



**Eli Lilly and Company**

# Visiting Scientist Fellowship

The Visiting Scientist Fellowship is a one-year, postgraduate program that presents PharmD, MD, PhD, and MPH graduates with direct exposure to medical, marketing, and regulatory aspects of drug development. The fellowship offers a wide array of dynamic and challenging positions; each designed to train professionals for a career in the pharmaceutical industry. Fellows directly impact the business at Eli Lilly and Company while developing valuable personal and professional skills.

*Lilly*

## The Visiting Scientist Fellowship at Eli Lilly and Company

The Visiting Scientist Fellowship is an esteemed pharmaceutical industry-based program. Established in 1994, it now has a deeply involved, highly influential, and passionate group of more than 150 alumni. The purpose of the fellowship is to develop individuals into effective, prominent professionals who will contribute to developing the next generation of drugs that will improve patients' lives.



*“The Visiting Scientist Fellowship helped me learn about roles for pharmacists in industry that I didn’t even know existed. Both the experience and the perspectives gained helped me identify an ideal career for me, one for which I was well prepared and ideally suited. Lilly’s Visiting Scientist Fellowship is one of the most important initiatives we have for bringing invaluable scientific talent into our company. The fellow’s unique and fresh perspectives, as well as their scientific expertise, add significant value to the work we do every day.”*

**Stacy Holdsworth, PharmD**

Senior Advisor, Global Regulatory Affairs—US Regulatory Policy & Strategy  
1998 Fellow, Global Regulatory Affairs  
Executive Sponsor, Visiting Scientist Fellowship

## The Pharmaceutical Industry and Eli Lilly and Company

The pharmaceutical industry offers an endless amount of opportunities for growth and advancement to motivated individuals seeking a challenging and rewarding career.

Eli Lilly and Company is a global, research-based pharmaceutical corporation that makes medicines that help people live longer, healthier, more active lives. Lilly’s products are marketed in 125 countries and include the core therapeutic areas of Diabetes, Oncology and Biomedicines. Lilly was founded in 1876, and is one of the largest pharmaceutical companies in the world. Across the globe, Lilly has developed productive alliances and partnerships that advance our capacity to develop innovative medicines at lower costs. Lilly is consistently ranked as one of the best companies in the world to work for, and generations of Lilly employees have sustained a culture that values excellence, integrity, and respect for people.



# Visiting Scientist Fellowship Positions

## Clinical Development Information & Optimization

The Clinical Development Information & Optimization (CDIO) organization drives collaboration & transparency in the planning of clinical programs/trials through use of rich data sources and novel technologies.

*The Visiting Scientist Fellow will:*

- » Gain exposure to multiple therapeutic areas and the drug development process by working in partnership with study teams to improve and optimize clinical trial design and feasibility.
- » Help the study team to align on an enrollment strategy for new trials by working collaboratively through the use of “jam” sessions, which utilize historical clinical trial data and advanced software systems.
- » Have the opportunity to connect study teams with new and innovative capabilities that can enhance trial feasibility, patient and site experience, and overall business processes.

## Clinical Innovation

The Clinical Innovation Lab at Lilly leads the development of new ideologies and capabilities in clinical research. Our main function is to act as the idea machine behind innovation in next generation clinical trial development that focuses on patient centricity and ultimately decreases time to market for new medications.

*The Visiting Scientist Fellow will:*

- » Work closely with the CDI team in a tech heavy setting to create and foster new ideas while supporting their implementation.
- » Aid in vetting out possibilities to determine feasibility, experiment with new technology application, show proof of concepts, and present stories in multimedia rich formats.
- » Give input, as a medical professional, to the development of new software and technologies that improve patient experience and speed up clinical trial processes.
- » Take lead roles on projects that influence Lilly strategy in the development of future clinical research systems.

*“Take what you find here and make it better and better.”*

-Col. Eli Lilly

## US Health Outcomes

USHO is responsible for generating and communicating real world evidence to US value-based customers. USHO Real World Outcomes Scientists develop, execute, and generate research that supports the value of Lilly products and enables customers to make better access decisions for their populations. USHO Real World Outcomes Liaisons directly interact with value-based customers (e.g. payers) to communicate and translate the research into meaningful and actionable evidence for decision-makers.

*The Visiting Scientist Fellow will:*

- » Interact with HO Scientists to understand and support the research plans and projects for specific brands and learn HO research concepts.
- » Interact with Outcomes Liaisons to understand and support external value-based customer responses and interactions.
- » Learn and use the scientific, clinical, health outcomes, and product knowledge relevant to their assignment- specific to one or across multiple brands.
- » Learn and leverage an understanding of health outcomes and value-based customers to enable success in this role.

## Data Sciences/Solutions

The Data Sciences and Solutions (DSS) organization is responsible for global consistency of medical data including structure, content, meaning, acquisition, storage, retrieval, interchange and representation. This requires an in depth understanding of data collection, data-flow management, data quality, data technology, data archiving and data standards.

*The Visiting Scientist will:*

- » Leverage scientific knowledge to serve as a liaison with medical to champion and support DSS strategy for data collection to delivery.
- » Influence through collaboration, data strategies and solutions to deliver data required to answer scientific questions raised during drug development lifecycle.
- » Be accountable for understanding techniques, approaches and data sources within the DSS strategy which are essential to meet current and emerging business needs; e.g. adaptive designs, tailored therapeutics, quantitative pharmacology, external clinical/medical and claims databases, and electronic health records.
- » Provide scientific expertise and project oversight to ensure successful data-flow that will deliver quality data which will allow for more accurate analysis.

## Global Health Outcomes - Oncology Scientist

Lilly's GPORWE function generates and communicates evidence that helps differentiate Lilly's medicines from other treatments so that payers, patients and doctors understand when and how to use the medicines and the expected patient benefits.

*The Visiting Scientist Fellow will:*

- » Provide scientific methodological and conceptual expertise to assist in the development and/or commercialization of a product and ensure successful fulfillment of health outcomes research plans.
- » Focus on diseases and/or treatments that Lilly is developing within oncology and may span the entire lifecycle of product development and commercialization.
- » Lead or participate in projects that may focus on key healthcare policy issues, economic outcomes, patient reported outcomes, clinical outcomes or therapeutic utilization.
- » Be responsible for the conduct, quality, and integrity of real world evidence studies and scientific disclosures resulting from this research.
- » Demonstrate leadership through knowledge sharing, process improvement, and identification of needs as they pertain to their primary responsibilities.

## Global Health Outcomes and Real World Evidence-Center of Expertise

*The Visiting Scientist Fellow will:*

- » Provide scientific expertise in population health/epidemiology/disease specific domain knowledge and offer effective project oversight to ensure successful fulfillment of outcomes and real world evidence research agendas to deliver better patient outcomes that are valued by payers and providers.
- » Focus on diseases and/or treatments and Lilly is developing and which span the entire lifecycle of product development and commercialization.
- » Be responsible for the conduct, quality, and integrity of outcomes and real world evidence studies and scientific disclosures resulting from this research.
- » Demonstrate and apply in-depth knowledge, understanding, and evaluation of clinical, economic, patient reported outcomes methodologies and/or real world evidence analytics & applications.
- » Support projects focusing on key health- care policy issues that impact patient outcomes.

# Visiting Scientist Fellowship Positions (continued)

## Global Medical Information

The Global Medical Information Visiting Scientist Fellow will be responsible for implementing and maintaining a global strategy for products that have already launched major indications within pivotal geographic regions. The GMI fellow will continuously strive to improve the customer experience at first customer touchpoint (including call center, digital, and field-based medical support) utilizing existing and emerging technologies to deliver innovative solutions.

*The Visiting Scientist Fellow will be involved in:*

- » Managing a global portfolio of medical information responses (including but not limited to medical letters, FAQs, slide kits, literature searches, publications, webpages, etc) according to appropriate procedures.
- » Responding to unsolicited verbal and written medical information inquiries from HCPs in a prompt, accurate, and compliant manner.
- » Utilizing customer insights to drive the medical information strategy.
- » Incorporating a multi-channel content strategy to deliver medical information to customers within their preferred channel.
- » Participating in ongoing comprehensive product/disease area training to affiliate and call center partners and serving as the medical information expert within area of responsibility.

*“The Visiting Scientist Program provided me the opportunity to go outside the box and explore career opportunities within the pharmaceutical industry. The program gave me a broad overview of the industry, therefore preparing me to better execute and provide value in my role keeping the larger picture in mind.”*

**Kati, Advisor—Global Regulatory Affairs  
1998 Fellow—Global Regulatory Affairs**

## Global Medical Affairs and Clinical Development Operations

With a focus on the customer, the Oncology Medical Affairs organization looks to support the launch of important new medicines to continue our mission to “Change the World of Cancer Care.” The operations role will work with our team to help translate cross functional needs for medical support (marketing, affiliates, regulatory etc.) for launch success into a feasible integrated global medical and clinical development launch roadmap. It is essential that the role bridge cross functionally and globally in the execution of the medical launch project plan and creation of medical solutions. This would include but not limited to, medical solution ideation, creation and deployment; medical brand planning; support of internal training; scientific data disclosure continuity; and FAQ and Customer response management. Another potential area of focus would be to support the execution of a brands global medical thought leader plans particularly the tactics linked to the global medical objectives.

## Medical Digital Strategy and Capabilities

The purpose of the Global Medical Digital Strategy fellowship is to support effective and efficient delivery of medical information and enhance customer interactions with Lilly medical affairs. Each is critical to meeting customer experience expectations and

enabling Lilly’s goal of improving patient outcomes. The fellow will complete projects related to the creation and delivery of medical information to health care professionals and consumers. The program also offers practice and familiarity with information disclosure activities including use of digital channels to communicate medical answers to customers. Additionally, the program focuses on enhancing customer experiences with Lilly such as virtual meetings and digital enhancements to live interactions. The fellow will gain experience and insight into customer channel preferences, mobile technology, and social media. The Global Medical Channels and eCapabilities group is charged with developing best in class digital capabilities for Global Medical Affairs that proactively anticipate and meet our customers’ needs.

## Global Pricing, Reimbursement and Access: New Product Planning

*The Visiting Scientist Fellow will work across therapeutic areas in the pipeline to apply scientific expertise in a commercial role. The fellow will gain insights on how payers from key markets make PRA decisions, and how those decisions affect patient access and pricing of those treatments. By the end of the program, The Visiting Scientist will:*

- » Participate in market research and advisory boards to understand payer’s needs in key markets from a macro-environmental level and for specific diseases and pipeline medicines.
- » Work with business partners to represent these payer requirements to inform the commercial strategy and clinical development program of medicines within the pipeline.
- » Develop strategic price and access recommendations and other inputs for use in forecasting.



## Pharmaceutical Project Management

- » Pharmaceutical Project Management (PPM) is proactive leadership in integrating drug development across all functions and translating strategy into execution to deliver medicines to patients.
- » The PPM has routine interactions with individuals from clinical, Chemistry/Manufacturing/Control (CMC), toxicology, ADME, regulatory, health outcomes, legal, discovery and marketing. PPM is the central hub and integration point of the drug development core team.
- » Impacts drug development strategy as relates to the project timeline, scope, budget, and risk.
- » Utilizes necessary project management skills to facilitate delivery of team milestones on time, on budget, and within scope for several early phase drug development teams in various therapeutic areas.
- » Manages cross-functional communications, documents key team information and decisions, and ensures project management systems are accurate and up to date.
- » Demonstrates leadership with regard to sharing learning, process improvement, and identification of special/complex needs as they pertain to primary responsibilities.

## Regulatory Affairs: Labeling

*The Visiting Scientist Fellow will:*

- » Develop and update Core, US and Canada labeling from initial registration throughout the lifecycle of products and devices.
- » Apply labeling regulations, competitor knowledge, and regulatory precedent to evaluate and set labeling parameters, understand and communicate the impact of decisions, influence drug development strategy and propose feasible language for marketed products to influence commercially viable labeling.
- » Network within regulatory affairs and across affiliates to improve Global labeling processes.

## Regulatory Affairs: Regulatory Intelligence

The Regulatory Intelligence Center of Excellence combines intelligence of the external regulatory and business environment with experiential learnings to drive regulatory strategy from candidate selection through post-approval.

*The Visiting Scientist Fellow will:*

- » Define, gather, analyze, and transform relevant information into useful, applicable, actionable output used to drive efficient and effective decision making for regulatory scientists.
- » Stay apprised of the external regulatory and business environment and use the information to strategically predict and manage regulatory risks and opportunities.
- » Understand US regulations and guidance documents and how they apply to the drug development process.
- » Research, create, develop and provide training on targeted regulatory intelligence tools to increase speed, value and quality of regulatory intelligence information and support regulatory strategy.

## Regulatory Affairs: Advertising and Promotion

*The Visiting Scientist Fellow will:*

- » Understand the FDA regulations and guidance documents and how they apply to advertising and promotion.
- » Attend US brand team meetings regularly and actively participate in making recommendations regarding proposed promotional activity plans.
- » Stay apprised of the external environment related to promotion and advertising and potential ramifications on the pharmaceutical industry.

## Regulatory Affairs: Central Regulatory Registrations

*The Visiting Scientist Fellow will:*

- » Demonstrate knowledge and understanding of regulations and guidelines and how they apply to regulatory registrations.
- » Demonstrate knowledge of the drug development process to build robust registration plans, and to influence teams regarding registration applications.
- » Own the operational aspects of the regulatory registration for the lifecycle of the registration record.
- » Partner with the regulatory scientist to proactively manage the registration application content.
- » Demonstrate and apply deep understanding of regulations and guidances for compliance submissions.
- » Lead registration application planning and execution to ensure meeting regulations while meeting team needs.
- » Influence and partner within Global Regulatory Affairs and cross-functionally to ensure operational consistency.

## Regulatory Affairs: Regulatory Policy

This is a split role between US and International Regulatory Policy.

*The Visiting Scientist Fellow will:*

- » Identify and assess external regulatory trends with potential to positively or negatively impact the ability of the pharmaceutical industry to bring innovative treatments to market.
- » Develop Lilly positions on key regulatory policy issues and advocate for policy change in the US, Europe, and other countries.
- » Cultivate opportunities to engage in external multi-stakeholder coalitions to achieve shared regulatory policy objectives.
- » Lead policy initiatives to enhance global regulatory compatibility.
- » Contribute to briefings and updates for Lilly senior leadership.

## Global Public Policy

*The Visiting Scientist Fellow will:*

- » Develop well-reasoned positions and sound information, through research, analysis, and collaboration, to help Lilly shape public policy in ways that support improved outcomes and continued incentives for investment in biopharmaceutical innovation.
- » Apply scientific knowledge and work cross-functionally to develop new policy solutions.
- » Focus on today's important policy issues related to topics like biologics and biosimilars, health technology assessment, healthcare reform, health financing and benefits design, and innovation policy.
- » Develop versatile skills which can be applied throughout the industry.



## Current Visiting Scientist Fellows

*"The Visiting Scientist Fellowship has afforded me the chance to dive immediately into a challenging commercial function. My specific role is a healthy blend of long-term scientific and business strategy, with very high expectations from internal stakeholders regarding my deliverables. The accelerated nature of the 1-year program is unique to Lilly, and the high-caliber Fellowship class provides a great support network both inside and outside the office."*

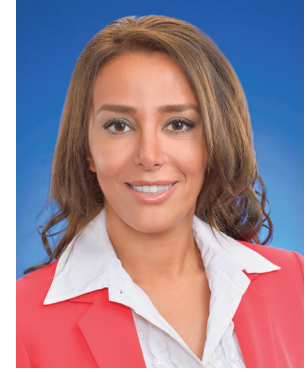
**Aidan Metzinger**, PharmD, MS



**Aidan Metzinger**, PharmD, MS  
Global Pricing, Reimbursement, and Access-  
New Product Planning  
University of Southern California



**Alejandra Camargo**, PharmD  
Data Sciences and Solutions-Data Sourcing  
Sullivan University College of Pharmacy



**Ava P. Bousher**, PharmD, DVM  
Global Regulatory Policy and Strategy  
Purdue University

*"The Visiting Scientist Fellowship has provided me with an exceptional opportunity to gain a better understanding of the drug development process and to explore the careers available within the pharmaceutical industry. As a pharmacist in regulatory, I have the chance to utilize my clinical knowledge while also contributing to regulatory team strategies that ultimately impact patient care globally."*

**Kelsey Lawfer**, PharmD



**John Devine**, PharmD  
Clinical Trial Management  
University of Georgia



**Kelsey Lawfer**, PharmD  
Global Regulatory Affairs  
Global Labeling Department  
Drake University



**Matthew Vitale**, PharmD  
Data Sciences and Solutions  
Butler University

## Experiences from the Past Fellows

*"The Visiting Scientist Fellowship provided me with the opportunity to learn about drug development and regulatory science through experiential learning. It was a rewarding fellowship which shaped my career aspirations as a pharmacist and as a scientist. It helped me develop the skills to start a career in the pharmaceutical industry."*

**Elizabeth, Sr. Director,  
Global Regulatory Affairs  
1996 Fellow—Global  
Regulatory Affairs**

*"The Visiting Scientist Fellowship provided me the opportunity to go outside the box and explore career opportunities within the pharmaceutical industry. The fellowship gave me a broad overview of the industry, therefore preparing me to better execute and provide value in my role keeping the larger picture in mind."*

**Gebra, Research Scientist,  
Global Patient Outcomes  
& Real World Evidence  
2007 Fellow—Global  
Health Outcomes**

*"As a pharmacist who is particularly interested in the commercial space, I found that few fellowships provide the opportunity to apply my clinical knowledge in the strategic development of a novel drug. This ultimately ensures that patient care needs are aligned with the business strategy."*

**Brian, Consultant - Global Pricing,  
Reimbursement, and Access  
2014 Fellow - Global PRA-NPP**



**Brandon Bergman**, PharmD  
Regulatory Affairs, Regulatory Intelligence  
Purdue University



**Chris Dolan**, PharmD  
Portfolio Support  
University of Michigan



**Christina H. Kim**, PharmD  
Regulatory Affairs, Central Regulatory Registrations  
Purdue University



**Edward J. Brauer**, PharmD  
US ML/IHS Strategy and Capabilities  
University of Southern California



**Neel Patel**, PharmD, MBA  
Regulatory Affairs, US Advertising/Promotion  
Drake University



**Stevan Tomich II**, PharmD  
Global Public Policy  
Butler University



**Theresa Hunter**, PhD, MPH, MS  
US Health Outcomes  
Indiana University



**Yu Zhou**, MS Biostatistics  
Global Health Outcomes—Center of Expertise  
University of Michigan School of Public Health

## Visiting Scientist Leadership



**Jason Singer**, PharmD,  
FACEHP, CCMEP  
Consultant, eChannel, US Medical Division



**John Kaiser**, PharmD, RPh  
Consultant, Global Regulatory Affairs, US



**April Naegeli**, DrPH, MPH  
Senior Research Scientist, Global Patient  
Outcomes and Real World Evidence,  
Center of Expertise



**Collin Churchill**, PharmD, MBA  
Outcomes Liaison, US Health Outcomes

## Application Process

Acceptance into the Visiting Scientist Fellowship (VSF) is highly competitive. In addition to outstanding scholastic achievements, qualified candidates must have demonstrated exceptional communication and leadership capabilities.

**Minimum Requirements:** PharmD, MD, PhD, or MPH degree completed by May 2016. Qualified candidates must be legally authorized to be employed in the United States. Eli Lilly and Company does not anticipate providing sponsorship for employment visa status (e.g., H-1B status) for this employment position.

Visiting Scientist Fellows are one-year fixed duration Lilly employees with full benefits including: competitive salaries, relocation assistance, vacation and company holidays, 401(k), as well as medical, dental, and life insurance. Learn more at <https://careers.lilly.com/campus>.

**How to Apply:** Submit your CV on-line beginning November 2015 at [www.lilly.com/careers/student-opportunities](http://www.lilly.com/careers/student-opportunities). In the 'Search Jobs Keyword' box enter "Visiting Scientist" and follow the instructions to apply and create a profile.

**Selection Process:** Screening interviews for PharmD candidates will be conducted at the ASHP Midyear Meeting and Exhibition December 6-10, 2015 in New Orleans, Louisiana or by contacting Lilly directly. Individuals attending Midyear should register through PPS to request an interview. Screening interviews will assess a candidate's fit for Lilly and the VSF program rather than for one of the specific 2016-2017 positions listed previously.

**On-site interviews** will be conducted at Lilly's headquarters in Indianapolis starting January 2016 and will be for a specific role. Final candidate selections will be complete by February 2016 at the latest. The start date for the 2016 fellowship will be between June and July.

Additional questions: Contact Jason Singer, at [singer\\_jason@lilly.com](mailto:singer_jason@lilly.com).

## Indianapolis, Indiana USA

*Indianapolis is the second largest city in the Midwest and the 12th largest city in the nation. With its wide-open green spaces, a bustling downtown, its rich historical architecture, modern malls, and nearly 300 downtown restaurants and bars, Indianapolis offers something for everyone. "Indy," or the "Circle City," is best known for hosting the Indianapolis 500, Brickyard 400, the Men's and Women's NCAA Basketball Championships, and, in 2012, Super Bowl XLVI.*

*However, Indianapolis also has a vast array of arts, attractions, historical sites, and eclectic cultural districts located in and near the downtown center. For a quick weekend away, Chicago, Cincinnati, St. Louis, and Louisville are all within a 4-hour drive. Indianapolis is the perfect balance of big-city style and genuine Hoosier hospitality that makes it a growing destination for corporate meetings, international events, and leisure travel. We could go on and on, but we would rather let you experience it for yourself.*

