

VPFA Update for Faculty Council

June 6, 2024

Mary Ahn, MD

Vice Provost for Faculty Affairs

Professor of Psychiatry and Pediatrics



24th Women's Faculty Committee Awards

UMass Chan
MEDICAL SCHOOL

May 23, 2024



Women's Faculty Committee Awards Ceremony

May 23, 2024
11:00am-1:00pm

1. SARAH STONE EXCELLENCE IN EDUCATION AWARD

Erin McMaster, MD Associate Professor, Department of Pediatrics

2. SCIENCE AND HEALTH ACHIEVEMENT AWARD

Melissa Anderson, PhD Associate Professor, Department of Psychiatry

3. EARLY CAREER ACHIEVEMENT IN SCIENCE AND HEALTH AWARD

Elise Stevens, PhD Assistant Professor, Department of Population and Quantitative Health Sciences

4. EXCELLENCE IN CLINICAL SERVICE AWARD

Gina Sullivan, MD Assistant Professor, Department of Obstetrics and Gynecology

5. OUTSTANDING MENTORING AWARD

Jennifer Reidy, MD Associate Professor, Department of Medicine

6. OUTSTANDING COMMUNITY SERVICE AWARD

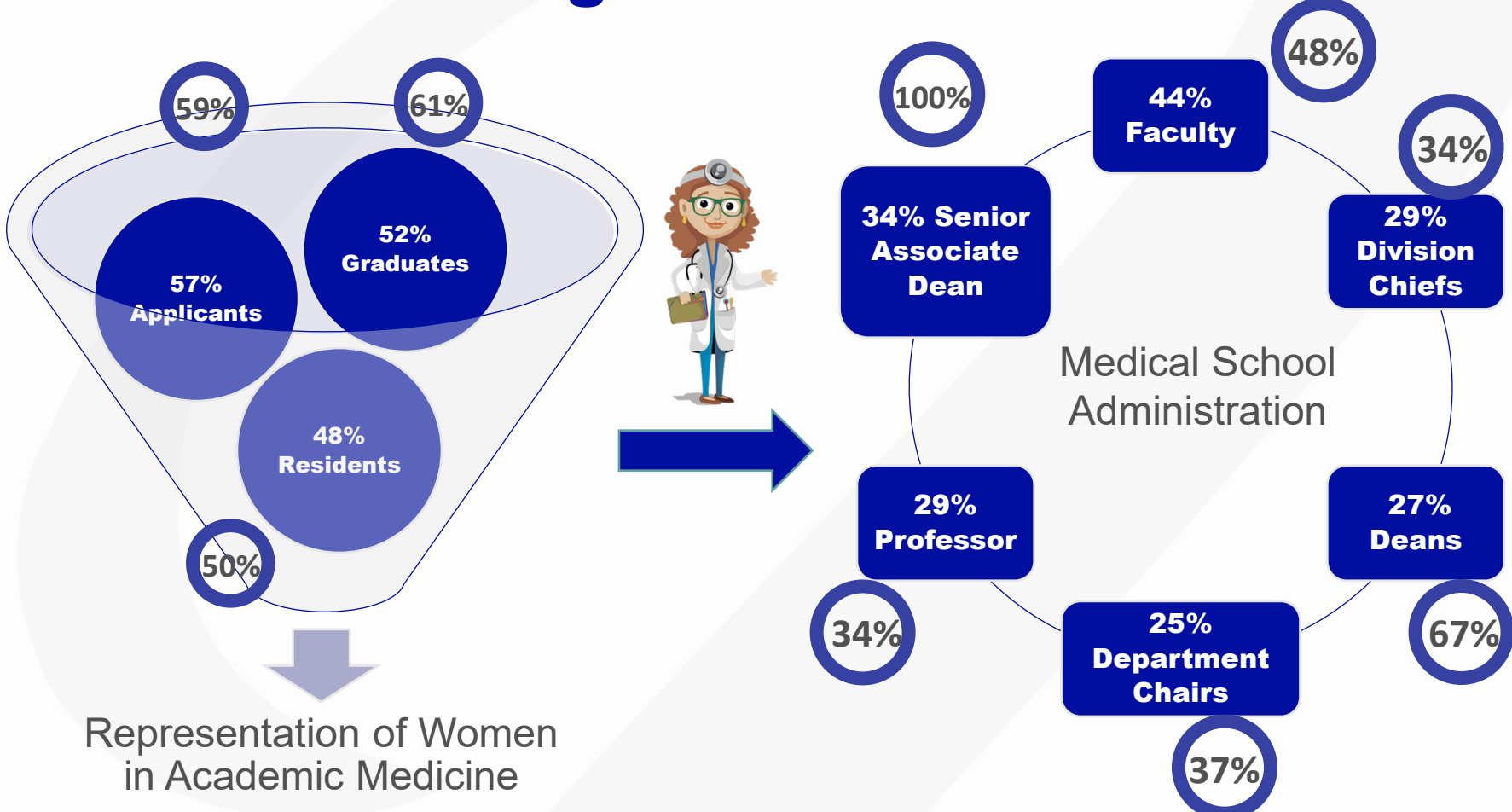
Kavita Babu, MD Professor, Department of Emergency Medicine

7. Christine K. CASSEL, MD '76 FACULTY SCHOLAR AWARD

Luu Ireland, MD, MPH Associate Professor, Department of Obstetrics and Gynecology

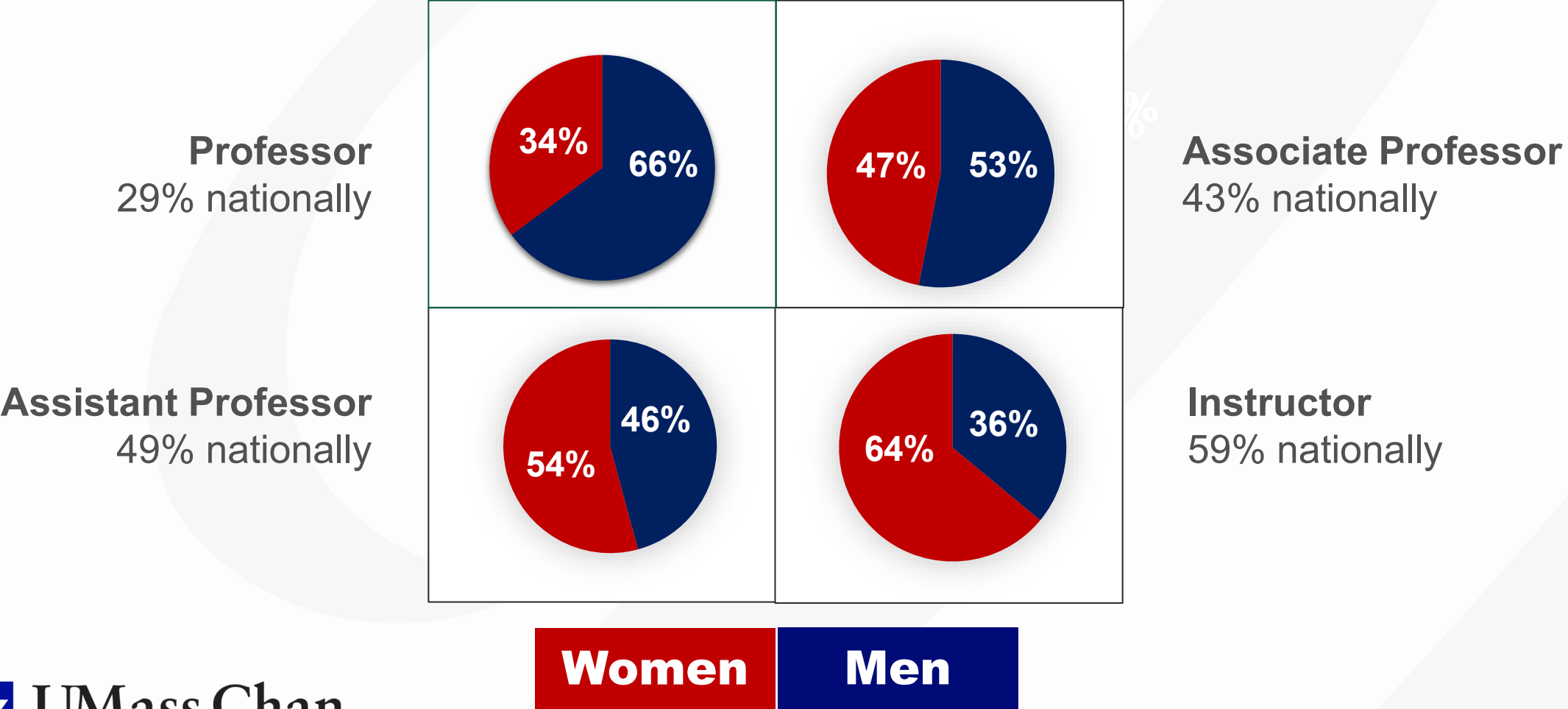


Women are better represented at UMass Chan than the national average for medical schools.



We are outpacing our peer institutions in gender representation by academic rank

Employed faculty as of April 24, 2024





Junior Faculty Development Program

2024 Cohort

Graduation May 16

2025 Cohort

Applications due June 17



Speakers

Women's Faculty Committee Virtual Health Event

Women and Stroke: Differences in Clinical Presentation, Severity & Outcomes

Friday, June 21, 2024
12:00 – 1:15pm



A.M. Barrett, MD
*Chair and Professor
Department of Neurology*



**Adalia Jun-
O'Connell, MD**
*Adjunct Associate Professor
Department of Neurology*





Beyond Kern's 6 Steps: Curricular Design for the Advanced Educator

June 25 | 12:00-1:00pm
Presenter: Guy Carmelli



NEW Slide Design Science: 3 Principles that Boost Engagement and Learning

July 25 | 5:00-6:00pm *(note evening time)*
Presenter: Mike Morrison



REQUEST FOR FACULTY DEVELOPMENT PROPOSALS

**Do you have expertise you want to share with your peer faculty?
Submit a proposal to present a faculty development session as part of the
Advance program!**

Overview

Advance is a faculty development series offered by the UMass Chan Office of Faculty Affairs that utilizes and amplifies the vast experience of our faculty. The monthly series is designed to address areas in which faculty are evaluated as part of the promotions process: *educational effectiveness, scholarship, and academic reputation.*

The Advance series takes place on Tuesdays, 12:00 – 1:00 pm, via Zoom. Proposed presentations should be no longer than 50 mins in length.

Proposals for the 2024-2025 academic year are due by August 1, 2024.

Benefits to Faculty Presenters

Advance is designed to benefit presenters as well as participants. Presenting as part of the Advance series is an opportunity for you to share your expertise with peers, grow your local

Advance Program Request for Proposals

RFP for AY25 sessions
announced June 1

Faculty development session
proposals due **August 1**



The grid contains 48 slides with the following topics:

- Slide 13: Sanni, Tokyo
- Slide 14: Organophosphates: Insecticides, Nerve Agents
- Slide 15: Organophosphates: Multiple Routes of Absorption: Respiratory, Conjunctival, GI, Dermal
- Slide 16: Organophosphates: Mechanism of Action: Inhibit Acetylcholinesterase (Muscarinic, Nicotinic, CNS)
- Slide 17: Diagram of AChE inhibition
- Slide 18: Diagram of AChE inhibition
- Slide 23: Diagram of AChE inhibition
- Slide 24: Atropine: Will Atropine work on Nicotinic receptors? No!
- Slide 25: Diagram of AChE inhibition
- Slide 26: Nerve Agent Treatment: Pyridostigmine (Pronase, DPAH) Reverses Ach-E phosphorylation. Administer ASAP - critical period - aging
- Slide 27: Case - True Story: An agitated, terrified 4 year old is rubbing briskly at her arms and legs and is screaming "get them off of me!"
- Slide 28: Organism: Sinus Bradycardia, Neck sup, Heart 100, Lungs CTA, Abd soft N, RR 23, Etrem. W Dry, Neuro non-focal, Toes down
- Slide 33: Atropa Stramonium (Jimsonweed)
- Slide 34: Image of Atropa Stramonium
- Slide 35: Antihistamines / Anticholinergics: Cyclic Antidepressants, Antipsychotics
- Slide 36: H1 Antagonists can also block muscarinic receptors. Chemical structures for Muscarinic Antagonists and H1 Antagonists.
- Slide 37: Antimuscarinics: Atropine, Scopolamine (Biotin), Cautium (Diprax). Anticholinergics: Benztropine (Diphenhydramine), Atarax (Hydroxyzine).
- Slide 38: Diagram of AChE inhibition
- Slide 43: ECG showing QRS complex
- Slide 44: Anticholinergics / Antihistamines: Antikote, Physostigmine
- Slide 45: Diagram of AChE inhibition
- Slide 46: Diagram of AChE inhibition
- Slide 47: Diagram of AChE inhibition
- Slide 48: Physostigmine: Contraindicated if QRS
- Slide 53: Table with columns: Name, Onset, Duration, Toxicity, Treatment
- Slide 54: Table with columns: Name, Onset, Duration, Toxicity, Treatment
- Slide 55: A 2 month old presents with irremediably crying/irritability. T 99.6 HR 185 RR crying BP 120/80. Pupils are big. Tox Screen (+) amphetamines. GC/MS: methamphetamine.
- Slide 56: Meth cases put strain on ERS. Includes image of newspaper clipping.
- Slide 57: Methamphetamine: First Synthesized: Japan in 1893, World War II. Distributed to German troops as "Pervitin". Reduces fatigue, heighten aggression, and diminish human warmth and empathy.
- Slide 58: Methamphetamine: Cheaper and longer lasting. Cocaine.
- Slide 63: Methamphetamine: Blocks Serotonin re-uptake. Stimulates: Dopamine release, Norepinephrine release.
- Slide 64: BP, PUA, Central/Peripheral, B1. Diagram of heart and brain.
- Slide 65: Sympathetic Stimulation: Tachycardia, Hypertension, Hyperthermia, Appetite loss, Mydriasis.
- Slide 66: Sympathetic vs. Anticholinergic: Sympathetic: Tachycardia, Hypertension, Hyperthermia, Mydriasis, Appetite loss. Anticholinergic: Bradycardia, Hypotension, Hypothermia, Miosis, Dry mouth.
- Slide 67: Image of mouth showing dental work.
- Slide 68: Methamphetamine: Euphoria, heightened sensitivity, attention, increased energy, decreased anxiety. Disphoria, fatigue, restlessness, anxiety, irritability.

Summer Intensive for Presentation Skills

July 24-26

3-day in-person workshop
18 Applications
8 Accepted participants