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!
Regulatory approval is necessary but *insufficient* for patient access.
WHAT DRIVES VALUE FOR A TREATMENT?
OVERVIEW OF FELLOWSHIP PROGRAMS
THE CHOICE INSTITUTE
(COMPARATIVE HEALTH OUTCOMES, POLICY, AND ECONOMICS)

Our Mission

<table>
<thead>
<tr>
<th>Research</th>
<th>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</th>
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<tbody>
<tr>
<td>Training</td>
<td>Provide transformative training in health economics, outcomes research, and policy analysis to meet contemporary health care challenges regionally, nationally, and globally</td>
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<tr>
<td>Service</td>
<td>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</td>
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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
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

<table>
<thead>
<tr>
<th>YEAR ONE: UNIVERSITY OF WASHINGTON (MS)</th>
<th>YEAR TWO: INDUSTRY</th>
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<tbody>
<tr>
<td>• Gain principles and methods of HEOR through rigorous courses in biostatistics, epidemiology, economic evaluation, and outcomes research</td>
<td>• Demonstrate product value utilizing strategically-focused HEOR</td>
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<tr>
<td>• Complete MS thesis (real-world data analysis)</td>
<td>• Understand role of HEOR in drug development and commercialization</td>
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| • Present congress posters and/or publish manuscripts | • Collaborate cross-functionally  
  ▪ Medical affairs/communication  
  ▪ Market access/brand strategy  
  ▪ Regulatory affairs  
  ▪ Clinical development |
| • MS degree in HEOR awarded upon completion | • Manage external vendors |

**Fellowship Benefits:**
Competitive stipend, insurance, relocation assistance, travel support, and full tuition coverage of the MS degree.
## Fellowship Comparison

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<tbody>
<tr>
<td><strong>1st Year Location</strong></td>
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<tr>
<td></td>
<td>Seattle, WA</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>2nd Year Location</strong></td>
<td>Whippany, NJ</td>
<td>Irvine, CA Madison, NJ</td>
<td>South San Francisco, CA</td>
<td>Seattle, WA</td>
</tr>
<tr>
<td><strong>Number of positions</strong></td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td><strong>Program Length</strong></td>
<td></td>
<td></td>
<td></td>
<td>2 years</td>
</tr>
<tr>
<td><strong>Programs Offered</strong></td>
<td>US HEOR</td>
<td>Global HEOR</td>
<td>US HEOR</td>
<td>Global HEOR</td>
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<tr>
<td><strong>Eligibility</strong></td>
<td></td>
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<td>Degree in Pharmacy and Experience in HEOR</td>
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UW/ABBVIE LEADERSHIP

**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

1st year

Filmon Haile, PharmD
Richard Ta, PharmD

2nd year

Jae Kim, PharmD, MS
Zach Baldwin, PharmD, MS
# 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
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  
1st year

Arvind Katta, PharmD, MS  
2nd 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
UW/GENENTECH LEADERSHIP

**UW**
- David Veenstra, PharmD, PhD
- Associate 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
Spencer Cheng, PharmD, MS
Stella Ko, PharmD, MS

1st year

2nd 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
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 1st 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**
  - **PADCEV**
    - enfortumab vedotin-efav
    - Injection for IV infusion 20 mg & 30 mg Aqueous
  - **TUKYSA**
    - tucatinib
    - 50 mg | 150 mg Tablets
  - **ADCETRIS**
    - brentuximab vedotin
    - Injection 8 mg
  - **tivdak**
    - tisotumab vedotin-ftv
    - Injection 40 mg

- **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**

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**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
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.

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).

<table>
<thead>
<tr>
<th>MS Fellowship Programs</th>
<th>MS Fellowship Program 1</th>
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<tbody>
<tr>
<td>Abbvie Fellowship Program</td>
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</table>

Add a fellowship program

Save and Continue
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/](https://grad.uw.edu/admission/application-fee-waivers/)
CONTACT US

> The CHOICE Institute Staff Team
   Department of Pharmacy
   206-616-1383
   uwsopchoice@uw.edu
THANK YOU!

THE CHOICE INSTITUTE

School of Pharmacy