

# Colin Thom

Staff Patent Agent (OED Reg. No. 71951)

colin@biostrideIP.com  
linkedin.com/in/colinthomip  
(650) 387-6189

## **STATEMENT OF INTEREST**

I am a life sciences patent agent with more than 10 years of in-house experience developing portfolios and navigating patent landscapes in the NGS, genomics, proteomics, spatial omics and single cell analysis space. By engaging deeply with R&D during this time, I have developed a strong understanding of optics, fluidics, biochemistry, and many other fields that are integrated in cutting edge research tools. I am excited to leverage my industry experience to cultivate innovation, aggressively file and prosecute patents, and navigate existing patent landscapes to help shape the next generation of research tools.

## **DEGREES**

### **Master of Science, Computational Immunology**

Stanford University, School of Medicine  
Graduation Date: June, 2013

### **Bachelor of Science, Molecular Biology**

University of California, San Diego  
Graduation Date: June, 2011

## **INTELLECTUAL PROPERTY EXPERIENCE**

### **Staff Patent Agent at Pacific Biosciences**

**2021-2025**

I engaged deeply with Product Management and R&D groups to develop patent portfolios and navigate complex NGS patent landscapes across the fields of molecular biology, chemistry, enzymology, optics, chips, fluidics, and software. I took a dive in head first approach to both patent prosecution and IP landscaping.

My primary responsibilities included:

- Patent portfolio development through patentability analysis, patent drafting, proposing and leading innovation brainstorming, aggressively prosecuting more than 60 international patent families, identifying patent acquisition opportunities, and mapping patents to third party technologies.
- Navigating third party patent landscapes through freedom to operate analyses, IP clearance checkpoints, developing workarounds, drafting invalidity charts, and supporting defensive litigation.
- Directing work from several law firms in both patent prosecution and litigation prep; I offset outside counsel cost by providing firms with initial drafts and targeted instructions.

My secondary responsibilities included:

- Supporting several functions including competitor technology assessments, IP monetization strategies, license negotiations, royalty determinations, and IP clearance review.
- Driving innovation as a core inventor on 4 separate patent applications approved for filing by our executive patent committee team and by directing specific innovation initiatives.
- Preparing patent portfolio and IP landscape visualizations and presentations to the executive team.

### **Senior Patent Agent at Fluidigm Corporation (now Standard BioTools)**

**2015 - 2021**

As a senior patent agent at Fluidigm, I aggressively developed the mass cytometry (single cell and spatial proteomics) patent portfolio and assisted in maintenance and monetization of a maturing fluidics and genomics patent portfolio. I conducted in-depth analyses to empower Fluidigm to respond to rapidly evolving technology and IP landscapes.

My primary responsibilities at Fluidigm included:

- Direct management of an emerging mass cytometry patent portfolio (comprising more than 40 patent families) through patentability analysis, provisional application and claims drafting, patent prosecution strategy development, and directing outside counsel.
- Monetization of a maturing patent portfolio through targeted patent prosecution and maintenance, infringement assessment (including claims table drafting), and participation in both internal monetization strategy discussions and external licensing and mediation.
- Mapping of issued patents to company technologies and third party technologies to guide responsible patent maintenance and pruning.
- Aggressive patent prosecution and litigation prep to deter specific competitive threats.
- Assisting strategic cases and project pipelines through third party technology assessment, freedom to operate analysis, invalidity analysis, and in-license negotiation strategy.
- Engaging R&D and business development through regular strategy meetings, quarterly IP updates, solicitation of invention disclosures, and participation in R&D meetings.

My secondary roles included driving innovation (I am listed as inventor on 3 patent applications), assessing acquisition opportunities as a clean team member in virtual data room, patent portfolio report generation and visualizations, royalty obligations assessment and forecasting, IP clearance, and preparing presentations to the executive team. I also organized several recurring company events to support social fabwork at the company.

**Patent Agent at Bozicevic, Field & Francis LLP**

**2014 - 2015**

- Drafted and prosecuted US and foreign patent applications, primarily in the life sciences.
- Performed freedom to operate and patentability analyses.
- Worked directly with academic groups to solicit invention disclosures and prosecution input.

**Passed USPTO Examination Registration (US Patent Bar), OED Registration No. 71951**

**2013**

**RESEARCH EXPERIENCE**

**Graduate Research at Stanford University School of Medicine**

**2011 - 2013**

Worked with highly dimensional datasets profiling the immune system. Developed a technique for treating cells to enable sample barcoding prior to surface staining for analysis by mass cytometry (later commercialized in Fluidigm's 20-Plex Pd Barcoding Kit).

**Research Internship at the Scripps Research Institute**

**2008 - 2011**

Investigated the role of Type 1 Protein Arginine Methyltransferases (PRMT1) in pancreatic  $\beta$ -cell function, T-cell activation and T-cell lineage commitment.

**3-month Summer Internship at DiaDexus**

**2008**

Characterized LpPLA2, a biomarker in a prognostic test for heart disease and stroke.

**9-month High School Research Internship at Stanford University**

**2007**

Investigated the role of Th17 cells in adipose tissue development and metabolism in mice.

**ADDITIONAL SKILLS**

Presentation at C-suite level, database report generation, automation of patent alerts, developing actionable patent portfolio and landscape visualizations, and creating streamlined cross-functional internal workflows.