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.
Winter Faculty & Staff Meeting / Town Hall

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
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
• 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)
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
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

Steve Shrodi - Medical Genetics
Complex disease gene discovery

Yunn Liang - Med Microbiology
Sex differences in autoimmunity

Donna Werling - Genetics
Sex differences in autism risk

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Bioinformatics + cancer epigenetics

Current Search
Somatic Genomics

Beth Drolet - Dermatology
mosaic skin diseases

Muhammed Murtaza - Surgery
Cell free cancer diagnostics
### Priority Area: Rare Disease Gene Discovery and Variant Characterization

<table>
<thead>
<tr>
<th>Cohort-Driven Gene Discovery</th>
<th>Jane Churpek - Oncology/Medicine</th>
<th>Hereditary leukemias and BMF</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bryn Webb - Clin Genetics/Peds</td>
<td>Malformation syndromes</td>
</tr>
<tr>
<td></td>
<td>Kim Keppler-Noreuil - Clin Genetics</td>
<td>Mosaic genetic disorders</td>
</tr>
<tr>
<td></td>
<td>Stephen Meyn - Clin Genetics/Peds</td>
<td>Genome instability syndromes</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Novel Techniques for Variant Analysis</th>
<th>Gaelin Hess - Biomolecular Chem</th>
<th>CRISPR-driven high-throughput Variant screening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Empiric ELSI studies</td>
<td>Owen Tamplin - Cell &amp; Reg Biology</td>
<td>Hematopoiesis modeling Gene assessment via model organisms</td>
</tr>
<tr>
<td></td>
<td>Nina Varsava - School of Law</td>
<td>Bioethics of precision medicine</td>
</tr>
<tr>
<td></td>
<td>Phillip Koellinger - La Follette School</td>
<td>GWAS of behavioral traits/PRS</td>
</tr>
</tbody>
</table>

**Social Genomics**

Nina Varsava - School of Law  
Bioethics of precision medicine  
Phillip Koellinger - La Follette School  
GWAS of behavioral traits/PRS
CHGPM Community Building: Collaborative Seed Grants

Collaborative Seed Grant Program (Research)

• Spring 2019: 
  Quiongshi 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
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)
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
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
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 3rd 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

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

Total Cases ~ 530,000
Wisconsin Deaths

Total Deaths = 5,691
Total Cases for UW Faculty and Staff since August 23, 2020 = 269
Total UW Employees = 24,000
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
COVID-19

JONATHAN L TEMTE
Employee

Dane County, WI

Building Access
DENIED
<table>
<thead>
<tr>
<th>Days</th>
<th>Locations</th>
<th>Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday through Friday</td>
<td>21 N. Park</td>
<td>7 am–4 pm</td>
</tr>
<tr>
<td></td>
<td>Dejope Residence Hall</td>
<td>9 am–6 pm</td>
</tr>
<tr>
<td></td>
<td>Health Sciences Learning Center</td>
<td>8 am–5 pm</td>
</tr>
<tr>
<td></td>
<td>Kohl Center</td>
<td>8 am–5 pm</td>
</tr>
<tr>
<td></td>
<td>Nielsen Tennis Stadium</td>
<td>6 am–8 pm</td>
</tr>
<tr>
<td></td>
<td>Pyle Center</td>
<td>9 am–6 pm</td>
</tr>
<tr>
<td></td>
<td>Union South</td>
<td>11 am–8 pm</td>
</tr>
<tr>
<td>Saturday</td>
<td>21 N. Park</td>
<td>8 am–5 pm</td>
</tr>
<tr>
<td></td>
<td>Nielsen Tennis Stadium</td>
<td>6 am–3 pm</td>
</tr>
<tr>
<td></td>
<td>Pyle Center</td>
<td>7 am–4 pm</td>
</tr>
<tr>
<td></td>
<td>Union South</td>
<td>8 am–5 pm</td>
</tr>
<tr>
<td>Sunday</td>
<td>Nielsen Tennis Stadium</td>
<td>8 am–5 pm</td>
</tr>
<tr>
<td></td>
<td>Union South</td>
<td>8 am–5 pm</td>
</tr>
</tbody>
</table>
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

### Vaccine Distribution Summary

<table>
<thead>
<tr>
<th></th>
<th>Allocated</th>
<th>Ordered</th>
<th>In Transit</th>
<th>Administered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>779,800</td>
<td>473,300</td>
<td>100,100</td>
<td>310,256</td>
</tr>
</tbody>
</table>

**Pharmacy Partnership Program**

<table>
<thead>
<tr>
<th>Pharmacy Type</th>
<th>Skilled</th>
<th>Assisted Living</th>
<th>Assisted Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facilities</td>
<td>57,000</td>
<td>140,000</td>
<td></td>
</tr>
</tbody>
</table>

~ 47% of Phase 1a

[https://www.dhs.wisconsin.gov/covid-19/vaccine-data.htm](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
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 Izard, 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)
  - 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
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

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

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