

abbvie



Genentech  
*A Member of the Roche Group*

 Seagen

# University of Washington MS HEOR Fellowships

## Information Session

September 25, 2023

5-6 pm PST

THE CHOICE INSTITUTE

School of Pharmacy



# AGENDA

---

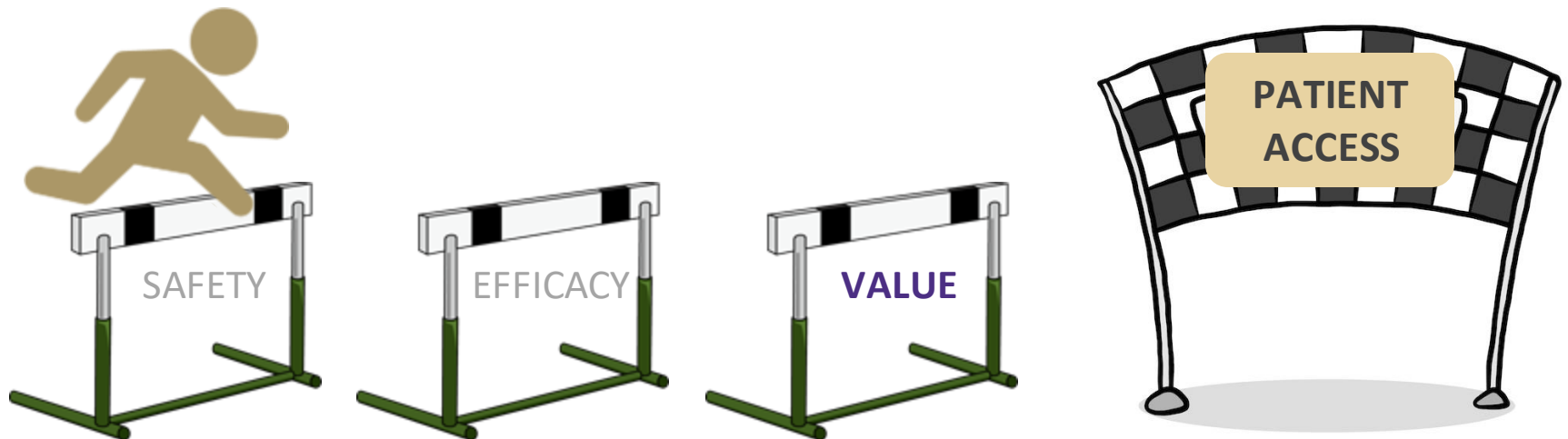
- > Brief overview of HEOR (Health Economics and Outcomes Research)
- > University of Washington (UW) fellowship programs
- > Industry partners
- > Application process
- > Q & A

**Note:** Please keep your microphone muted and submit questions in the chat box. We look forward to discussing your questions during the Q&A session!



# HEOR IN INDUSTRY: DEMONSTRATING VALUE

---

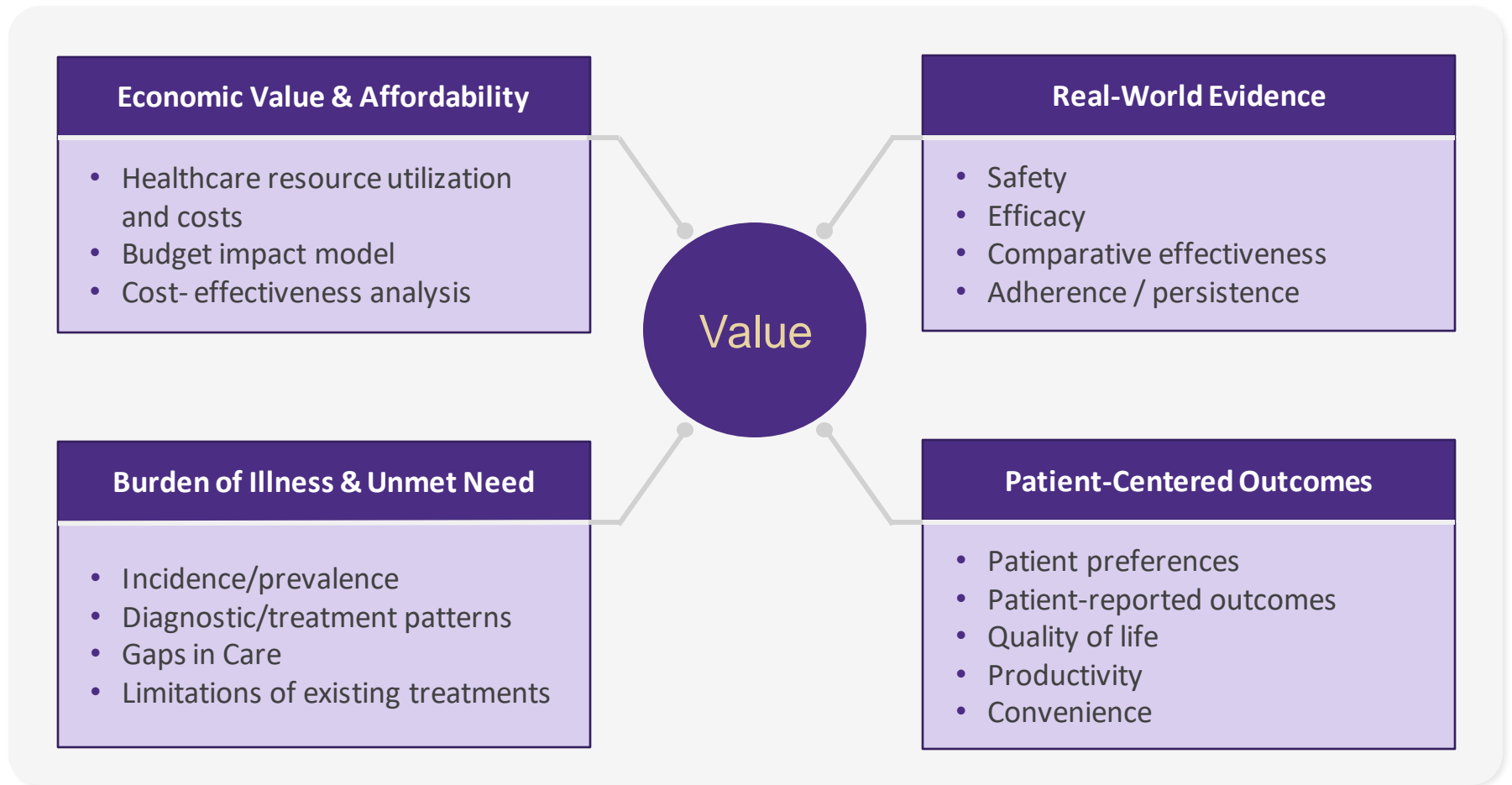


Regulatory approval is necessary but *insufficient* for patient access



# WHAT DRIVES VALUE FOR A TREATMENT?

---



# OVERVIEW OF FELLOWSHIP PROGRAMS

---

THE CHOICE INSTITUTE

School of Pharmacy



# THE CHOICE INSTITUTE

(COMPARATIVE HEALTH OUTCOMES, POLICY, AND ECONOMICS)

## Our Mission

### Research

Develop innovative methods and generate actionable evidence about the effectiveness, safety, and value of medical products and services that improve decision making in health care and policy

### Training

Provide transformative training in health economics, outcomes research, and policy analysis to meet contemporary health care challenges regionally, nationally, and globally

### Service

Be a leading resource on the effectiveness, safety, and value of medical products and services by providing expertise and facilitating collaborations at the regional, national, and global level

CHOICE is housed within the UW School of Pharmacy

# FELLOWSHIP PROGRAM FACULTY

---



**David Veenstra,  
PharmD, PhD**  
Professor



**Beth Devine, PharmD,  
PhD, MBA**  
Associate Director of  
CHOICE, Professor Emeritus



**Sean D. Sullivan,  
BScPharm, MSc, PhD**  
Professor



**Josh Carlson, MPH, PhD**  
Professor,  
Graduate Program Director



**Ryan Hansen,  
PharmD, PhD**  
Interim Chair,  
Associate Professor



**Aasthaa Bansal, PhD**  
Associate Professor



**Jing Li, PhD**  
Assistant Professor of  
Health Economics



**Kyu Lee, PhD**  
Assistant Professor of  
Health Decision Sciences

# FELLOWSHIP PROGRAM HISTORY

---

49

Fellows since  
2007

47

Publications in  
peer-reviewed  
journals

86

Abstracts presented as  
posters or podiums





# FELLOWSHIP STRUCTURE

---

## YEAR ONE: UNIVERSITY OF WASHINGTON (MS)

- Gain principles and methods of HEOR through rigorous courses in biostatistics, epidemiology, economic evaluation, and outcomes research
- Complete MS thesis (real-world data analysis)
- Present congress posters and/or publish manuscripts
- MS degree in HEOR awarded upon completion



## YEAR TWO: INDUSTRY

- Demonstrate product value utilizing strategically-focused HEOR
- Understand role of HEOR in drug development and commercialization
- Collaborate cross-functionally
  - Medical affairs/communication
  - Market access/brand strategy
  - Regulatory affairs
  - Clinical development
- Manage external vendors

### Fellowship Benefits:

Competitive stipend, insurance, relocation assistance, travel support, and full tuition coverage of the MS degree.



# PROGRAM STRUCTURE



UW (Seattle, WA)



Seagen (Bothell, WA)



Genentech  
(South San Francisco, CA)



AbbVie (Irvine, CA)  
Option 1



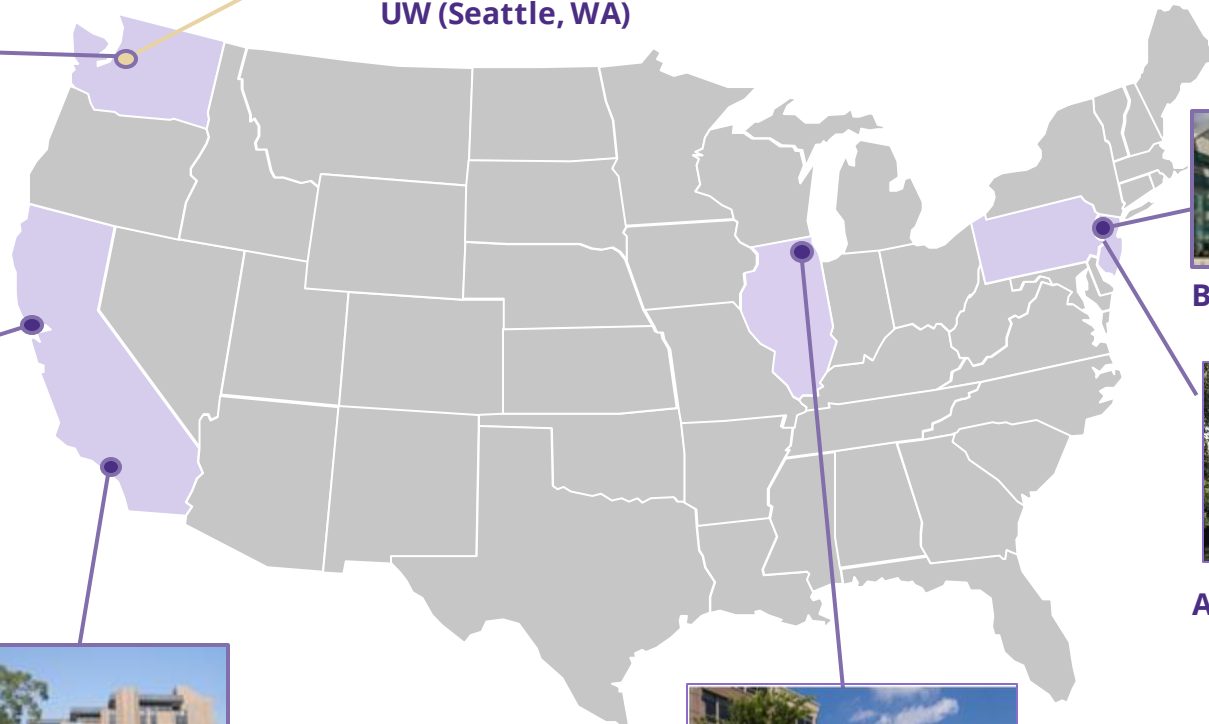
AbbVie (Lake County, IL)  
Option 2



Bayer (Whippany, NJ)



AbbVie (Madison, NJ)  
Option 3



# FELLOWSHIP COMPARISON

|                                     | <b>Bayer</b><br>(est. 2014)               | <b>AbbVie</b><br>(est. 2007)                 | <b>Genentech</b><br>(est. 2018) | <b>Seagen</b><br>(est. 2019) |
|-------------------------------------|---|--|---------------------------------|------------------------------|
| <b>1<sup>ST</sup> Year Location</b> | Seattle, WA                               |  |                                 |                              |
| <b>2<sup>ND</sup> Year Location</b> | Whippany, NJ                              | Irvine, CA<br>Madison, NJ<br>Lake County, IL | South San Francisco, CA         | Seattle, WA                  |
| <b>Number of positions</b>          | 1   | 2  | 2                               | 1                            |
| <b>Program Length</b>               | 2 years                                   |  |                                 |                              |
| <b>Programs Offered</b>             | US HEOR                                   | Global HEOR                                  | US HEOR                         | Global HEOR                  |
| <b>Eligibility</b>                  | Degree in Pharmacy and Experience in HEOR |  |                                 |                              |

# UW/ABBVIE LEADERSHIP

---

abbvie



**UW**

Kyu Lee, MS, PhD  
Endowed Assistant Professor of  
Health Decision Sciences



**UW**

Jing Li, MS, MA, PhD  
Assistant Professor of Health  
Economics



**ABBVIE**

Jae Lee, PharmD, MS  
Senior Manager, HEOR Strategy



## CURRENT FELLOWS

---

abbvie



**Filmon Haile,  
PharmD**



**Richard Ta,  
PharmD**

**1<sup>st</sup> year**



**Jae Kim,  
PharmD, MS**



**Zach Baldwin,  
PharmD, MS**

**2<sup>nd</sup> year**



# Therapeutic Areas & Projects

---

## Therapeutic Areas (TA)

- Aesthetics
- Immunology
- Oncology
- Eye Care
- Neuroscience
- General Medicine

## Projects

- Patient reported outcome (PRO): design, validation
- Real world evidence (RWE): treatment patterns, HCRU
- Economic modeling (budget impact, Markov)
- Indirect treatment comparisons

THE CHOICE INSTITUTE

School of Pharmacy

# UW/BAYER LEADERSHIP

---



## UNIVERSITY OF WASHINGTON

Ryan Hansen, PharmD, PhD  
Interim Department Chair  
Associate Professor



## BAYER PHARMACEUTICALS

Todd Williamson, MSc  
Vice President, Data  
Generation &  
Observational Studies



Rakesh Singh, PhD, MS  
Senior Director,  
Data Generation &  
Observational Studies



# CURRENT FELLOWS

---



**Jake Earl, PharmD**

**1<sup>st</sup> year**



**Arvind Katta, PharmD, MS**

**2<sup>nd</sup> year**







# Therapeutic Areas & Projects

## Therapeutic areas

- **Cardiorenal**
- **Thrombosis**
- **Oncology**
- **Women's Health**
- **Early Pipeline**
- **Cardiopulmonary**

## Projects

- **Data visualization dashboard**
- **Real-world evidence studies**
- **AMCP Dossier and budget impact model (BIM)**
- **Cost Calculator**
- **Systematic literature reviews**

THE CHOICE INSTITUTE

School of Pharmacy

## UW/GENENTECH LEADERSHIP

---



**UW**

David Veenstra, PharmD, PhD  
Professor



**UW**

Aasthaa Bansal, PhD  
Associate Professor



**GENENTECH**

Jennifer Whiteley, EdD  
Head of E4A OMNI  
Neuroscience & Rare Disease,  
US Medical Affairs



## CURRENT FELLOWS



**Emma Behan,  
PharmD**



**Alexandra Miller,  
PharmD**

**1<sup>st</sup> year**



**Spencer Cheng,  
PharmD, MS**



**Stella Ko,  
PharmD, MS**

**2<sup>nd</sup> year**



# Therapeutic Areas & Projects

## Therapeutic Areas

- Oncology
- Neuroscience
- Ophthalmology
- Immunology
- Rare Disease
- Infectious Disease

## Projects

- Burden of illness
- Real-world evidence
- Cost-effectiveness analysis
- Budget impact modeling
- Cost calculator
- Time to event analysis
- Patient/provider surveys
- Literature review

THE CHOICE INSTITUTE

School of Pharmacy

## UW/SEAGEN LEADERSHIP

---



**UW**

Josh Carlson, MPH, PhD  
Director of Graduate Program,  
Associate Professor



**SEAGEN**

Zsolt Hepp, PharmD, MS  
Senior Director, HEOR  
(US & International)



## CURRENT & PREVIOUS FELLOWS

---



**Current 1<sup>st</sup> Year Fellow**  
Jennifer Dezet Deem, PhD



**2020 - 2022**  
Jacob Silvers, PharmD, MS  
Operations Research/Systems  
Analyst, U.S. Army



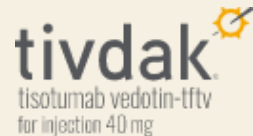
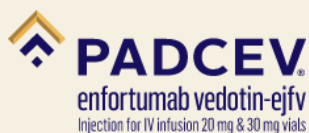
**2019 - 2021**  
Phoebe Wright, PharmD, MS  
Seagen Manager, HEOR  
(US & International)



# Therapeutic Areas & Projects

## Oncology Products

- Marketed Products



- Extensive Pipeline Assets

- ❖ Heme Oncology
- ❖ Solid Tumor Oncology

## Experiences

- Systematic Literature Reviews
- Launch Experience
- Patient Reported Outcomes (PROs) in Clinical Trials
- Real World Evidence (RWE)
- Economic Modeling
- Ad-Board and Other KOL Interactions

THE CHOICE INSTITUTE

School of Pharmacy

# Recent Fellowship Alumni: Career Outcomes

- > **Gina Ahmadyar (AbbVie 2021-2023)**
  - Manager, HEOR, AbbVie
- > **Annaliza Dominguez (AbbVie 2021-2023)**
  - Manager, HEOR, AbbVie
- > **Qixin Li (Bayer 2021-2023)**
  - Senior Scientist, Oncology Outcome Research, Astra Zeneca
- > **Tommy Majda (Genentech 2021-2023)**
  - Associate Health Economist, Genentech
- > **Justin Nedzesky (Genentech 2021-2023)**
  - Senior Manager, Health Economics and Outcomes Research, Neurocrine Biosciences
- > **Joseph Yang (GSK 2021-2023)**
  - Associate Director, HEOR Value Demonstration. Boehringer Ingelheim
- > **Kimberly Cai (AbbVie 2020-2022)**
  - Manager, Global Health Economics and Outcomes Research (GHEOR) Strategy, AbbVie
- > **Eunice Kim (Genentech 2020-2022)**
  - Associate Health Economist, Genentech
- > **Gilbert Ko (Bayer 2020-2022)**
  - Manager, Research Strategy (HEOR), Bayer
- > **Jenny Park (Genentech 2020-2022)**
  - Associate Director, Health Economics Outcomes Research, Horizon
- > **Tae Jin Park (AbbVie 2020 - 2022)**
  - Associate Director, HEOR, AbbVie
- > **Jacob Silvers (Seagen 2020-2022)**
  - Operations Research/Systems Analyst, U.S. Army



# APPLICATION PROCESS



THE CHOICE INSTITUTE

School of Pharmacy



# OVERVIEW

---

- > **Eligibility:** Degree in Pharmacy by July 1, 2024
  - Must hold U.S. citizenship or permanent residency status to apply
- > **Application Deadline:** October 23, 2023
- > **Interview Notification:** October 30, 2023
- > **Virtual Interviews:** Week of November 6, 2023
- > **Offer Notification:** Rolling, after interviews
  - Decisions requested by December 13, 2023
- > **Program Start Date:** July 1, 2024



# APPLICATION & INTERVIEW TIPS

---

- > **Contact your recommenders early**
  - Include a “cheat sheet” about yourself, the program, and why you are applying to the program along with your recommendation request
- > **Submit a strong, focused, and well-edited CV**
  - Research skills
  - Data analysis skills
  - Relevant rotations, electives, courses, and presentations
  - Leadership experience
- > **Highlight any projects relevant to HEOR**
- > **Don't forget thank you emails**
- > **Relax! Be calm, be yourself!**



# HOW TO APPLY

---

- > ASHP PPS will NOT be used this year
- > Apply directly to the UW Graduate School
- > Go to: <https://grad.uw.edu/admission/apply-now/>
  - Create a Profile and New Application
  - Application Type: Graduate
  - Graduate Program: *Pharmacy – Health Economics & Outcomes Research (MS)*
  - Quarter and Year: Autumn 2024
  - Application Questions: **\*IMPORTANT\*** add to indicate which fellowship program(s) you are applying to, select all that apply



## Program Selection

### Select your application type \* REQUIRED

Selecting "Graduate" starts the application process to be a matriculated student in a degree or certificate program. Applicants who select "[Graduate Non-Matriculated](#)" or "[Visiting Graduate](#)" should carefully review the information available through the links.



Graduate

### Find a Program

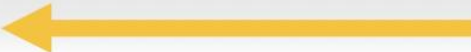
Use the fields in this section to filter for programs meeting various criteria. Your selection(s) in this section will impact the options that appear in the Program Selection section.

### Narrow Your Search

- ☐ By Campus
- ☐ By Degree

### Select your program \* REQUIRED

This list is filtered based upon your choices above.



Pharmacy - Health Economics & Outcomes Research (MS)



## Application Questions

Please select the MS fellowship program(s) to which you would like to apply. You may choose a minimum of 1 or a maximum of 4 (not ranked).

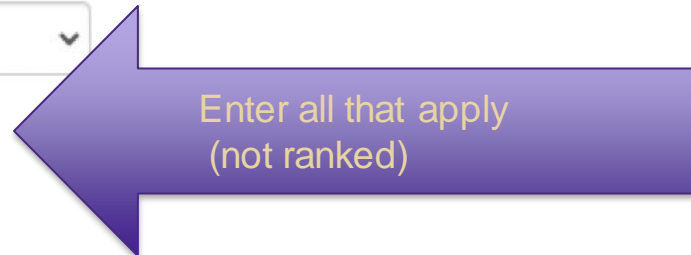
### MS Fellowship Programs

#### MS Fellowship Program 1

Abbvie Fellowship Program ▼

[Add a fellowship program](#)

**Save and Continue**




### MS Fellowship Programs

#### MS Fellowship Program 1

Abbvie Fellowship Program ▼

- Abbvie Fellowship Program
- Bayer Fellowship Program
- Genentech Fellowship Program
- Seagen Fellowship Program





A detailed how-to document for filling out your application can be found on each fellowship informational website.

Upload all application materials and submit by the Oct 23 deadline

Application Fee: \$85.00



# Application Fee Waiver Information

---

- > Financial Need Fee Waivers are available through the Graduate School
- > Fee waiver requests must be submitted at least 7 days before the deadline
- > Washington State Need Grant Program eligibility criteria is used to determine financial need.
  - Waivers are based on the 100% Median Family Income (MFI).
  - Reported income should be based on the most recent tax year.
- > For more information on how to request a waiver:  
<https://grad.uw.edu/admission/application-fee-waivers/>





# Q&A

---

THE CHOICE INSTITUTE

School of Pharmacy

W

# CONTACT US

---

> **The CHOICE Institute Staff Team**

Department of Pharmacy

206-616-1383

[uwsopchoice@uw.edu](mailto:uwsopchoice@uw.edu)

THE CHOICE INSTITUTE

School of Pharmacy

# THANK YOU!



THE CHOICE INSTITUTE

School of Pharmacy

