues in Health Care	56
2025	Spring	B	Online	HCD 521: Health Policy & Equity	57
2025	Spring	B	Online	BMD 667: Regulation of Medical Diagnostics	28
2025	Spring	B	Online	HSC 210: Cultural Aspects of Health	113
2024	Fall	C	On-ground	GCO 659: Embryology and Genetics	5

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Year	Semester	Session	Modality	Course Prefix: Name	# of students
2024	Fall	A	Online	BMD 667: Regulation of Medical Diagnostics	46
2024	Fall	A	Online	BMD 592: Research	23
2024	Fall	A	Online	BMD 562: Applied Issues in Applied Biomedicine	44
2024	Fall	B	Online	BMD 510: Current Perspectives in Diagnostics	25
2024	Fall	B	Online	BMD 593: Applied Project	23
2024	Fall	B	Online	HSC 432: Legal Issues in Health Care	51
2024	Summer	C	Online	BMD 593: Applied Project	45
2024	Spring	A	Online	BMD 511: Health Economics & Policy	63
2024	Spring	B	Online	HSC 432: Legal Issues in Health Care	56
2024	Spring	B	Online	BMD 592: Research	45
2024	Spring	B	Online	BMD 667: Regulation of Medical Diagnostics	13
2023	Fall	C	On-ground	GCO 659: Embryology and Genetics	5
2023	Fall	A	Online	BMD 667: Regulation of Medical Diagnostics	62
2023	Fall	A	Online	BMD 592: Research	12
2023	Fall	A	Online	BMD 562: Applied Issues in Applied Biomedicine	50
2023	Fall	B	Online	BMD 510: Current Perspectives in Diagnostics	20
2023	Fall	B	Online	BMD 593: Applied Project	12
2023	Summer	C	Online	BMD 593: Applied Project	19
2023	Summer	C	Online	BMD 562: Applied Issues in Applied Biomedicine	27
2023	Spring	A	Online	BMD 511: Health Economics & Policy	49
2023	Spring	B	Online	BMD 667: Regulation of Medical Diagnostics	12
2023	Spring	B	Online	BMD 592: Research	28
2022	Fall	A	Online	BMD 667: Regulation of Medical Diagnostics	49
2022	Fall	A	Online	BMD 592: Research	9
2022	Fall	A	Online	HCD 562: Bioethical Issues in Translational Medicine	10
2022	Fall	B	Online	BMD 593: Applied Project	9
2022	Fall	B	Online	BMD 510: Current Perspectives in Diagnostics	14
2022	Summer	C	Online	HCD 562: Bioethical Issues in Translational Medicine	22
2022	Summer	C	Online	BMD 593: Applied Project	50
2022	Spring	C	Online	BMD 513: Immunoassays	23
2022	Spring	A	Online	BMD 511: Health Economics & Policy	59
2022	Spring	B	Online	BMD 592: Research	50
2021	Fall	C	Online	BMD 513: Immunoassays – NOTE – during first term teaching, I was not the instructor of record for this course	34

**Other Instructional Experience:**

- Arizona State University, Department of Physics – NAN 506 (Intellectual Property and Innovation Management) – Summer A 2017, 2018, and 2019
- Grand Canyon University, Colangelo College of Business – BUS 310 (Legal and Ethical Issues in Business Transactions) – Fall 2020 & Spring 2021
- Guest Lectures:
  - BMI 604 – Spring 2022 - recorded guest lecture on ethics in communication
  - BMI 570 – Spring 2023 and Spring 2024 - in-person lectures on intellectual property issues and lead debates on the same
  - BME 598 - Spring 2024 - in-person lectures on intellectual property issues
  - Law 691 – in-person lectures on biotechnology patent law twice per each Spring and Fall semesters, started Spring 2017 and ending in Spring 2024
  - BMI 211 – Spring 2024 - in-person lecture on the fundamentals of diagnostics
  - BMI 616 – Fall 2025 – recorded guest lecture on legal and ethical issues in clinical decision support software

**Curriculum Development:**

*New Courses:*

- *BMD 562 – Bioethical Issues in Applied Biomedicine:* Through informal student surveys conducted by Prof. Carl Yamashiro, it was determined that there was significant student interest in an applied bioethics course. Shortly after I was hired, I started to develop this course to serve the following programs: Biomedical Diagnostics, Health Informatics, and Genetic Counseling. These efforts included employing backward course design, selection / creation of learning materials (readings, lectures, including lecture recordings, and supplementary materials), and drafting of assessments, formative and summative, and corresponding rubrics. This course launched in Summer C 2022 and has been offered every Fall A and Summer C term since then. In addition to the previously referenced programs, other programs, such as biomedical informatics and data science MS and PhD, CLAS's Biology MS, and Edson's Advanced Nursing Practice have all added this course as a pre-approved elective.

*Course Redevelopment (reverse chronological order):*

- *GCO 659: Embryology and Genetics:* I first served as the instructor for this course in Fall 2023 and have made several redesigns since that offering. Initially, the course required all new lectures and

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assessments, which were created in Fall 2023. Upon receipt of feedback from the Fall 2023 students, it became clear that additional learning materials were required to enable students to fully grasp the complexities of embryology. As such, for the Fall 2024, I modified the course to a flipped classroom model, where I pre-recorded some of the lecture materials so that learners would have some context when coming to each class. This was a well-received update based on learner feedback. Finally, in advance of Fall 2025, I engaged with College of Health Solutions' instructional design team to redevelop the Canvas shell for this course, including an entirely new aesthetic and professional pre-lecture videos.

- *HCD 521: Health Policy and Equity*: As a part of the relaunch of the Health Care Administration and Policy MS program, I completely redeveloped in late 2024 / early 2025. Initially, I worked closely with Prof. Swapna Reddy to ensure alignment between this redesigned course and its immersion counterpart. Thereafter, I created all new lectures, including lecture recordings, selected appropriate learning materials, and created new assessments, formative and summative, and corresponding rubrics.
- *HSC 432: Legal Issues in Health Care*: This course was redeveloped in early Spring 2024 and was relaunched in Spring B 2024. These redevelopment efforts included employing backward course design to create new expected learning outcomes, selection / creation of learning materials (readings, lectures, including lecture recordings, and supplementary materials), and drafting of assessments, formative and summative, and corresponding rubrics. Since redevelopment, this course has grown in popularity with learners and is now, or will be offered in Fall A,<sup>2</sup> Fall B, Spring A, Spring B, and Summer A and serves both online and campus immersion learners.
- *BMD 667: Regulation of Medical Diagnostics*:<sup>3</sup> This course was redeveloped in early Spring 2023 and was relaunched in Spring B 2023. These redevelopment efforts included employing backward course design to create new expected learning outcomes, selection / creation of learning materials (readings, lectures, including lecture recordings, and supplementary materials), and drafting of assessments, formative and summative, and corresponding rubrics. This redevelopment was prompted by course reviews on an inherited version of this course. The updates to this course made the course less abstract and more concrete for learners. Moreover, I have continued to update this course as the regulatory landscape has changed for diagnostic testing. Like other courses detailed in this list, other ASU programs outside of the College of Health Solutions have added this course to a pre-approved electives list, including Edson College of Nursing and Health Innovation and the Fulton Schools of Engineering. In addition, as of August 2025, Quality Matters certified BMD 667 as in compliance with its QM, Seventh Edition, rubric.

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<sup>2</sup> For the sake of transparency, I am not scheduled to serve as the instructor for the Fall A 2025 session. I am scheduled to serve as the instructor for all other offerings.

<sup>3</sup> Please note that I was separately compensated for redeveloping BMD 667.

- *HCD 511 / BMD 511:*<sup>4</sup> *Health Economics and Policy*: This course was completely redeveloped in Fall 2022 during my participation in the College of Health Solutions' Teaching Academy. Its redevelopment was prompted by my course evaluations after I inherited this course in Spring 2022. Although my evaluations were largely positive, the feedback was clear that the course needed serious revisions. These redevelopment efforts included employing backward course design to create new expected learning outcomes, selection / creation of learning materials (readings, lectures, including lecture recordings, and supplementary materials), and drafting of assessments, formative and summative, and corresponding rubrics.

### **MENTORSHIP**

- **Biomedical Diagnostics Program Applied Projects:** (BMD 592 and BMD 593) (2021 – Present): I have served as an instructor or co-instructor for the biomedical diagnostics applied projects, with the exception of Spring/Summer and Fall 2025. In this role, I mentored groups of students who were paired with industry sponsors to address in-depth, diagnostics-related questions and issues raised by the sponsor. This entailed the following:
  - finding sponsors / projects;
  - organizing groups of students (based on interest and physical location);
  - attending approximately hour-long weekly meetings for each of my groups (depending on the number of enrolled students, this ranged from 2-3 meetings per week to 11 meetings per week);
  - reviewing and grading group work products, including a 50+ page final report and 45–50-minute final presentation; and
  - mediating any interpersonal issues that arise during the projects.
- **Other Applied Projects:** By virtue of teaching courses that attract students from other programs, I have also mentored students outside of the biomedical diagnostics program. These mentorship interactions include the following:
  - **Master of Applied Science in Health Informatics:**
    - Fall 2025:
      - Timothy Forgey - *Outcome based Analytical Methods for Health Safety Risk Analysis in U.S. Marketed Human Health Care Products*
    - Spring 2025:
      - Nora Abouseido – *AI-Powered Chatbot for Asthma/COPD Education: A Prototype for Patient Engagement*
    - Fall 2024:
      - Ariel Alexander – *Affordable and Accessible [Diabetes] Resources in Phoenix, AZ*
      - Vaishnavi Mehta - *Benefits of integrating ICD-10 codes with CTCAE grading to enhance workflow, interoperability, and improve patient outcomes in the research*

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<sup>4</sup> Due to an administrative change in 2024, BMD 511 was combined by HCD 511, but the content has remained the same.



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*field\*\*\* NOTE – I have continued to work with Vaishnavi post-graduation to have her work published*

- Spring 2024:
  - Ini Bassey - *Analyzing the Challenges and Failures of Universal Healthcare Implementation in Nigeria: A comprehensive study and recommendation for improvement through the integration of the National Identification Number (NIN)*
- Spring 2023:
  - Mary Mosser – *42 C.F.R. Part II Data Interpretation and Implementation in the Integrated Care Setting: A Literature Review*
- Master's Degree – School of Life Sciences:
  - Fall 2023 – Robert L. Orlosky – *Clinical Research and Ethics*
- Bachelor's Degree – Biomedical Informatics (Summer / Fall 2024):
  - Together with Prof. Marcela Aliste, we mentored two undergraduate students, Marcyanna Concepcion and Margaret Halcin, through BMI 482 (capstone part I) to complete a literature review on pharmacogenomics and mental health. We then mentored Margaret Halcin through BMI 483 (capstone part II) on a conceptualization of a dashboard to measure the impact of the implementation of pharmacogenomics in the mental health care setting.
- Master's Degree – Genetic Counseling:
  - Fall 2023 – Spring 2025 – Leor Friedman (Chair of thesis committee): *Assessing the Integration of Updated Noninvasive Prenatal Screening (NIPS) Guidelines into Prenatal Practice*
  - Fall 2025 – Spring 2027 (expected) – Josiah Neumann (Committee member): *Regulation of genetic counselors: differences in perceived scope of practice by state*
- Other Mentorship:
  - Summer / Fall 2025 – Unnati Agarwal (Biomedical Informatics and Data Science MS student) – As detailed below, I oversaw Unnati as a graduate student assistant for my HSC 432 Spring A 2024 section and she and I worked well together. Unnati has continued to reach out to me to discuss career aspirations, letters of recommendation for internships, advice on class election, and planning for the future. I also oversee Unnati's BMI 584 (Internship) course during Summer 2025 and Fall 2025 and oversaw a health economics independent student for Unnati in Fall 2025.
  - Spring / Summer 2024 – Akshay Karthik – (High School student – Hamilton High School) – I received a cold e-mail from Akshay in February 2024. He requested mentorship in seeking acceptance to a biomedical informatics conference and support in publishing results of his high school research. I supported Akshay in having his research accepted to an international informatics conference and having his work published, for which I received an authorship credit.
- Barrett, The Honors College – Honors Enrichment Contracts:

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- Garrett Michels – Fall 2025 – HSC 432 - *Comparative Health Law: Malpractice, Privacy, and Access*
- Vendela Galasinao – Fall 2025 – HSC 432 - *How Modern Damage Cap Legislation is Transforming Tort Law in California*
- **Graduate Student Assistants, Academic Associates, and Faculty Associates:** As determined by course enrollment numbers, when possible, I engage graduate student assistants (GSAs), academic associates (AAs), and occasionally faculty associates (FAs). GSA and AA mentorship includes preliminary meetings to discuss the content of the course, a plan for the semester, and the GSA/AA's expectations for workload. During the semester, I meet at least weekly with each GSA or AA to discuss the course, upcoming assignments and projects, and expectations for the week. Finally, at the end of each course, we meet to debrief on the course and exchange feedback (both feedback on the GSA/AA's work and my own work, as reviewed by the GSA/AA).

Semester & Year	GSA or AA Name	Course Description
Fall 2025	Unnati Agarwal (GSA)	HSC 432: Legal Issues in Health Care (Session A)
Fall 2025	Saja El Yaacoub (AA)	BMD 667: Regulation of Medical Diagnostics
Fall 2025	Inga Dolinski (AA)	HCD 511: Health Economics & Policy
Fall 2025	Saja El Yaacoub (AA)	HCD 511: Health Economics & Policy
Fall 2025	Cindy Azevedo (AA)	BMD 562: Applied Bioethics
Spring 2025	Corinne Fenton (AA)	HCD 511: Health Economics
Spring 2025	Unnati Agarwal (GSA)	HSC 432: Legal Issues in Health Care (Session A)
Spring 2025	Leor Friedman (GSA)	HSC 432: Legal Issues in Health Care (Session B)
Spring 2025	Cindy Azevedo (AA)	HCD 521: Health Policy & Equity
Fall 2024	Het Bhatt (GSA)	HSC 432: Legal Issues in Health Care
Fall 2024	Cindy Azevedo (AA)	BMD 667: Regulation of Medical Diagnostics
Fall 2024	Corinne Fenton (AA)	BMD 562: Applied Bioethics
Summer 2024	Saja El Yaacoub (AA)	BMD 593: Applied Project
Spring 2024	Saja El Yaacoub (AA)	BMD 592: Research
Spring 2024	Sydney Stephens (GSA)	HSC 432: Legal Issues in Health Care
Spring 2024	Corinne Fenton (AA)	BMD 511: Health Economics
Fall 2023	Cindy (Azevedo) Tsou (AA)	BMD 562: Applied Bioethics
Fall 2023	Corinne Fenton (AA)	BMD 667: Regulation of Medical Diagnostics
Spring 2023	Corinne Fenton (AA)	BMD 511: Health Economics
Fall 2022	Cindy (Azevedo) Tsou (AA)	BMD 667: Regulation of Medical Diagnostics
Summer 2022	Saja El Yaacoub (AA)	BMD 593: Applied Project

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Semester & Year	GSA or AA Name	Course Description
Spring 2022	Saja El Yaacoub (AA)	BMD 592: Research
Spring 2022	Cindy (Azevedo) Tsou (AA)	BMD 511: Health Economics

### **AWARDS & NOMINATIONS:**

Awarded – 2023 College of Health Solutions Teaching Award

Nominations:

- Recipient and Nominee: College of Health Solutions Teaching Award – 2023 (won) and 2024
- Nominee: College of Health Solutions Service Award - 2024
- Nominee: College of Health Solutions Mentoring Award – 2023 and 2024
- Nominee: Arizona State University, Graduate College – Outstanding Faculty Mentor Award – 2023
- Recipient: Arizona State University, Professor of Impact Award – awarded by multiple students

### **Presentations / Public Commentary / Media Contacts**

- Speaker, Topics in Bioethics – Basis Chandler MedEthics Club - October 16, 2025
- Moderator, Scaling AI and Achieving Adoption – From Pilots to Practice – 2025 Diagnostics Summit  
October 15, 2025
- Moderator, Clinical Laboratories Workforce of the Future – 2025 Diagnostics Roundtable April 26, 2025
- Interviewee, *Will Trum Administration 'Wash Its Hands' of FDA Lab-Test Rule*, Law360 – Health Care Authority  
April 15, 2025
- Panelist, Panel Presentation: Best Practices for Clinical Labs in Turbulent Times April 11, 2025
- Moderator, Diagnostics Reimbursement – 2023 ASU Annual Diagnostics Summit October 17, 2024
- Emcee and moderator, Artificial Intelligence and Health Care Roundtable, hosted by BMI/BMD Affinity Network  
May 29, 2024
- Moderator, Health Talks, College of Health Solutions - Artificial Intelligence and Medical Education  
February 15, 2024
- Speaker, Danaher Diagnostics Executive Education Event – Partnering with Research and Other Organizations  
February 2024
- Moderator, Diagnostics Reimbursement – 2023 ASU Annual Diagnostics Summit October 19, 2023
- Invited Presenter (recorded) – Foldscope Discussion, College of Health Solutions' Health, Technology and Equity Virtual Summit  
September 2023
- Introduction to Intellectual Property – Abdulla Al Ghurair Educational Foundation: provided an overview of intellectual property concepts to Middle East scholarship organization that has previously funded students to attend ASU  
September 12 & 26, 2023
- Panelist, Pharmacogenomics: Post COVID-19 Expansion of Molecular Testing November 9, 2022
- Moderator, Intellectual Property Panel – 2022 ASU Annual Diagnostics Summit October 27, 2022

- Panelist, Simplify the Development and Implementation of Diagnostic Testing in European Laboratories  
October 20, 2022

### **Pedagogy and Mentorship - Professional Development**

- **2025**
  - Regulatory Affairs Professional Society (“RAPS”) Webinar – *2025 FDA Forecast*
  - RAPS – Workshop - *RAPS Workshop: Rethinking Regulatory Strategy: De-risking Submissions and Addressing Payer Needs with Comprehensive Evidence Planning*
  - ASU Online Webinar – *Authentic Assessment to Move from Consumers of Information to Collaborators*
  - Polsinelli PC – Webinar - *Medical Staff Leaders and Their Legal Advisors: Managing Today’s Challenges (Peer Review, Privilege, and Peer Review of Aging Practitioners)*
  - SAILS – *Navigating Flex Plans and Orientation to Accommodations*
  - Health Policy and Equity Network – *Advancing Health Equity / Bridging Health Gaps Training*
  - Virtual Leadership Training – Z. Cordell dissertation research and training
  - College of Health Solutions – Webinar – *Health Talks – Exploring Public Health Cases and Impacts before the Supreme Court*
  - College of Health Solutions – *Mentee – Faculty Mentorship Program*
- **2024**
  - College of Health Solutions – *Mentee – Faculty Mentorship Program*
  - ARUP Laboratories, *The FDA Final Rule on LDTs: What you Need to Know*
  - ASU Online, *Improving Your Online Course*
  - College of Health Solutions – Webinar – *Health Talks – Using AI to Improve Medical Education and Clinical Outcomes*
  - RAPS Webinar – *2024 FDA Forecast*
  - Personalized Medicine World Conference – Attendee of live event
  - College of Health Solutions – HSC 432 Peer Review (my course was reviewed)
  - College of Health Solutions – Webinar – *Health Talks – The Supreme Court Health Impacts of Five Cases*
  - Polsinelli PC – Webinar – *AI in Health Care – Legal Issues*
  - ASU Online – Webinar – *AI in Assessments*
  - ASU Online – Webinar – *Harmonize (an educational technology tool)*
  - Polsinelli PC – Webinar – *Health Care Antitrust Year-in-Review – Legal Issues*
  - Polsinelli PC – Webinar – *Medical Staff Leaders and Their Legal Advisors: Managing Today’s Challenges 2024 Virtual Conference*
  - Polsinelli PC – Webinar – *Introduction to Health Care Reimbursement (Parts 1-3)*
  - ASU Online – Webinar – *Leveraging AI to Generate Learning Objectives*

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- Association for Diagnostics & Laboratory Medicine (“ADLM”) – Webinar – *Value of Laboratory Medicine: Technology is Changing the Delivery of Care*
- College of Health Solutions – Webinar series – *Unsiloeed Talks*
  
- **2023**
  - College of Health Solutions – *Mentee – Faculty Mentorship Program*
  - College of Health Solutions – Summit – *Health, Technology, and Equity Virtual Summit*
  - Genome Web – Webinar – *PGx Testing Developments and Future Directions*
  - ADLM – Webinar – *Value of Lab Medicine: Transforming the Landscape of Health Care*
  - ASU Online – Webinar – *Getting Started with the Library Resource Organizer*
  - ASU – Faculty Women’s Association – Advance FDCC Circle Program – *Mentee (NOTE – ran from Fall 2023 – Spring 2024)*
  - ASU Online – Webinar – *Designing for an Inclusive Learning Community in the Online Course*
  - ADLM – Webinar – *Labvocracy in 2023 – 118<sup>th</sup> Congress Update*
  - ASU Graduate College – Webinar – *Building Networked Communities: Strategies for Recruitment and Admission of Graduate Students*
  - Polsinelli PC – Webinar – *Inclusivity in a Changing Landscape: Organizational Best Practices in Today’s Legal Context*
  - ASU Online – Webinar – *Group Work Online: Moving from Loathe*
  - ASU Online – Training – *Master Class in Online Teaching* (NOTE – second time taking this training)
  - ASU – Training / Webinar – *Military Veteran Training Session (Proving Grounds)*
  - RAPS – Training / Webinar – *Medical Devices: US Regulations*
  - Personalized Medicine World Conference – attendee of live event
  - College of Health Solutions – BMD 511 Peer Review (my course was reviewed)
  - College of Health Solutions – Webinar – *From Equity Talk to Equity Walk: Translating Vision into Practice*
  - College of Health Solutions – Webinar – *Spring Semester Teacher Talk #2 – Authentic Assessments*
  - ASU Online – Webinar – *Mastering the Online Classroom – Behind The Scenes at ASU Online*
  
- **2022**
  - College of Health Solutions – *Mentee – Faculty Mentorship Program*
  - College of Health Solutions – Training Course - Teaching Academy
  - ASU Online – Training – *Online Master Class for Teaching Online*
  
- **2021**
  - College of Health Solutions – *Mentee - Faculty Mentorship Program*
  - College of Health Solutions – Webinar – *Fostering Effective Writing – Improving Students’ Writing*
  - ASU Online/Quality Matters – Training – *Improving Your Online Course*

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- ADLM – Webinar – *The Regulatory Landscape of LDT Procedures: How We Got Here, Why It's Important, Where We're Going, and How You Can Get Involved*

**SERVICE**

**College of Health Solutions Service**

Time of Service	Service Activity	Role
Fall 2025 – Present	Mentor (Secondary)	Serve as secondary mentor to K. Sundling
Fall 2025 – Spring 2026	Assistant Teaching Professor in the movement sciences – Search Committee	Committee Member
Fall 2024 – Present	West Valley Campus Representative	College of Health Solutions' representative on West Valley campus
Fall 2024 – Present	Space Committee	Committee member
Fall 2024 / Spring 2025 & Fall 2025/ Spring 2026	<i>Ad hoc</i> Annual Review Committee	Co-chair and member (Career Track)
Fall 2024	Cytology MS Program Director Search Committee	Committee member
Summer 2024	<i>Ad hoc</i> committee to establish curriculum for Cytology MS program	Committee member
Fall 2023 – Present	Standing Curriculum Committee	Committee member
Fall 2023 – Present	Faculty Mentorship Committee	Committee member (co-chair starting Fall 2025)
Fall 2022 – Present	Peer Teaching Review Committee	Committee member (co-chair 2023-2024 and 2024-2025)
Spring / Summer 2023	<i>Ad hoc</i> Committee to Revise Teaching Faculty Hiring, Retention, and Promotion criteria	Committee member

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Time of Service	Service Activity	Role
Spring 2022 & Spring 2023	<i>Ad hoc</i> Annual Review Committee	Committee member (Career Track)
Spring / Summer 2022	Biomedical Diagnostics Lecturer Search Committee	Co-chair
Fall 2021 – Spring 2024	Faculty Service Committee	Committee member
Spring / Summer 2022	Health Care Delivery Program Director / Clinical Assistant Professor Search Committee	Committee member

**Unit / Program Service**

Time of Service	Service Activity	Role
Summer 2023 – Fall 2025	Health Informatics (Master of Applied Science) and Biomedical Informatics (Bachelor's of Science) Advisory Board	Member and Chair
Spring 2022 – Present	Biomedical Informatics and Biomedical Diagnostics Academic Programs Committee (APC)	Committee member and past chair (January 2023 – August 2024)
Fall 2021 – Present	Biomedical Informatics and Biomedical Diagnostics Affinity Network	Member and co-lead (Fall 2023 – Summer 2025)

**University Service**

Time of Service	Service Activity	Role
Fall 2025	Work-Integrated Learning Human-Centered Design Sprint	Participant



**Administrative Service (Biomedical Diagnostics Program Director – Fall 2022 – Present):**

Briefly, since taking over as program director, I have worked closely with BMD faculty to try to grow the program via increased presence and to offer more course options for our students. Through observation, our faculty has found that increased visibility has directly yielded increased applications and enrolled students. As such, we have endeavored to participate in as many public-facing events as possible. We are seeing this strategy bear fruit, as the program's Fall 2025 enrollment numbers are on-track to be the largest in the program's history. As the program director, I hope to continue this success in future years. In addition to efforts at continual growth for the biomedical diagnostics program, I also undertake the following in this role:

- Oversee day-to-day operations of biomedical diagnostics program, including reviewing applications / speaking with potential applicants, bi-weekly meetings with program-specific graduate support coordinator, reviewing and updating course and faculty schedules, and reviewing student course evaluations for all program courses to determine when updates to course content and presentation are necessary.
- Other activities include:
  - Annually review and update program handbook, College's program website, and ASU Online's program website.
  - Participate in College's and ASU Online's marketing events for potential students, including providing yearly training to ASU Online's team to enable readily available points of differentiation between the BMD program and other programs.
  - Lead program-specific new student orientation in Fall and Spring terms.
  - Complete annual UOEEE evaluation, including enabling any changes to courses and annual evaluation plan (as needed).

**Professional Service:**

- *2018 – Present* – Member and Chair, Arizona Supreme Court's Committee on Examinations (Chair since 2021 – reappointed in December 2025). Responsibilities include:
  - Leading the committee that administers the Arizona Uniform Bar Examination twice per year;
  - Providing guidance on the administration of the Arizona Uniform Bar Examination;
  - Responding to substantive petitions for review on behalf of the Committee for review by the Arizona Supreme Court;
  - Leading teams of attorneys in grading the Arizona Uniform Bar Examination;
  - Represent the state of Arizona at the National Conference of Bar Examiner's Annual Bar Admissions Conference (each year since 2021);
  - Lead Committee meetings, including leading votes on accommodations and requests to sit for the Arizona Uniform Bar Examination; and
  - Present updates on the Arizona Uniform Bar Examination, including grading processes, directly to the Arizona Supreme Court Justices.
- *2021 – Present*, Member, Arizona Supreme Court's Attorney Regulation Advisory Committee. Responsibilities include:



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- Assist the Arizona Supreme Court and the Chief Justice on issues relating to attorney regulation;
  - Monitor the discipline process, periodically reviewing the entire attorney admission and discipline system, and make recommendations for any needed changes; and
  - Serve as a sub-committee member related to a proposed rule change to the Supreme Court's rules that would enable a national licensure scheme in the state of Arizona.
- *2023 – Present*, Alternate Hearing Officer – Arizona Supreme Court's Presiding Disciplinary Judge.  
Responsibilities include:
    - Reviewing requests for hearings from licensed professionals, such as fiduciaries;
    - Hearing oral arguments from licensed professionals that have had their professionalism / expertise questioned; and
    - Drafting findings of fact and recommendations for further committee review and consideration.

**Community Service/Engagement:**

- *Fall 2023 – Present* - Robust Diagnostics, LLC – a metropolitan Phoenix diagnostics company to which I provided *pro bono* legal services (through my own limited liability company) to help the organization protect its intellectual property.
- *Fall 2022 – Fall 2023* – AZBio Peer Mentorship – provided *pro bono* intellectual property advice to a local Arizona start-up organization (Teleport Pharmaceuticals) as a part of the AZPeers program.
- *Spring 2022* – ASU Venture Devils MedTech – Present to MedTech group on intellectual property and legal concerns for start-ups.

**Professional Experience**

**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;

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- 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;

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- 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.

## 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).

### Scientific 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- $\kappa$ B and Interferon Regulatory Factors 1 and 8 in Human Dendritic Cells*, 76 INFECTION & IMMUNITY 2138 (2008) (second author).

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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**