

# ALICIA HUGHES

VISITING LECTURER IN INTELLECTUAL PROPERTY  
RESEARCH PROFESSOR  
BOSTON UNIVERSITY SCHOOL OF LAW  
765 COMMONWEALTH AVENUE  
BOSTON, MASSACHUSETTS 02215



## PROFESSIONAL SUMMARY

Seasoned, dual-degreed law and science professional with record of achievement in law, non-profit management, secondary and higher education, intellectual property prosecution (focused in the life sciences and pharmacology), curriculum development, advocacy (local, state and federal) and policy, program and business development, including issue identification, strategic planning and implementation. Skilled in budget management, government relations, leadership development, public affairs and business development, with in-depth experience in organizing private and government sector efforts in support of a wide range of issues. Professional background encompasses positions with increasing responsibility within all 3 branches of the federal government as well as municipal and state governments, trade associations, law firms and academic public-private partnerships.

## KEY COMPETENCIES AND SPECIALIZED TRAINING

- Public speaking, presentation, survey development and research skills
- Secondary and university-level teaching, curriculum development and program modeling
- University and graduate education program development and facilitation
- Contract development/drafting, negotiation and execution
- Technical writing, proposal writing and cross-functional team leadership development expertise
- Strategic planning, project management and brand modeling expertise in collaborative environs
- Diversity and inclusion program development and management

## STRATEGIC PLANNING AND ORGANIZATIONAL DEVELOPMENT EXPERIENCE

My natural gravitation, whether in formal positions, positions of public trust, or in a volunteer capacity, remains program design, management and oversight, with immense strengths in the areas of programmatic evaluation and strategic planning. Some of the most germane examples of my work are:

- Founded the Congressional Universal Healthcare Task Force on Capitol Hill, part of the foundation that galvanized universal access to healthcare as a campaign priority and signature program of the Obama administration that led to Obama Care;
- Performed groundbreaking work as a gubernatorial appointee to a statewide commission on government reform and restructuring that streamlined government services while making them more user-friendly, minimized taxes and led to the creation of a new task force that essentially saved local governments \$30 million through the elimination and reduction in unnecessary unfunded government mandates annually;
- Created a multi-faceted model outreach program for a statewide academic-public-private partnership that: a) netted a result of exposing more than 500 students to more than 40 scientists through the establishment of partnering agreements with secondary schools statewide; b) created an affirmative action plan to address University of Delaware recruitment of underrepresented minorities to graduate programs in the life sciences and engineering; and c) created a web-based, live stream module and curriculum for use to link 1,000+ students;
- Led a citywide (population size of 157,000) strategic plan, with more than 5,000 stakeholders (public officials, city employees, business representatives, and citizens) to improve education and quality of life for families that led to the merge of two city committees for the established of the Joint Collaborative Commission on Children and Families, work and programming that led to the nationwide recognition of this city as one of the best cities in the U.S. for families;
- Created the framework for an education network providing unique global learning opportunities to inner-city children by utilizing a proprietary curriculum I designed, with a cross-disciplinary focus in language immersion (Arabic, Mandarin Chinese, German, Japanese) and S.T.E.A.M (science, technology, engineering, art from an architectural design perspective and math), bringing together a university collaborative partner to provide in-kind education services through coursework for college credit and global college entry beginning in 9th grade, other national partners and city-departments and securing grant funding for program sustainability and enhancement; and
- Developed a minority mentoring program at Miami Law that served as the precursor/catalyst, model for a statewide mentoring program affecting more than 3,000 law students across the State of Florida. The program has received the American Bar Association's Diversity Award for improving diversity in the legal profession, particularly in large and midsized firms.

## EDUCATION

2021-present  
**University of Pennsylvania**  
Candidate, Executive Ed.D. Higher Education Management, degree exp. 2023

1998-2002  
**University of Miami School of Law**  
Juris Doctor  
Inaugural Class of Miami Scholars;  
Editorial Board Member, *University of Miami School of Law International and Comparative Law Review*; Member, International Moot Court Board and Jessup National Trial Team; International Moot Court Competition "Best Oralist"

1992-1996  
**Texas Southern University**  
Bachelor of Science, Biology  
Student Government Association President

## TEACHING & RESEARCH INTERESTS

### TEACHING INTERESTS:

*Intellectual Property; Patent Law; Pharma/Biotech Patent Prosecution; Business Law; Contracts*

### RESEARCH INTERESTS:

**Intellectual Property**  
**International & Comparative Law**  
**Social Justice**  
- Voting Rights  
- Police Brutality/Reform  
**Education Policy**  
- Higher Education Access for Students from Marginalized Communities  
- Diversity, Equity & Inclusion in Law

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## INTERNATIONAL EXPOSURE/EXPERIENCE

- **Double Harvest School**, (Senior Class Lecturer/Student Mentor, College Tour Host & Fundraiser), Port au Prince [Croix-des-Bouquets], Haiti [2013-14]
  - **Fellow, American Council of Young Political Leaders**, (American Delegate to Australia, Summer 2010 and host to U.S. Delegations from Russia and Southeast Asia), Washington, DC [2010-present]
  - **Fellow, Aspen Institute Global Leadership Network**, Washington, DC and Aspen Colorado [2011-present]
  - **Collegiate Debater and Coach, International Forensics Association through Texas Southern University**, (International Championship Team Member: Paris, France; Rome, Italy; and Munich, Germany), Houston, Texas [1992-1998]
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## INTELLECTUAL PROPERTY EXPERIENCE & RESEARCH APPRENTICESHIPS

**United States Patent and Trademark Office**, Washington, DC

*Pharmaceutical and Biotechnology Patent Examiner*, August 2006 – January 2011

**IVAX Corporation (Pharmaceutical Company)**, Miami, FL

*Law Clerk to the Associate General Counsel*, July 1999 – September 1999

**Baylor College of Medicine, Department of Medicine-Division of Cardiovascular Science**, Houston, TX

*SMART Program Fellow and MARC/NIH Biomedical Research Scholar*, January 1995-December 1995; 1995 MARC/NIH Outstanding Undergraduate Researcher Award

**University of Wisconsin-Milwaukee**, Milwaukee, WI

*Ronald McNair Biomedical Research Scholar*, Department of Biological Sciences, May 1994 – August 1994

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## EXECUTIVE EXPERIENCE

**Alexandria City Councilor**, Alexandria, VA (2009-12)

- Served as one of six at-large, elected city councilors, completing work in policy-making and executive capacity to manage a multi-billion-dollar budget and organization with 5,000 employees to service a city effectively with 158,000 residents
- Led 2 specific task groups (each holding more than 20 meetings to receive input from more than 3000 citizens, community groups, city staff and elected officials) over a 9-month period, resulting in a 10-year citywide strategic plan with measurable outcomes affecting: 1) education and family; and 2) the arts, historic preservation, and population diversity (plan serves as benchmark for an annual \$600 million budget for which there is partial development responsibility and oversight authority)
- Served as a member of the Chesapeake Bay Watershed Roundtable and served as Vice-Chair of the Metropolitan Washington Council of Governments Committee on Public Health and Safety

**Virginia College Building Authority Commissioner**, Richmond, VA

Served on the administrative body tasked with providing financing for certain capital projects and educational equipment for state institutions of higher education, functioning as a conduit/financing mechanism for private, non-profit institutions of higher education in Virginia, with responsibility for administration of all VCBA Programs, including, but not limited to 21st Century College and Equipment Programs, the Pooled Bond Financing Program, and private school funding, as requested, pursuant to the Virginia Educational Facilities Authority Act of 1972, which permits the use of proceeds from state bonds and notes to finance educational projects through loans to private, nonprofit institutions of higher education within the Commonwealth.

**Virginia Commissioner on Government Reform and Restructuring**, Richmond, VA

Served as gubernatorial appointee, specifically credited with the initiative establishing the Virginia Task Force on Local Government Mandate Review, with the Commission collectively credited with proposing ~30 different state legislative initiatives in 2011 that became law, saving the Commonwealth of Virginia a net \$100 million annually

**Governor's Liaison to the Virginia Task Force on Local Mandates Review**, Richmond, VA

Credited with the legislative and administrative repeal of more than 40 unfunded mandates in 2012 and specifically credited with advancing an administrative initiative yielding a net local government savings of more than \$80 million annually

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## OTHER PROFESSIONAL EXPERIENCE

### **Boston University School of Law, Boston, MA**

*Visiting Lecturer*, July 2021 – present

- Teach pharma/biotech patent prosecution to law students
- Manage four (4) teaching fellows and three (3) research assistants
- Pursue scholarly endeavors in patent law, education law and policy, and social justice

### **University of Texas McCombs School of Business, Austin, TX**

*Lecturer of Business Law and Ethics*, November 2020 – present

- Teach course investigating the role of law in society, introducing legal reasoning, dispute resolution, judicial process, constitutional law, agency, torts, government regulations, business ethics, and the study of contracts

### **Delaware Law School (of Widener University), Wilmington, DE**

*Intellectual Property Professor (Adjunct)*, November 2020 – July 2021

- Teach Intellectual Property Survey and Patent Law courses to law students

### **Latin Schools of America, LLC, Philadelphia, PA**

*President and CEO*, October 2017 – present

- Design novel education programs blending S.T.E.A.M. and language immersion
- Do community outreach, government relations and legal work necessary to bring visions of Latin Schools of America Board to fruition
- Draft grant applications to ensure novel education programs are properly funded
- Conduct research and analyses on market trends to determine emerging markets where charter schools and boarding schools are good fits
- Hire and train administrative, educational staff and consultants to manage school network operations
- Oversee the management of board development and lawsuits

### **Delaware Superior Court, Wilmington, DE**

*Judicial Law Clerk, Judge Charles Butler*, May 2019 – August 2019

- Investigate claims and draft recommendations, orders, and more in criminal and civil cases
- Assist judge in preparation for Re-entry Court and liaise with Re-entry Team, including HOPE Commission staff, Delaware Probation Staff, public defenders and other ancillary community partners
- Prep judge for court proceedings and mediations through preparation of bench memoranda and one-on-one conferences
- Advise counsel and *pro se* litigants on rules of procedure and fine points of law

### **Self-employed, Alexandria, VA**

*Consultant (Intellectual Property, Life Sciences and Federal Agency)*, January 2012 – present

- Draft written opinions and foreign filings on patent applications in the life sciences
- Analyze scientific research and apply to evaluation of applications for new patents in the life sciences
- Consult with pharmaceutical legal departments on various corporate legal matters as needed
- Work with regulatory and legal experts to develop policies, regulations, and documents pertaining to the regulation of industries outlined in Dodd-Frank and other finance industry legislation
- Conduct research and analyses of complex legal and regulatory policy issues to advise government agency of effective ways to carry out its mission related to certain classified projects which report directly to U.S. Congress

### **Fairfax County Public Schools, Fairfax, VA**

*Biology and Geosystems Teacher, McLean and West Springfield High School*, September 2015 – July 2016

- Created and implemented ground-up interactive high school biology and geosystems curricula, including custom-designed labs, daily PowerPoint lectures, worksheets and homework assignments that resulted in receipt of designation as an outstanding district science teacher
- Managed ~30 individual student projects and presentations, with 1/3 of the students' science projects receiving school fair awards and one project qualifying for and placing in the district-wide science fair
- 100% pass rate on Geosystems State Comprehensive exam (33 students); 98% pass rate on Biology State Comprehensive Exam, with 1/3 of students passing advanced (100 students)

### **Delaware Biotechnology Institute, Newark, DE**

**Associate Director for Education Programs**, January 2011 – October 2011

- Developed Science for All Delawareans, a multi-faceted outreach program to foster increased awareness of career and education opportunities in science, technology, engineering and mathematics [“STEM”]
- Led projects and supervised a staff of 10 (4 with direct line reporting) in cross-functional areas (marketing and communications, graphic design and technology, community outreach and project management)
- Served as a liaison/official spokesman with local, state and federal elected officials and institute partners in the public, private and academic sectors of the State of Delaware
- Assisted in the grant strategy for 700-person organization that has collectively amassed in excess of \$200 million in funding

**United States Patent and Trademark Office**, Washington, DC

**Pharmaceutical and Biotechnology Patent Examiner**, August 2006 – January 2011

- Prosecuted ~300 national stage and ~60 foreign/PCT biotechnology patent applications for new drugs and treatments, pursuant to legal standards under 35 U.S.C. §§101, 102, 103 & 112 U.S.C., to determine whether new patents should issue
- Negotiated with counsel and drafted technical memoranda to advise applicants of deficiencies foreclosing patentability

**National Bar Association**, Washington, DC

**Director of Member Services and Government Relations**, September 2005 – June 2006

- Created and implemented an historic membership development and capital campaign that surpassed all previous fundraising records, yielding more than \$2.5 million
- Led a project staff of 4, supervising the development and distribution of membership campaign and annual conference promotional materials
- Served as the administrative liaison to the Legislative Lawyers Division

**U.S. District Court for the Middle District of Alabama**, Montgomery, AL

**Federal Law Clerk**, Judge Vanzetta Penn McPherson, August 2003 – April 2005

- Investigated claims and drafted recommendations, orders, and more than 25 published cases, primarily for Title VII (employment discrimination) and Social Security matters
- Prepped judge for court proceedings and mediations through preparation of bench memoranda and one-on-one conferences □  
Advised counsel and *pro se* litigants on rules of procedure and fine points of law

**Bilzin Sumberg Baena Price & Axelrod LLP**, Miami, FL

**Associate/Lobbyist**, Land Use, Local Government, and Environmental Law Practice Group, May 2002 – August 2003

- Conducted legal research and drafted memoranda, pleadings, letters and other documents to determine viability of municipal approval of land development projects
- Created draft model code section on land use and zoning for the City of Miami Gardens as designated task force member
- Lobbied municipal government employees and political appointees on behalf of large-scale land developer clients in ~10 South Florida local jurisdictions
- Reviewed, drafted, and commented on responses to citizen petitions, regulations, legislation, pleadings, policy documents, and legal or other correspondence on matters pertaining to client matters before municipalities, state and federal government

**United States House of Representatives**, Washington, DC

**Health Policy Legislative Assistant**, Office of Congressman John Tierney-MA, August 2000 – August 2001

**Health Policy Fellow**, Office of Congressman Bill Richardson-NM, January 1996 – June 1996

- Developed and co-chaired the Congressional Universal HealthCare Task Force Working Group, coordinating press releases, conferences and congressional hearings
- Drafted amendments and negotiated their inclusion in proposed Democratic substitutes to legislation debated on the House floor
- Drafted briefing memoranda for committee and subcommittee hearings, constituent letters, member-to-member “Dear Colleague” letters, committee and floor statements
- Analyzed legislation for proposed member co-sponsorship related to ERISA, Medicare/Medicaid, intellectual property, welfare, judiciary, housing, FDA and biotechnology reforms
- Reviewed, drafted, and commented on responses to citizen petitions, regulations, legislation, pleadings, policy documents, and legal or other correspondence on matters pertaining to EPA, FDA, DHS, HUD and USPTO jurisdiction.

**Alief Independent School District**, Houston, TX

**Sixth Grade Science Teacher**, Albright Middle School, August 1996 – June 1998

- Created and implemented a ground-up interactive middle school science curriculum, including custom-designed labs, daily PowerPoint lectures, worksheets and homework assignments that resulted in receipt of designation as an outstanding district science teacher, an annual net yield of ¾ of the school's science fair district qualifiers and a 90% passage rate on standardized testing
- *Implemented Common Core and American Harcourt Curriculum standards in lesson design and execution*
- Managed ~150 individual student research projects and presentations annually, producing one-third of the school's science fair district qualifiers in a department with nine (9) teachers

**Texas Southern University, Houston, TX**

***Communications Lecturer and Debate Team Assistant Coach***, August 1996 – July 1998

- Developed and implemented a curriculum teaching effective public speech in competitive forensics competitions, both stateside and internationally
- Organized annual university debate tournament for more than 1000 student participants from Houston area

### **SELECTED REPRESENTATIVE PRESENTATIONS**

*The Importance of Mentoring* – USPTO Alumni Extension Chapter, National Society of Black Engineers, October 2010.

*How A Bill Becomes Law in the House and Senate* – Alpha Kappa Alpha Sorority, Inc. National Convention, July 2010

*Obtaining Appointments to Boards and Commissions at the Local and State Levels* – Northern Virginia Urban League, April 2010; Virginia Leadership Institute, May 2011

*Diversity in Intellectual Property and the Life Sciences* – University of Miami School of Law, April 2011; Baylor College of Medicine, June 2011

### **SELECTED REPRESENTATIVE PATENT WORKS**

PUBLISHED Under My Name

*Prosecutions that Resulted in Issue Patents (and appurtenant Office Actions I drafted and signed leading to patent issuance)*

U.S. Patent No. 7,960,370, Type A gelatin capsule containing PUFA in free acid form

U.S. Patent No. 7,928,095, Treatment of resistant or refractory cancers with multi-arm polymeric conjugates of 7-ethyl-10hydroxycamptothecin

U.S. Patent No. 7,915,246, Methods of treating fibromyalgia syndrome, chronic fatigue syndrome and pain

U.S. Patent No. 7,902,180, Association between agomelatine & thymoregulatory agent and pharmaceutical compositions containing it

U.S. Patent No. 7,727,977, Kynurenine 3-hydroxylase inhibitors for the treatment of diabetes

U.S. Patent No. 7,468,363, Methods for treatment of cancers using 3-(4-amino-1-oxo-1,3-dihydro-isoindo-2-yl)-piperidine-2,6-dione

### **COMMUNITY INVOLVEMENT AND HONORS**

National Bar Association 2021-22 Parliamentarian and Chief Legislative/Policy Counsel; Delaware Symphony Association/Orchestra Board of Directors (2011 and current)(Vice President and Nominating Committee Chairman); DuPont Country Club Member; Delaware Art Museum Board of Trustees (former)(Current Member, Community Outreach Liaison Committee); Aspen Institute Rodel Fellow for Public Leadership; University of Virginia Sorensen Institute Fellow for Political Leadership; Alexandria-Dunbar Boys & Girls Club Board of Directors; Rotary Clubs International (Alexandria West Nominees); Hopkins House Early Childhood Center Board of Trustees; Former Member, City of Alexandria (Virginia) Early Childhood Commission; Former Inaugural Member, City of Alexandria (Virginia) Children, Youth and Families Joint Collaborative Commission; Member, Board of Trustees (former); Delaware Fund For Women Central Committee (former); Hopkins House Early Childhood Centers (Northern Virginia); Leadership Alexandria Alumnus; Junior League (Leadership Development and Training Committee Facilitator); Alpha Kappa Alpha Sorority, Inc. Leah K. Frazier Award and Marguerite Adams Award – Mid-Atlantic Region; Member, Alpha Kappa Alpha Sorority, Inc.; Alexandria Women's Commission Rising Star Award Recipient; 2009 Virginia Leadership Institute Trailblazer Award; Texas Southern University 2010 Distinguished Alumnus Award; Virginia College Building Authority(former); Virginia Commission on Government Reform and Restructuring (former); Virginia Governor's Liaison to the State Task Force on Local Mandates Review (former); Vice-chair, Potomac River Watershed Commission (former); Vice-chair, Metropolitan Washington Council of Governments Committee on Public Safety and Health (former); Former Miss Black USA (1998-2000)