

A large, colorful molecular structure graphic on the left side of the page. It consists of numerous spheres in various colors (blue, green, red, yellow, orange, pink, white) connected by thin white lines, representing atoms and bonds. The structure is set against a light blue background with a faint silhouette of a human head in profile, facing right. The spheres are arranged in a way that suggests a complex, interconnected network.

FROM
MOLECULE TO
PATIENT

ASCPT 2019
ANNUAL MEETING



Transitioning into Patent Law as a Scientist

Erin Heenan, Ph.D. J.D.

(12) **United States Patent**
Marciani

(10) **Patent No.:** **US 10,195,257 B2**
(45) **Date of Patent:** **Feb. 5, 2019**

(54) **VACCINE FORMULATIONS COMPRISING
QUILLAJA DESACYLSAPONINS AND BETA
AMYLOID PEPTIDES OR TAU PROTEIN TO
INDUCE A TH2 IMMUNE RESPONSE**

A61K 47/48038; A61K 2039/505; A61K
2039/6087; A61K 39/3955; C07H 15/256;
C07H 3/06; C07K 2317/76

See application file for complete search history.

(71) Applicant: **Qantu Therapeutics, Inc.**, Lewisville,
TX (US)

(56)

References Cited

U.S. PATENT DOCUMENTS

(72) Inventor: **Dante J. Marciani**, Lewisville, TX
(US)

5,229,490 A 7/1993 Tam
5,443,829 A * 8/1995 Kensil A61K 31/70
424/765

(73) Assignee: **Qantu Therapeutics, Inc.**, Lewisville,
TX (US)

5,958,980 A 9/1999 Rhodes
5,977,081 A * 11/1999 Marciani A61K 39/39
424/184.1

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.

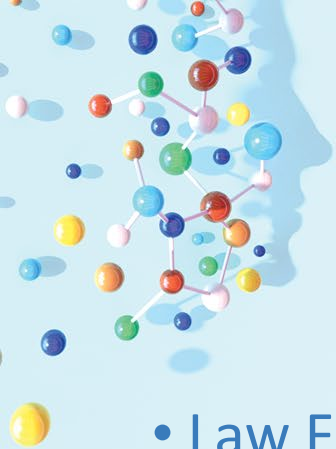
6,080,725 A * 6/2000 Marciani A61K 39/39
424/184.1
6,231,859 B1 5/2001 Kensil
6,262,029 B1 * 7/2001 Press C07J 63/008
424/184.1

(21) Appl. No.: **14/908,446**

(Continued)

My Career Path

- Graduated from the University of North Carolina at Chapel Hill in 2010 with a Ph.D. in Biochemistry and Biophysics
- Entered law school as a full-time student in Fall 2010 at George Mason University
- Started working at Sterne Kessler Goldstein & Fox in Fall 2011 as a student associate and switched to the part-time law school program
- Graduated law school Spring 2014 and began working as an associate at SKGF



Where do Scientists Work in the Legal Field?

FR
M
MOLECULE_{TO}
PATIENT

- Law Firms
- Tech transfer offices within a University
- Government: NIH, FDA, USPTO
- Large drug companies, start-ups, and biotech companies

Careers in Law

- Technical Specialist: advanced degree required; a technical specialist can be someone who just graduated or someone who has worked in industry for years
- Patent Agent: advanced degree and passage of the “patent bar” required
- Student Associate: technical specialist or patent agent in law school: go to law school part-time while working and graduate with a job and less debt
- Attorney: Ph.D./M.S., J.D.

What Do Scientists Bring to the Table?

- Their scientific expertise!
- Scientific expertise is essential to every stage of the patent process. Scientists are the ones who help define the invention and perform data interpretation. Scientists are a good source of practical applications.
- Scientists bring detailed scientific knowledge to specific fields that a lawyer without a scientific degree would not be able to grasp easily.

How Common are Scientists in the Legal Field?

- Very Common!
- For example: SKGF currently employs 100+ people with advanced degrees (54 with PhDs)
 - SKGF hires 10 technical specialists and patent agents every year- both directly out of school and from industry
 - Technical specialists generally take the patent bar and become patent agents. Patent agents frequently go to law school and become attorneys

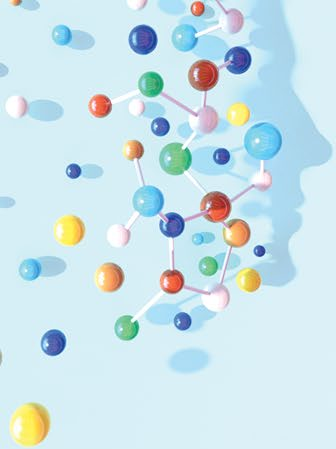
Making the Jump

- Think about if law is something you are interested in
- Go to career fairs and networking events
- Contact people in your graduate program who are in patent law
- Apply through linkedin or directly through a firm's careers page
- For government jobs, check out uspto.gov or usajobs.gov

Click on a job title for a full description

- ▶ **Associate - Biotechnology/Chemical** - (Washington, DC)
- ▶ **Associate - Computer Science** - (Washington, DC)
- ▶ **Associate - Electrical Group** - (Washington, DC)
- ▶ **Associate - Lithography/Optical Devices** - (Washington, DC)
- ▶ **Associate - Mechanical Group** - (Washington, DC)
- ▶ **Attorney with Wireless Communications Experience** - (Washington, DC)
- ▶ **Junior to Mid-Level Attorney - Trial & Appellate Group** - (Washington, DC)
- ▶ **Technical Specialist** - (Washington, DC)

(8 Results)



Questions??

FR OM
MOLECULE TO
PATIENT