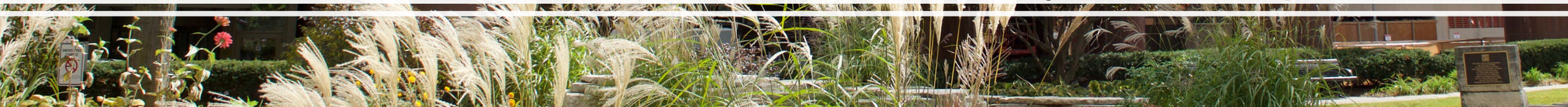




**Infectious Diseases Clinical Fellowship  
at the University of Iowa Hospitals & Clinics**





# Iowa ID Program Aims

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To mentor trainees from diverse backgrounds to be outstanding ID clinicians, exemplary in their patient care



To train leaders of healthcare teams that optimize patient safety and healthcare quality



To train physician-scholars who expand medical & scientific knowledge through teaching, research and publication

# Iowa ID Clinical Faculty



# ID Fellows

2022-2024



**Abhishek Pandya, MD**  
ID Clinical Fellow  
(F1)



**Thomas Wright, MD**  
ID Clinical Fellow  
(F1)



**Nirmal Mukuthukumarasamy, MD**  
ID Clinical Fellow  
(F1)

2021-2023



**Mike Olthoff, MD**  
ID Clinical Fellow  
(F2)



**Andrew Simms, MD**  
ID Clinical Fellow  
(F2)

2020-2024



**Joseph Tholany, MD**  
VA Quality Scholar  
(F3, Associate)



**Matt Smith, MD**  
Health Services Research Fellow  
(F3, Associate)



# New ID Fellows for 2023-2024

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Renata Gyenge, MD



Arya Zandvakili, MD



Shinya Hasegawa, MD



# Why Iowa ?

- **Excellent clinical training**
- **Flexible, personalized tracks**
- **Abundant opportunities for mentored research and other scholarly work**
- **Collegiality**
- **Ease of Living, Activities, Safety**





# ID Fellowship Leadership



**Judy Streit, MD**

Interim Division Director  
Program Director



**Ilonka Molano, MD**

Assistant Program Director



**A (Ben) Appenheimer, MD**

Assistant Program Director



# UIHC leadership and team



**Isabella Grumbach, MD, PhD**  
Interim Department Chair,  
Internal Medicine

## Internal Medicine Faculty with Roles in Diversity, Equity and Inclusion



**Jeydith Gutierrez, MD**  
Vice Chair for DEI  
Internal Medicine



**Poorani Sekar, MD**  
ID Division Representative  
Int Medicine DEI  
Committee

## Carver College of Medicine’s Office of Diversity, Equity and Inclusion



**Denise Martinez, MD and team**  
Interim Associate Vice President for Health Parity  
Associate Dean



# Overview of Training Sequence for ID Fellows



## YEAR 1:

- ~ 8 months clinical
- ~ 4 months research/other scholarly work



## YEAR 2:

- ~4 months clinical
- ~ 8 months research/other scholarly work



## Post-clinical fellowship opportunities

- 2-year research fellowship
- (In-house) Clinical Microbiology
- (In-house) Hospital Epidemiology



# ID Fellowship Tracks



## Clinician Educator\*



## Healthcare Services & Healthcare Quality\*

Hospital Epidemiology & Infection Prevention  
Antimicrobial Stewardship  
Quality Improvement  
Epidemiology of Infections



## Physician-Investigator\*

Basic science, Clinical Investigation





# Regular ID Conferences and Lectures



**Weekly** ID Faculty & Fellows' Research Conference  
or Journal Club



Virology (HIV) Clinic Conference \*Once a month on the 2nd week  
Medical Micro Sessions \*as needed



**Weekly** ID Grand Rounds



**Weekly** ID Core Curriculum Lecture  
Medical Micro Sessions



Department Fellows' Conference (2x/month)

# ID Inpatient Consult Services

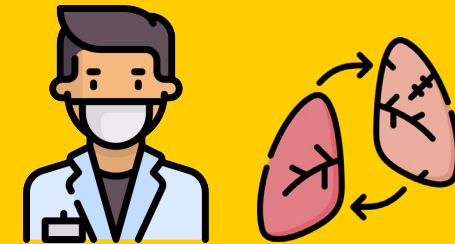
Team 1: One fellow manages team of Residents, Students; Pharmacy Trainees



Team 4/D and VA inpatient: One fellow (apprenticeship model)



Transplant ID: One fellow (4-6 weeks/yr)





# IOWA City VA Health System

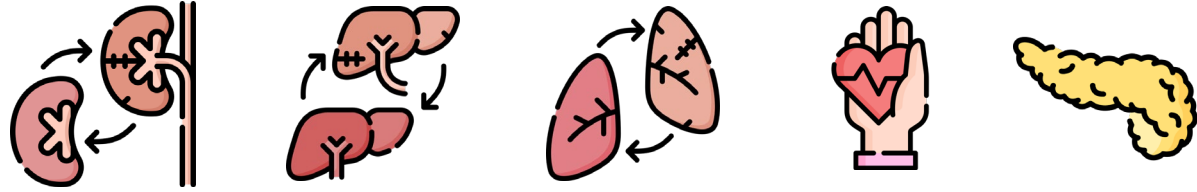
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- ~60-bed acute care hospital
- 10-bed ICU
- Transplant center
- Full array of subspecialty care
- Health Services Research Center



# Transplant Infectious Diseases at Iowa

160-180 Solid Organ Transplants/year;  
LVAD consults



24-bed ward for Acute Heme Malignancy,  
HCT, CAR T-cell patients

## ID Transplant team



Dilek Ince, MD



Lemuel Non, MD

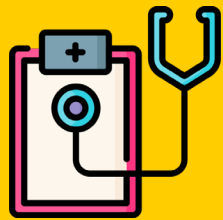


Sabrina Tan, MD



# Outpatient Consultations or Clinics

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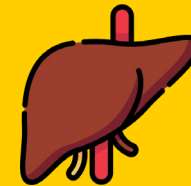
**Team 2 Clinic:**  
General Infectious  
Disease referrals



**Travel Clinic**



**COC General ID:**  
Every other week



**Viral Hepatitis Clinic**



**COC Virology Clinic (HIV):**  
Every other week

# Training in HIV Medicine at Iowa

- Ryan White-funded Virology Clinic
- Multidisciplinary Team provides excellent patient support (LMSW, Psychiatrists, Pharmacists, Care Coordinators)
- Over 700 patients enrolled
- F2 panels of ~40 patients
- HIV didactic and online curricula



Stapleton chosen to receive inaugural award in honor of Gerald DiBona, MD

APRIL 2, 2021 BY INTERNAL MEDICINE AT IOWA





# !! Additional Clinical Curricula !!



## Clinical Microbiology

2-week rotation Year 1\*  
Plus weekly sessions



## Antimicrobial Stewardship

1-week rotation Year 1\*  
IDSA Basic AMS Curriculum#



## Hospital Epidemiology:

- 1-week rotation Year 1\*
- SHEA Fellows' Course
- Training certificate course for Hospital Epi Track#



Ortho ID elective



Allergy/Immunology elective



Addiction Medicine elective



Pediatric ID elective



Dermatology elective



NTM Pulmonary Clinic elective

National and Regional  
Clinical Meetings

- *Additional weeks upon request*
- *#Advanced Curriculum can be arranged*

# Clinical Microbiology



- State-of-the-art Micro Lab on-site at UIHC
- VA Microbiology Lab on-site
- Clinical research projects available
- **Post-Clinical ID Fellow Option: ACGME-accredited Medical Micro Fellowship open to ID fellows**



Bradley Ford, MD, PhD  
Clinical Associate Professor of Pathology



Kunatum (Jin) Prasadthratsint, MD  
ID/Clinical Microbiologist



# Hospital Epidemiology and Stewardship Programs

## Hospital Epidemiology



**Karen Brust, MD**



**Takaaki Kobayashi, MD, MPH**



**Hiroyuki Suzuki, MD (VA)**

## Antimicrobial Stewardship Programs



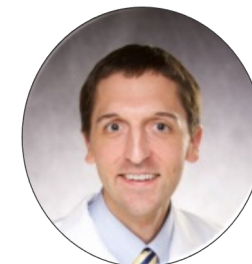
**Dilek Ince, MD**  
(\*IDSA Fellows' AMS Curriculum)



**Kelly Percival,**  
PharmD



**Patrick Kinn,**  
PharmD



**Dan Livorsi, MD (VA)**

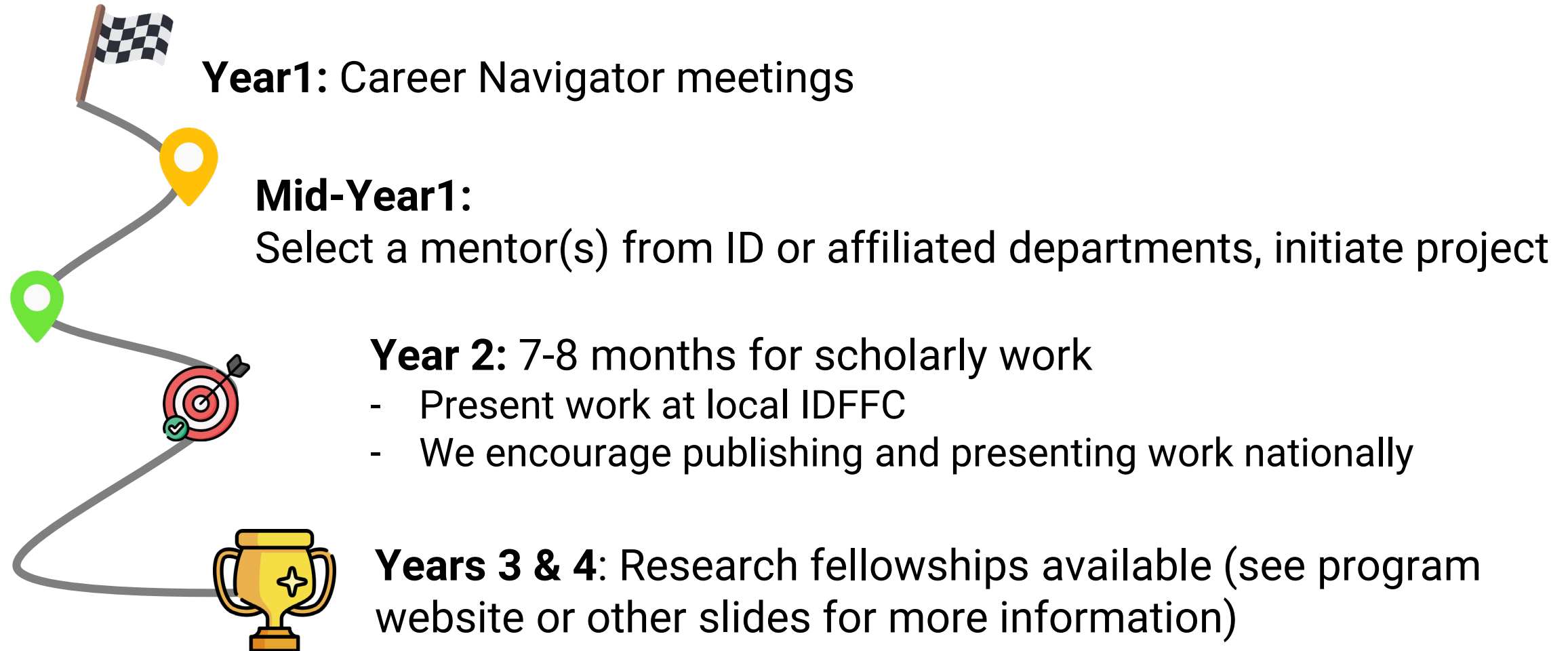


**Brett Heintz,**  
Pharm D (VA)





# The Scholarly Experience



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# Research Opportunities for ID Fellows at UIHC



# Health Services Research or Healthcare Quality

- VA Quality Scholars Program
- VA Health Services Research Fellowship  
(\*2-year program for US Citizens)
- Antimicrobial Stewardship



***Michael Ohl, MD, MSPH***



***Eli Perencevich, MD, MS***



***Michihiko Goto, MD, MSCI***



***Daniel J. Livorsi, MD***



***Hiroyuki Suzuki, MD***

# Epidemiology of Infection

## CDC/IDSA's Emerging Infections Network\*

- North American sentinel network of ID Physicians

## Program of Computation Epidemiology^

- Use computational tools to model, simulate, visualize and understand the spread of disease
- Inform public and hospital policy decisions regarding disease surveillance/prevention measures and outbreak containment\*



**\*Director, ^Co-Founder:  
*Philip M. Polgreen, MD, MPH***

# Hospital Epidemiology & Infection Prevention

**CDC Epicenter Grant** in Infection Prevention and Antimicrobial Stewardship\*

**CDC grant # 2** on Infection Prevention and Patient Safety\*

**UIHC Program of Hospital Epidemiology Projects**  
(Drs. Brust and Kobayashi)



*Loreen Herwaldt, MD*

\*Loreen Herwaldt, PI; multiple other ID faculty involved



# Healthcare for Vulnerable Populations

## Innovative models of rural healthcare

- Telehealth for HIV care/Tele PrEP
- Telehealth for infections related to opioid use disorder (in co-ordination with addiction medicine/psychiatry)



*Michael Ohl, MD, MSPH*



*Quan Kaewpoowat, MD*

## Assessing and promoting equity in healthcare delivery

- Research and public engagement in diabetes care
- Research and public engagement in COVID care



*Martha Carvour, MD, PhD*

# Global Health & Parasitism

## Basic research or short-term overseas projects

- *Leishmania* (biology, genetics, immunology)\*
- *M. leprae* infections (epidemiology in Brazil)^

## Tropical Medicine clinical experiences

- Tropical Medicine Institutes in India, Brazil^

## Certificate of Knowledge in Clinical Tropical Medicine and Travelers' Health possible

## UI CCOM Global Health Program



**Mary Wilson, MD\***

Department of Microbiology and Immunology



**Carver College of Medicine (CCOM)  
Impact Scholar**

It is based on the Hirsch index, the H-index, representing the number of research papers a faculty member has published. The papers' impact is determined by how many times other scientists and scholars have cited them in subsequent research articles.

**Mary Wilson, MD**  
Professor of Internal Medicine  
Professor of Microbiology and Immunology

[medicine.uiowa.edu/microbiology](https://medicine.uiowa.edu/microbiology)



**Selma Jeronimo, MD^**



# Iowa Inflammation Program

## **Interdisciplinary Basic Research**

(ID, Pulmonary, Peds, Anatomy & Cell Biology)

**Areas of investigation: Innate immunity, neutrophil function, host-pathogen interactions, T cell regulation**

**ID Faculty: Drs. Bill Nauseef, Mary Wilson, Prajwal Gurung, Thorsten Maretzky and Priya Issuree**

More information can be found at

<http://www.healthcare.uiowa.edu/programs/inflammation/>



# Basic and Clinical Virology Research

- **Vaccine Trials Unit**
- **HIV Clinical Trials**
- **Polyomavirus studies: bench and clinical**
- **Molecular interactions between flavirviruses and lymphocytes**
- **Molecular control of CMV activation; SARS-CoV-2 evolution**



Jack Stapleton, MD



Jeffery L. Meier, MD



Patricia Winokur, MD

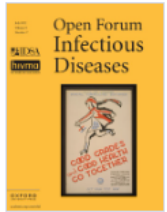


Sabrina Tan, MD



Dilek Ince, MD

# Selected Fellows Publications



Volume 9, Issue 7  
 July 2022

JOURNAL ARTICLE

## Impact of Infectious Diseases Consultation on the Outcome of Patients With Enterococcal Bacteremia: A Systematic Literature Review and Meta-analysis



Joseph Tholany ✉, Takaaki Kobayashi, Alexandre R Marra, Marin L Schweizer, Riley J Samuelson, Hiroyuki Suzuki

**CMI** CLINICAL MICROBIOLOGY AND INFECTION



Original article

## The association of infectious diseases consultation and 30-day mortality rates among veterans with enterococcal bacteraemia: a propensity score-matched retrospective cohort study

Joseph Tholany<sup>1,2</sup>, Hiroyuki Suzuki<sup>1,2</sup> ✉, Daniel J. Livorsi<sup>1,2</sup>, Eli N. Perencevich<sup>1,2</sup>, Michihiko Goto<sup>1,2</sup>



Volume 73, Issue 9  
 1 November 2021

JOURNAL ARTICLE

## Coronavirus Disease 2019 Serial Testing Among Hospitalized Patients in a Midwest Tertiary Medical Center, July–September 2020 <sup>FREE</sup>

Takaaki Kobayashi ✉, Alexandra Trannel, Stephanie A Holley, Mohammed A Alsuhaibani, Oluchi J Abosi, Kyle E Jenn, Holly Meacham, Lorinda L Sheeler, William Etienne, Angelique Dains ... Show more

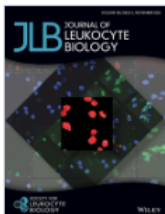
BMJ Journals

BMJ Case Reports

Case report

## Prosthetic hip infection due to *Campylobacter jejuni*

Andrew Joseph Simms <sup>1</sup> ✉, Takaaki Kobayashi <sup>2</sup> ✉, Patrick V Schwartzhoff<sup>3</sup>, Poorani Sekar <sup>2</sup> ✉



Volume 108, Issue 5  
 Nov 2020

JOURNAL ARTICLE

## Modulation of phagocytosis-induced cell death of human neutrophils by *Neisseria gonorrhoeae*

Christine Cho, Athmane Teghanemt, Michael A Apicella, William M Nauseef ✉

*Journal of Leukocyte Biology*, Volume 108, Issue 5, Nov 2020, Pages 1543–1553,  
<https://doi.org/10.1002/JLB.4MA0820-649R>

Published: 25 September 2020 [Article history](#) ▼

CASE REPORT

Open Access

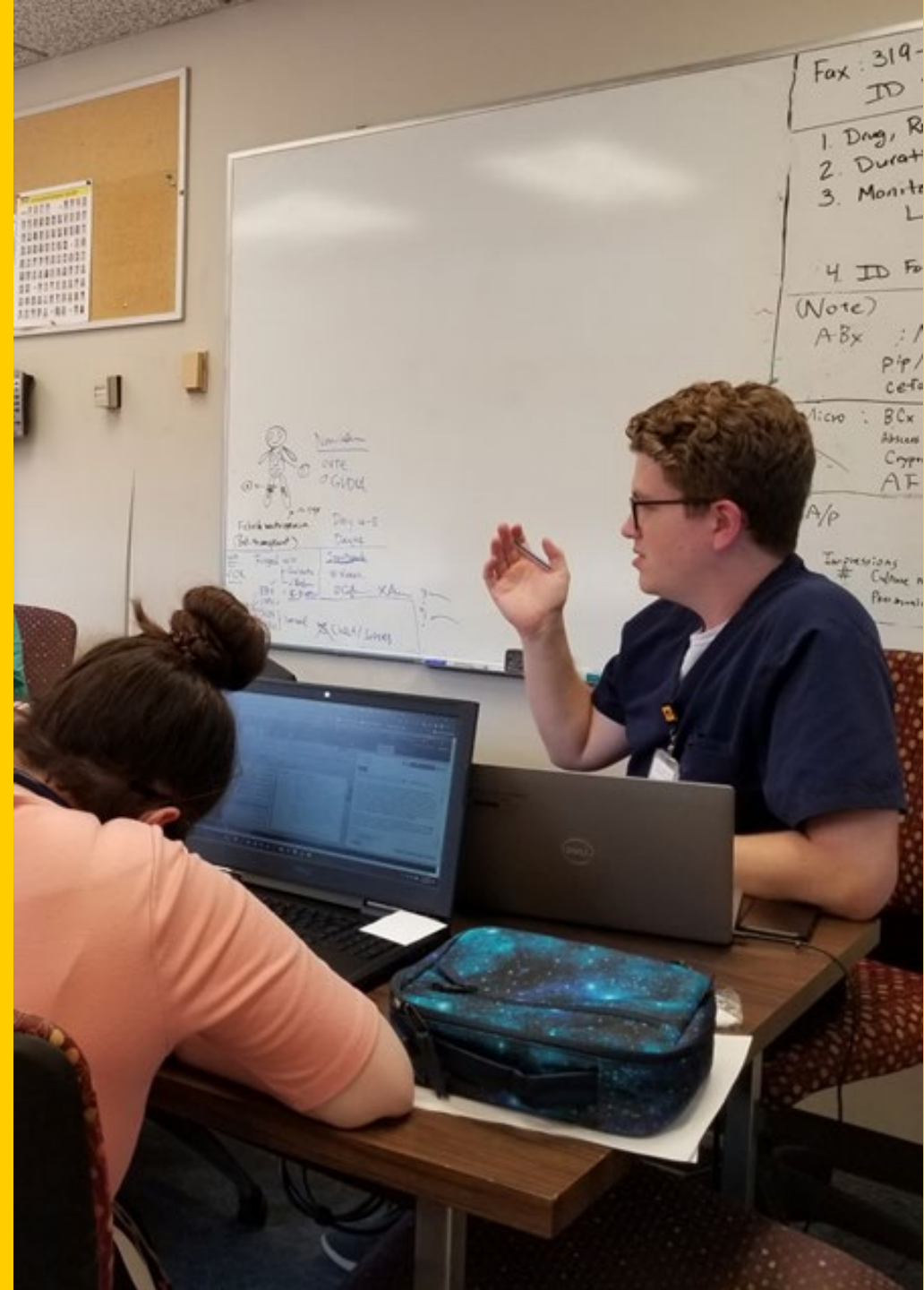
## Pelvic and central nervous system tuberculosis complicated by a paradoxical response manifesting as a spinal tuberculoma: a case report



Arya Zandvakili<sup>1†</sup> ✉, Takaaki Kobayashi<sup>2†</sup>, Quanhathai Kaewpoowat<sup>2</sup>, Meredith G. Parsons<sup>3</sup>, Bradley Ford<sup>3</sup>, Jason H. Barker<sup>2</sup> and Melinda Johnson<sup>1</sup>

# Teaching Opportunities at UIHC

- Team I: Int Med Residents and students
- Facilitate ID Curriculum Modules
- FACE (Fellows as Clinician-Educators)\*
- Medical Student Small Groups\*
- Resident noon lectures\*
- Master's of Medical Education possible if academic career path





CONGRATULATIONS



**NEW**

**BOARD-CERTIFIED IDs!**

(Don't mess with them)



# What Paths Did Our Recent Graduates Take?

Grad Year	Name	Work Setting	Institution	Location
2014	Michihiko Goto, MD	Academic	UIHC	Iowa City, IA
2014	Rima El-Herte, MD	Academic	Creighton University	Omaha, NE
2014	Jacob Hodges	Academic	UIHC	Iowa City, IA
2015	Daniel Fulton, MD	Group Practice	Mary Greeley Med Center	Ames, IA
2015	Kunatum Prasadthratsint, MD	Academic	UIHC, including Clin Micro	Iowa City, IA
2016	Alpheus Appenheimer, MD	Academic	UIHC	Iowa City, IA
2016	Sonya Rayan, MD	Group Practice		Mequon, WI
2017	Benjamin Avner, MD, PhD	Academic	Western Michigan U	Kalamazoo, MI
2017	Christine Cho, MD	Telemed ID	U of Pittsburgh	Pittsburgh, PA
2018	Jason Gass, DO	Academic	Mercy Hospital	St. Louis, MO
2019	Amrit Kaur, MD	TeleMed ID	U of Pittsburgh	
2019	Hiroyuki Suzuki, MD	Academic	UIHC & Iowa City VA Hosp Epi	Iowa City, IA
2020	Htay Phyu, MD	Group Practice	St. Joseph Regional Med Ctr	Mishawaka, IN
2020	Sammantha Kouba, DO	Academic Practice	Sanford Health	Fargo, ND
2020	Takaaki Kobayashi, MD	Academic	UIHC, Associate Hospital Epidemiologist	Iowa City, IA
2021	Fernando Casado Castillo, MD	Group Practice	ThedaCare Regional	Appleton, WI
2021	Edin Pujagic, DO	Group Practice		Pensacola, FL
2022	Matthew Smith, MD	Government/Academic	VA Health Services Research Fellow	Iowa City, IA
2022	Joseph Tholany, MD	Government/Academic	VA Quality Scholar/Research Fellow	Iowa City, IA











# Location, location, location

The reasons we love Iowa City...

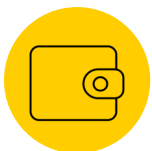
CHANGING MEDICINE.  
CHANGING LIVES.®





# Iowa City

With Big Ten sports, arts and cultural events, festivals, restaurants, theatres, parks, and music venues, there's something for everyone.



**No. 2**

Most Affordable State

U.S. News & World Report, 2019



**No. 2**

Best Place to Practice

Medscape, 2019



**No. 11**

UIHC: Best Employers for Diversity-Healthcare

Forbes, 2019



**No. 48**

America's Best Employers

Medscape, 2018



**91%**

Iowa High School Graduation Rate- Highest in the U.S.

Iowa Department of Education





# “What I like about Iowa City” from 2022 Internal Medicine residents

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*The feeling of community is palpable—whether you’re attending one of the many city events or festivals or simply walking around your neighborhood. It has all the necessary amenities of a bigger city w/o the traffic, crowds, or high \$ of living.*

*I love having close access to various outdoor activities such as biking, kayaking, hiking, etc.*

*Iowa City has so far felt like a great mix of the amenities and happenings of a bigger city with the peacefulness and natural beauty of a town.*





# Arts and entertainment are thriving in Iowa City



Jack Stapleton, MD  
Guitarist for *The Recliners*

**Iowa Arts Festival**

**Iowa City Jazz Festival**

**Friday and Saturday Night Outdoor Concert Series**

**Free Movie Series**

**LandLocked Film Festival**

**Englert Theater (national acts)**



# University Activities

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# Iowa City: #2 “Most-Fitness Friendly Places for 2020”





# Iowa City #13: The 50 Happiest Cities, USA Today

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Measures individual:

- Sense of purpose
- Supportive relationships
- Financial security
- Satisfaction with their community
- Physical health





# Iowa City: #10 on the “25 Safest College Campuses”

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- Looks at campus size, type of campus, campus location, types of crime, and data availability





# Workout Facilities





# Shopping Options



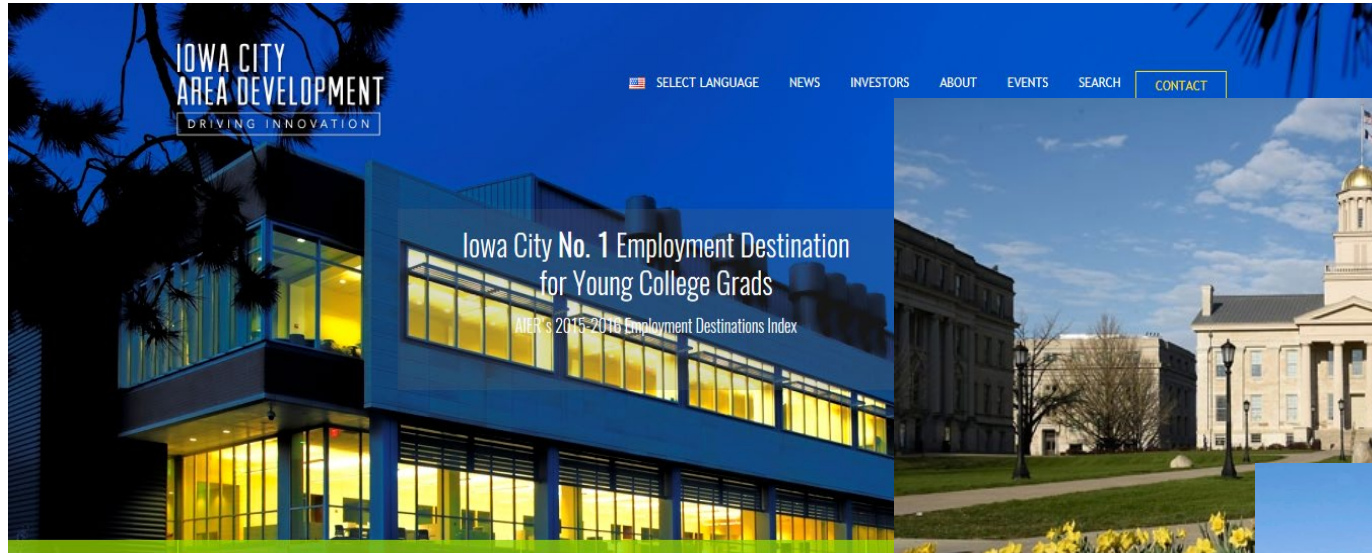
THINK IOWA CITY  
**FOODIE FEBRUARY**

FOODIEFEBRUARY.COM





# Work Places for Significant Others





# Great place to raise your kid(s)!

