

# Welcome, attendees!

- Your microphone is muted on entry into the event to avoid background noise/feedback. You won't be able to unmute yourself.
- To reduce video bandwidth, your camera will remain off.
- The chat feature is turned off for this event.
- The event will begin at 4:30 pm, but please note you are live upon sign-in
- Use the Q&A feature to send your questions to Kaine Korzekwa.
- This meeting is being recorded, and your Q&A submissions will also be saved for follow-up as needed.



**Building Community**  
UNIVERSITY OF WISCONSIN  
SCHOOL OF MEDICINE AND PUBLIC HEALTH

Every person.  
Every action.  
Every time.

# Winter Faculty & Staff Meeting / Town Hall



School of Medicine  
and Public Health  
UNIVERSITY OF WISCONSIN-MADISON

*January 25, 2021*

# Agenda

- Welcome
- Genomic Medicine at UW–Madison
- Update: COVID Vaccine and Campus Developments
- Update: Anti-Racism Efforts
- Update: Building Community
- Town Hall: Questions, Comments, & Discussion





# Land Acknowledgment

- We acknowledge that the land our university occupies is ancestral Ho-Chunk land.
- The SMPH deeply values our partnership with Wisconsin's Tribes and their contributions to our shared goals and vision.



# Genomic Medicine at UW–Madison

**M. Stephen Meyn, MD, PhD, FRCPC**

Director, UW Center for Human Genomics and Precision Medicine

# UW Human Genomics / Precision Medicine Ecosystem 2017

## Main Campus Sites

CALS: Dept  
of Genetics

## Technical Infrastructure

Biotech  
Center

State Lab  
Of Hygiene | Dx Lab +  
Newborn Screening

Dept of  
Medical  
Genetics

Clinical  
Genetics  

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MSc GC  
Program

**SMPH**

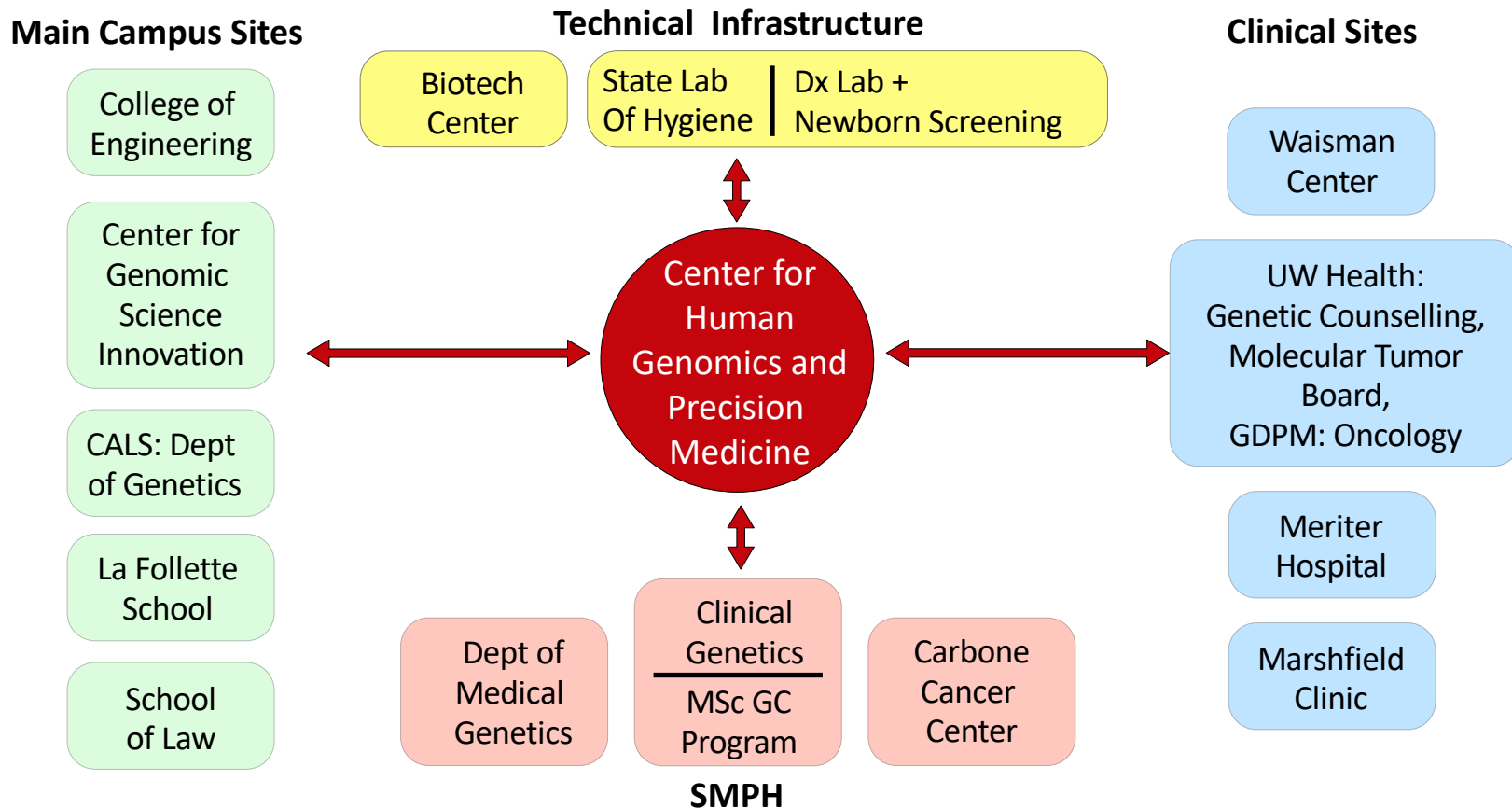
## Clinical Sites

Waisman  
Center

UW Health

Meriter  
Hospital

# UW Human Genomics / Precision Medicine Ecosystem 2020



# UW Center for Human Genomics and Precision Medicine

- Mission: To catalyze research, clinical and educational activities in human genomics and precision medicine; to grow and nurture the UW human genomics and precision medicine community; and to bring the benefits of precision medicine to all Wisconsinites

## **Center Programs/Program Leaders:**

Precision Oncology (Mark Burkard)

Rare Disorders (Stephen Meyn)

Population Health Genomics (Mei Baker)

Novel Diagnostics (Muhammad Murtaza)

Interventional Genomics (Kris Saha)

Ethics, Legal, and Social Issues (Open)

## **Current CHGPM Staff:**

Stephen Meyn (director)

Jackie McHugh (Asst. Director)

April Hall (Genetic Counsellor)

Derek Pavelec (Bioinformatics)

Brooke Villella (Program Assoc)

Kirsten Martin (Program Asst)





# CENTER FOR HUMAN GENOMICS AND PRECISION MEDICINE

 Search

Catalyzing research, clinical, and educational activities in genomics and precision medicine to benefit all Wisconsinites

- FLAGSHIP PROGRAMS ▾
- CLINICAL GENOMICS CORE
- FOR PATIENTS
- FOR RESEARCHERS ▾
- SEMINARS
- JOBS ▾
- DONATE



We are now located in the WIMR West Wedge, Floor 2!  
Scan the QR code for directions.

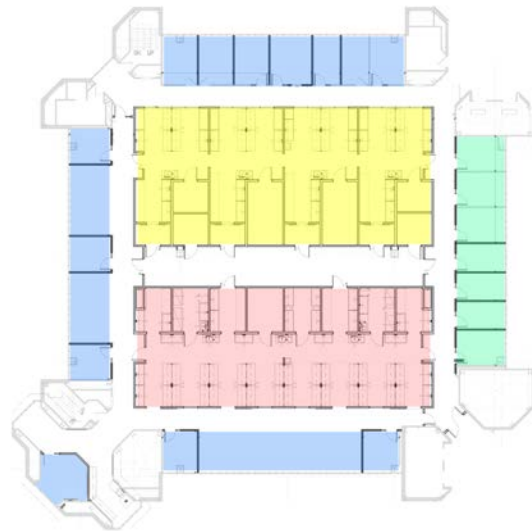
# Physical Infrastructure: We're based in the WIMR West Wedge

## CHGPM Facilities:

- WIMR West Wedge Level 2: ~10,000 ASF
- Bench science research-oriented open space labs
- Occupied – February 2020



- CSC K4-3: ~9,000 ASF
- Clinical Genomics Core / Clinical Research
- CAP/CLEA Diagnostic Development Space
- Construction Complete in Late 2021 or later

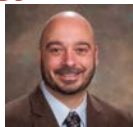


# CHGPM Community Building: Faculty Recruiting 2018-2020

## Priority Area: Genome Pathology / Novel Mechanisms of Disease

### Germline Disorders

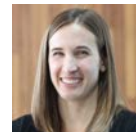
- common disease
- epigenomic disorders
- structural variants
- non-coding variants
- modifying genes



**Steve Shrodi - Medical Genetics**  
Complex disease gene discovery



**Yunn Liang - Med Microbiology**  
Sex differences in autoimmunity



**Donna Werling - Genetics**  
Sex differences in autism risk



**Saiju Payarajan - VA/Medicine**  
Million Man Project

### Somatic Disorders

- Cancer Genomics
- Mosaic Disorders



**Huy Dinh - McArdle**  
Bioinformatics +  
cancer epigenetics



**Current Search**  
Somatic Genomics



**Beth Drolet - Dermatology**  
mosaic skin diseases

## Priority Area: Development of Novel Diagnostics / Therapeutics

- Diagnostics:
- Germ line
  - Somatic
  - Cancer



**Muhammed Murtaza - Surgery**  
Cell free cancer diagnostics

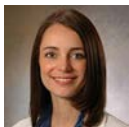


**School of Medicine  
and Public Health**  
UNIVERSITY OF WISCONSIN-MADISON

# CHGPM Community Building: Faculty Recruiting 2018-2020

## Priority Area: Rare Disease Gene Discovery and Variant Characterization

Cohort-Driven  
Gene Discovery



**Jane Churpek - Oncology/Medicine**  
Hereditary leukemias and BMF



**Kim Keppler-Noreuil - Clin Genetics**  
Mosaic genetic disorders



**Bryn Webb - Clin Genetics/Peds**  
Malformation syndromes



**Stephen Meyn - Clin Genetics/Peds**  
Genome instability syndromes

Novel Techniques for  
Variant Analysis



**Gaelin Hess - Biomolecular Chem**  
CRISPR-driven high-throughput  
Variant screening



**Owen Tamplin - Cell & Reg Biology**  
Hematopoiesis modeling  
Gene assessment via model organisms

## Priority Area: Ethical, Legal and Social Implications of Genomic Medicine (ELSI)

Empiric ELSI studies



**Nina Varsava - School of Law**  
Bioethics of precision medicine

Social Genomics



**Phillip Koellinger - La Follette School**  
GWAS of behavioral traits/PRS

# CHGPM Community Building: Collaborative Seed Grants

## Collaborative Seed Grant Program (Research)

- Spring 2019: Quiongsi Lu - Human genetic variants linked to Ebola disease severity  
Nader Sheibani - Thrombospondin 1 polymorphisms / macular degeneration  
Kris Saha - Molecular profiling of single cells tx with genome editors  
Amy Cochran - Gene set enrichment with mathematical biology  
Lixin Rui - GWAS study of PRMT5 targets in lymphoma
- Spring 2020: John Curtin - Machine Learning for smoking cessation  
James Li - Improving Dx of Autism/ADHD via genomics / neuroimaging  
Phillip Koellinger - Polygenic prediction of diseases for early intervention

## Collaborative Seed Grant Program (Clinical Implementation)

- Fall 2020: Inga Hofmann/Jane Churpek - Precision Medicine Program for Hematologic Disorders

# CHGPM Research and Clinical Activities: Flagships and Drivers

**Flagship Initiatives** – Large-scale bench to bedside efforts that engage multiple disciplines, involve both research and clinical activities, and address major challenges / opportunities in genomic medicine.

**Driver Projects** – Focused research or clinical projects that “drive” a specific theme forward. Driver projects frequently support Flagship initiatives.

## ***Flagship Initiative funded by CHGPM: Undiagnosed Diseases Program (UDP)***

- Goal: Improve the diagnosis of patients with genetic disorders and discover new disease genes
- UDP-Research enrolls 50-100 patients/year that cannot be diagnosed using standard clinical tools
- There is a clinical arm (The UDP Clinic) and research arm (UDP-Research)
- Themes: Rare Diseases, Novel Diagnostics, Global Collaboration, Genomic Equity
- Supported by Driver Projects: Ultra-long read sequencing / de novo assembly project, UW Functional Genomics Network, Stanford Metabolomics for Gene Discovery
- Partners: Waisman Center, Biotechnology Center, UW Health, SLH plus the Hospital for Sick Children (Toronto), the RDMMN project (UBC), and the Stanford Metabolic Health Center (Stanford)



# CHGPM Research and Clinical Activities: Flagships and Drivers

## Research Driver Project: Ultra-long read sequencing / de novo assembly project

- Goal: Develop clinical ultra-long read de novo assembly-based human genome sequencing  
Improve analysis / diagnosis by reaching “dark” regions and features of the pan-genome
- Themes: Rare Disease, Novel Diagnostics, Genomic Equity
- Supports Undiagnosed Disease Program and GDPM-Oncology Initiative

## Research Driver Project: UW Functional Genomics Network

- Goals: Address N of 1 problem/Link UW to global network of model organism researchers
- Develop local UW node of the Rare Diseases Models and Mechanisms Network
- Themes: Rare Disease, Global Collaborations
- Supports Undiagnosed Disease Program

## Driver Projects under development:

- Childhood Screening for Familial Hyperlipidemias
- Newborn Screening for Childhood Cancer Syndromes



# CHGPM Research and Clinical Activities: Flagships and Drivers

## **Joint Flagship Initiative with UW Health: Genomics-Driven Precision Medicine - Oncology Initiative**

- CHGPM is primarily involved in the Initiative's Predictive Genomics components
- Goal: Develop a state of the art genomics-driven cancer risk screening and management program
- Themes: Cancer Genomics, Novel Diagnostics, Population Genomics
- Supported by Driver Projects: PHOuR Breast Cancer Project, Comprehensive Cancer Genomics Program, Ultra-Long Read Sequencing Project
- Partners: UW Health, UW Biotechnology Center

## **Research Driver Project: PHOuR Breast Cancer Project**

- Goal: Develop + validate novel breast cancer risk model

## **Research Driver Project : Breast Cancer Risk Population Screening Pilot Project**

- Goals: Pilot HealthLink/MyChart-based population screening program using PHOuR models

## **Clinical Driver Project Funded by UW Health: Comprehensive Cancer Genomics Program**

- Goals: Develop a single infrastructure to support, unify, and expand UW Health Cancer Genetics

# CHGPM Research and Clinical Activities: Flagships and Drivers

## **Joint Flagship Initiative with AFCH: Sanford Pediatric Genomics Consortium**

- In 2019, AFCH joined this Consortium of 10 children's hospitals
- Goal: Advance implementation of clinical genomics through joint clinical research projects
- Supported by multiple Driver Projects:
  - Rapid Genomic Sequencing for Critically Ill Children (Rady Hospital)
  - Metabolics for Gene Discovery (Stanford/Packard Children's Hospital)
  - Gene Discovery for Immune Dysfunction (Children's Hospital of Colorado)
  - Pharmacogenomics Project (Under Development)
- Partners: AFCH / UW Health, Sanford Consortium Member Hospitals

# Policy Initiatives / Educational Activities

## **Clinical Implementation of diagnostic WES - Payer Engagement**

- Effort led by April Hall (CHGPM) and Jess Scott Schwoerer (Clinical Genetics)
- Major private insurers now approve WES
- BadgerCare (Medicaid) is implementing geneticist-managed clinical WES

## **Educational Activities**

- 2019/2020 seminars (7) primarily directed towards recruiting
- 2020-2021 virtual seminar series began last fall (Every 3<sup>rd</sup> Monday at noon)
- Co-sponsored Wisconsin Genetics Exchange annual meeting (September 2020)

# Join us and help build the future of genomic medicine at UW

## *Opportunities for collaboration / partnership:*

- Rare Disorders: Gene Discovery, Epigenomic Disorders, Novel Disease Mechanisms
- Precision Oncology: Tumour Analyses, Tumour Evolution / Mutational Spectra, Targeted Therapies
- Population Health Genomics: Predictive Genomics, Population Screening, EHR data mining
- Novel Diagnostics: Cell-Free Analysis, Improved Sequencing, RNA-Seq, Metabolomics, Proteomics
- Interventional Genomics: Gene Therapies, Mutation-Directed Therapies
- Ethics, Legal, and Social Issues: Policy, Health Care Delivery, Genomic Rights / Responsibilities



UW Center for  
Human Genomics +  
Precision Medicine



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We are on the web at: <https://chgpm.wisc.edu>

# COVID-19 Updates and Vaccine

**Jonathan Temte, MD, PhD**

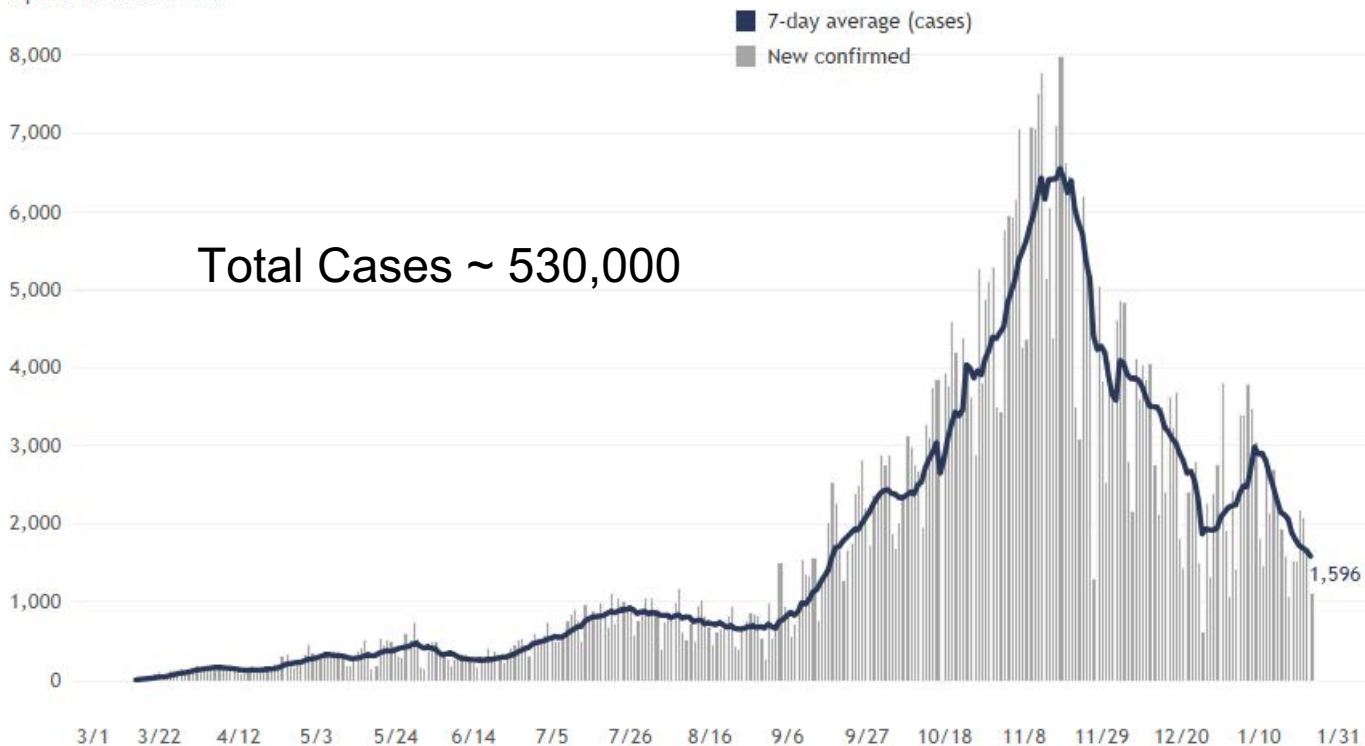
Associate Dean for Public Health and Community Engagement



# Wisconsin Cases

## New confirmed COVID-19 cases by date confirmed, and 7-day average

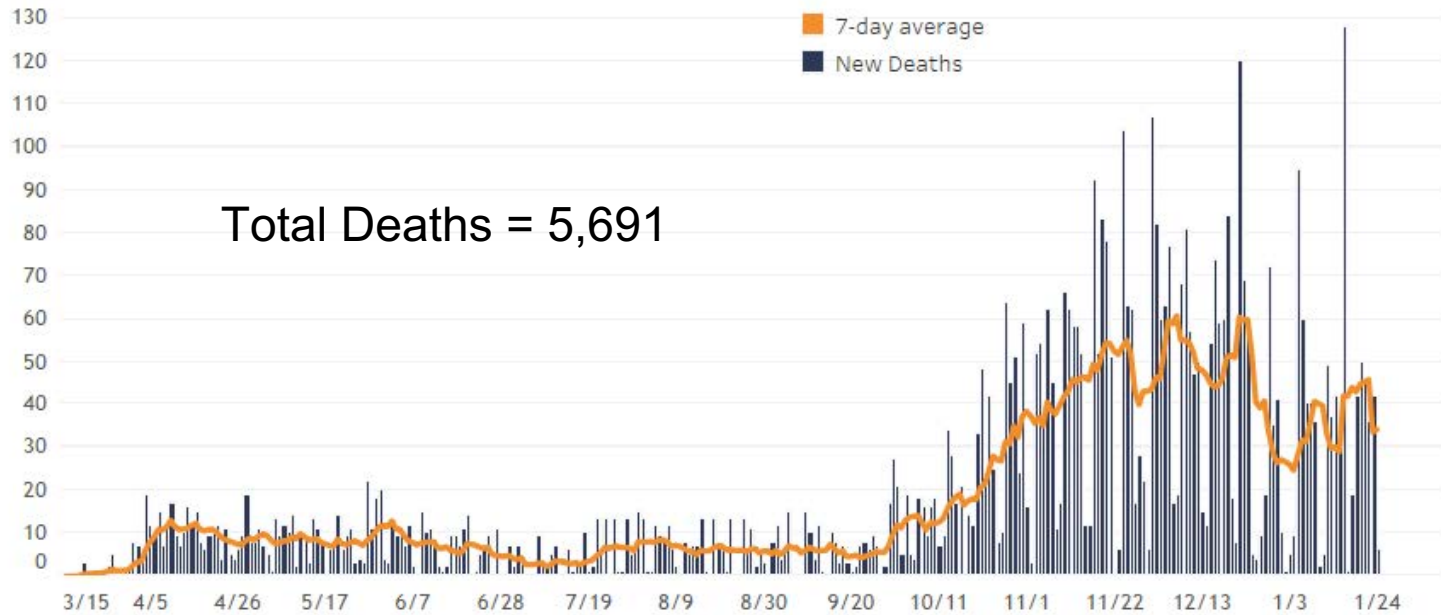
Updated: 1/24/2021



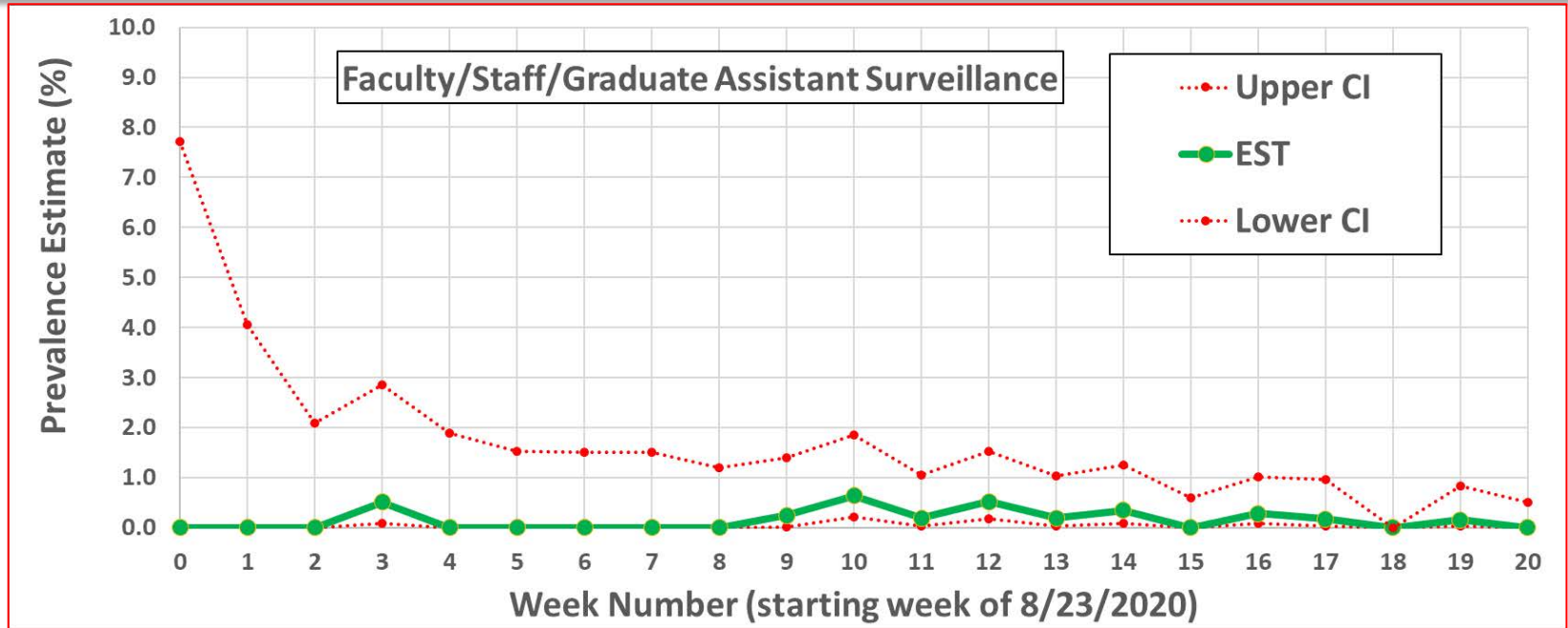
# Wisconsin Deaths

New deaths reported among confirmed COVID-19 cases by date reported

Updated: 1/24/2021



# UW Campus Faculty and Staff



Total Cases for UW Faculty and Staff since August 23, 2020 = 269

Total UW Employees = 24,000



# COVID-19 Response

Latest updates, information and planning

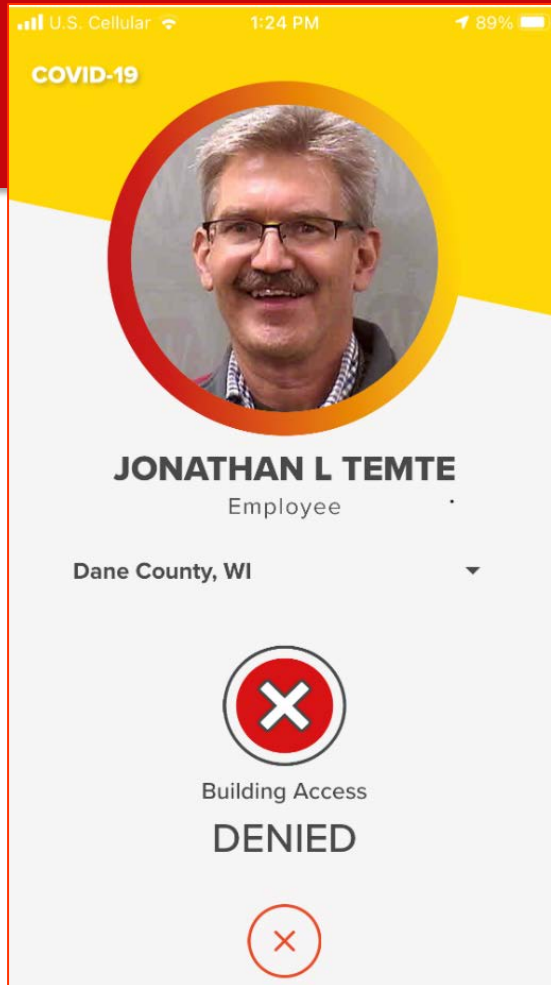
## Spring semester testing requirements

- Purpose: Keeping our community as healthy as possible by assessing for and responding to cases SARS-CoV-2 infection
- Saliva-based testing: beginning January 11
  - fast, accurate tests with results within 24 hours
  - faculty and staff working on campus or using campus facilities will be required to test regularly
  - At a minimum, any time you are coming to campus for any reason, you will need to have tested negative within the previous eight days
- Drop-in only using the Safer Badgers app to assess lines
  - website



School of Medicine  
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UNIVERSITY OF WISCONSIN-MADISON





# COVID-19 Response

Latest updates, information and planning

## Monday through Friday

21 N. Park  
7 am–4 pm

Dejope Residence Hall  
9 am–6 pm

Health Sciences Learning Center  
8 am–5 pm

Kohl Center  
8 am–5 pm

Nielsen Tennis Stadium  
6 am–8 pm

Pyle Center  
9 am–6 pm

Union South  
11 am–8 pm

## Saturday

21 N. Park  
8 am–5 pm

Nielsen Tennis Stadium  
6 am–3 pm

Pyle Center  
7 am–4 pm

Union South  
8 am–5 pm

## Sunday

Nielsen Tennis Stadium  
8 am–5 pm

Union South  
8 am–5 pm



# Wisconsin COVID-19 Vaccine Phase 1a

(approved by SDMAC on 12/17/2020)

- **Healthcare Personnel** (estimated population = 450,000)

The Subcommittee agreed to define healthcare personnel (HCP) eligible for vaccination as:

*“individuals who provide direct patient service (compensated and uncompensated) or engage in healthcare services that place them into contact with patients who are able to transmit SARS-CoV-2, and/or infectious material containing SARS-CoV-2 virus.”*

- **Residents and Staff of Long-term Care Facilities** (90,000)

The Subcommittee agreed to define Residents of Long-Term Care Facilities (RLTCF) as:

*“adults who reside in facilities that provide a variety of services, including medical and personal care, to persons who are unable to live independently.”*

# Wisconsin COVID-19 Vaccine Phase 1b

(approved by SDMAC on 1/21/2021)

## HIGH-RISK INDIVIDUALS/SETTINGS

- People aged 65+ years
  - 1,020,000
- IRIS and Family Care Recipients
  - 40,000-50,000
- Facility staff and residents of congregate settings
  - 237,902

## PUBLIC-FACING ESSENTIAL WORKERS

- Non-EMS First Responders
  - 27,880
- Education and childcare
  - 160,000
- Non-frontline health care personnel
  - 25,000

- 9-11 Operators
  - 25,989
- Utility Employees
  - 11,195
- Public Transit
  - 27,560
- Food Chain
  - 72,804
- Mink Husbandry
  - 300

**~ 1,650,000 Individuals**

# COVID-19 Vaccine Rollout

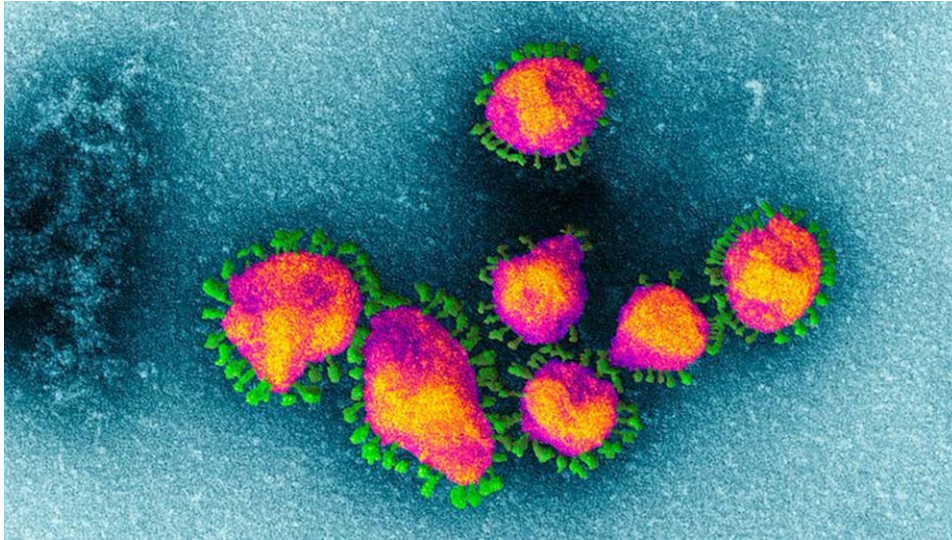


~ 47% of Phase 1a

<https://www.dhs.wisconsin.gov/covid-19/vaccine-data.htm>

# Hot Topics in Public Health

## The Coronavirus Pandemic at One Year



January 27, 2021  
4:00 – 5:15 pm

[go.wisc.edu/smphpublichealthevent](https://go.wisc.edu/smphpublichealthevent)

# SMPH Anti-Racism Efforts

**Robert N. Golden, MD**

Dean of the School of Medicine and Public Health

# SMPH MLK Jr. Day Celebration

- Keynote by Tito Izzard, MD '96: analysis of the ongoing impact of slavery on American descendants and its relationship to health inequities
- Launched the SMPH Spring 2021 Initiative: “Advance Health by Acting Against Racism” (see [go.wisc.edu/smphagainstracism](https://go.wisc.edu/smphagainstracism))
  - Other events (e.g. film screenings)
  - Resources
  - April 20 Diversity Summit
- Special thanks to interim co-Chief Diversity and Inclusion Officers and other organizers



# CDIO Search Update

- The initial search did not result in an offer
- Helped clarify what we need
- Based on input, we are recrafting our plans
- Search(s) will “reboot” with v2 soon
- Thank you to the search committee and its co-leaders, and to everyone who provided thoughtful input
- “You gotta know where you are going if you want to get there” (Y. Berra)

# Anti-Racism Curricula Update

- Fall 2020: convened a group led by Angela Byars-Winston, PhD, professor of medicine, and Karin Silet, senior instructional specialist
- Two curricula:
  - white identified individuals
  - people of Color
- Launching initial pilot cohorts this spring
  - white identified department chairs
  - faculty of Color
- More information coming soon

# Building Community Update

**Elizabeth M. Petty, MD**

Senior Associate Dean for Academic Affairs

Professor, Department of Pediatrics

Chair, Building Community Steering Committee

[go.wisc.edu/buildingcommunity](https://go.wisc.edu/buildingcommunity)



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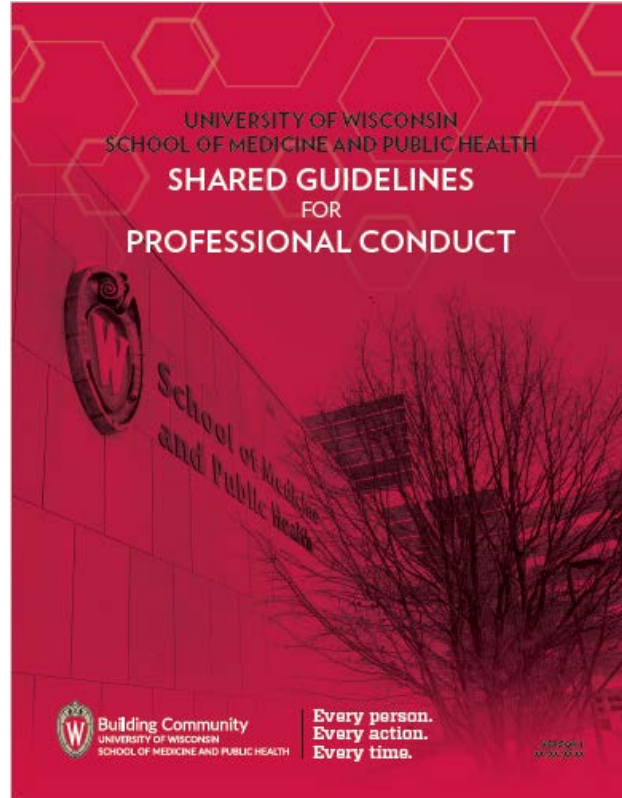
# Building Community Steering Committee

- **Nakul Aggarwal**, MD/PhD Student, Community Builders Representative
- **Aimee Becker**, Chief Medical Officer, UW Health
- **Shiva Bidar-Sielaff**, Vice President, Diversity Equity & Inclusion, UW Health
- **Hope Broadus**, Associate Dean for Human Resources
- **Cory Geisler**, Vice President, Provider Services, UW Health
- **Valerie Gilchrist**, Professor, Department of Family Medicine and Community Health
- **Susan Goelzer**, Associate Dean for Graduate Medical Education
- **Allison Golden**, Chief of Staff
- **Margo Heston**, PhD Student, Community Builders Representative
- **Jim Keck**, Associate Dean for Basic Research Training
- **Gwen McIntosh**, Associate Dean for Students
- **Kenneth Mount**, Senior Associate Dean for Finance
- **Peter Newcomer**, Chief Clinical Officer, UW Health
- **Robyn Perrin**, Director of Strategic Communications
- **Sherryl Pertzborn**, Administrative Director and Business Manager, Academic Affairs
- **Elizabeth Petty**, Senior Associate Dean for Academic Affairs (*Executive Sponsor*)
- **Nancy Raymond**, Associate Dean for Faculty Affairs and Development
- **Sue Rees**, Vice President, Chief Nursing Office – Inpatient, UW Health
- **Ann Sheehy**, Associate Professor, Department of Family Medicine and Community Health
- **Caroline Swenson**, Quality Assurance Manager
- **Gregory Thompson**, Associate Dean for Gundersen Academic Campus
- **Joscelin Eberle**, Accreditation and Quality Improvement Associate (*Admin Support*)

# Shared Understanding Work Team

- **Andrea Schmick** (Co-Chair) Communications Director, Department of Medicine
- **Jennifer Stevens** (Co-Chair) Department Administrator, Obstetrics and Gynecology
- **Lyndsey Deverman** Clinical Team Manager, CCC (SMPH)
- **Quinn Fullenkamp** Department Administrator, Population Health (SMPH)
- **Mark Juckett** Professor, Hematology-Oncology (SMPH)
- **Leigh Larson** Director, UW Health GME and Medical Staff Administration (UWH)
- **Sarah MacKay** Resident, Department of Pediatrics (UWH)
- **Rob Miller** Provider Services Consultant (UWH)
- **Andrea Poehling** Director, Academic Program Development and Evaluation (SMPH)
- **Patti Thompson** Program Assistant Confidential, Administration (SMPH)
- **Jenna Trepanier** Director, Performance Management and Organizational Development (UWH)
- **Kylee Zander** Human Resources Manager (SMPH)

# Shared Guidelines for Professional Conduct



- Goal: To help create an environment where all feel valued, included and empowered through a shared understanding of guidelines for professional conduct at SMPH
- Mission-aligned
- Approved by Steering Committee and Dean's Leadership Team,
- For all members of the SMPH community
- School-wide rollout

# Shared Guidelines for Professional Conduct

## Shared Guidelines for Professional Conduct

### Table of Contents

1. [OUR VISION](#)
2. [SMPH MISSION AND VALUES](#)
3. [PURPOSE](#)
4. [APPLICABILITY](#)
5. [GUIDING PRINCIPLES AND BEHAVIORS](#)
  - Be Accountable: Act with Honesty, Integrity, and Fairness.
  - Commit to Respect, Kindness, Compassion, and Altruism.
  - Demonstrate Innovation and Excellence.
  - Embrace Diversity, Equity, and Inclusion.
6. [REPORTING CONCERNS](#)
7. [RELATED POLICIES, GUIDELINES AND OTHER RESOURCES](#)

>> DOWNLOAD PDF: [SHARED GUIDELINES FOR PROFESSIONAL CONDUCT](#)



<https://go.wisc.edu/sharedguidelines>



# Well-Being Advisory Committee

- Well-being Advisory Committee
  - Charge:
    - Prioritize, develop, and implement SMPH well-being initiatives
    - Provide guidance on related policy development
    - Oversee programming and community engagement teams
  - Co-Chairs:
    - Carrie Hill, Payroll & Benefits Manager, HR
    - Sarah Webber, Assistant Professor of Pediatrics, Division of Pediatric Hospital Medicine
  - Launched December 2020

# Equity, Inclusivity, and Engagement Policy Assessment Team

- Charge:
  - Develop the toolkit for conducting SMPH policy assessment,
  - Prioritize, review, and identify gaps and
  - Recommend policy change for addressing disparities and mitigating barriers to DEI
- Co-Chairs:
  - Melissa Harrell Robinson, Director, Pathway Programs and Recruitment, MD Admissions
  - Kristen Seguin, Director of Talent Management, HR
- Launching February 2021

# Town Hall

Open for Questions,  
Comments, and Discussion