Impact of COVID-19 on Postdoctoral Training Programs

Maria Trent, MD, MPH
Adolescent Medicine Fellowship/T32 Training Director
Bloomberg Professor of Pediatrics and American Health
NICHD T32HD052459
Objective

- Use JHU Program as a case study in COVID-19 Impacts on Post-Doctoral Programs
National Lens Grounds Local Perspective for JHU Case Study

Methods
Qualitative data sought from 31 AM Program Directors Across the United States using the SAHM program director’s listserv. Includes programs with T32 funding (2) and 7 HRSA-funded programs. Respondents submitted email summaries of impact evaluated by themes. Follow-up performed to clarify issues related to research.

Themes
- Clinical Work (Reduced in AM, increased general, Complexity AM, Shift for virtual care)
- Research Stalled/Transition to other types of research or training activities
- Personal/Family stress/Isolation/Fear of illness
- Limited professional opportunities (Meetings, Jobs)
Mission

- The mission of the JHU Adolescent Medicine training program is to develop the next generation of leaders in interdisciplinary approaches to adolescent health promotion and disease intervention/prevention with a primary goal of reducing health disparities.
- The infrastructure of the T32 provides physician with the skills, knowledge, and experience necessary to build upon scientific advancements across related disciplines begin careers as clinician-scientists scientists.
- Collaborate with scientists across institutions and JHU schools.
Fellowship Program In Context of JHU, JHHS, and the Community

Figure 1. Fellowship Program in the Context of the Johns Hopkins University, the Johns Hopkins Health System, and the Community

Program Contacts
AM Fellowship/ Director
Maria Trent, MD, MPH
Errol Fields, MD, PhD, MPH (APD)
Research Director
Pamela Matson, PhD, MPH
CAYAH Clinic/Title X
Director
Arik Marcell, MD, MPH

KEY: Solid lines link participating units to the program. Dashed lines show links for research and for translating research into policy and practice.
Core AM Training Faculty

- Hoover Adger, MD, MPH, MBA [Director Addiction Medicine Program]
- Errol Fields, MD, MPH, PhD [Associate Fellowship Director, Co-Director Emerge]
- Tisha James, LCSW-C [Social Work Faculty]
- Judith Kandel, BSN, MPH, CPNP [Nursing Faculty]
- Arik Marcell, MD, MPH [Clinic Dir., Chair, Clinical Competence Committee]
- Pamela Matson, PhD, Research Director
- Renata Sanders, MD, MPH, MSc [Clinic Director IPC, Co-Director Emerge]
- Peter Rowe, MD [Director Chronic Fatigue Clinic]
- Kathy Tomaszewski, RN [Clinical Nurse Manager]
- Maria Trent, MD, MPH [T32/Fellowship Training Director, Division Chief]
Interdisciplinary T32 Training
Faculty

- Tina Cheng
- Charlotte Gaydos
- Sara Johnson
- Jacky Jennings
- Peter Rowe
- Allison Agwu
- Margaret Moon
- Arlene Butz
- Erica Sbinga
- Roma Vasa
- Christopher Beyrer
- Anne Burke

- Robert Blum
- Maria Wawer
- Susan Sherman
- Ronald Gray
- Anne Burke
- Thomas Quinn
- Cynthia Minkovitz
- Alain Joffe
- Terry McCambridge
- Mychelle Farmer
- Joshua Sharfstein
- Ann Bruner

- Phyllis Sharps
- Laura Caulfield
- Nicholas Ialongo
- Heather Chapman
- Lana Lee
- Roland Thorpe
- George Dover
- David Levine
- Geetanjali Chander
- Harolyn Belcher
- Marc Fishman

September 29, 2020
Educational Bar for JHU Adolescent Medicine Fellows is High!

Expectations for:
1. Leadership/Professionalism
2. Clinical Skills
3. Teaching capacity
4. Research/Scholarly Works
Graduate Training Programs in Clinical Investigation

The Graduate Training Programs in Clinical Investigation (GTPCI) are the first of their kind.

A joint venture between the Johns Hopkins Bloomberg School of Public Health and the Johns Hopkins School of Medicine, GTPCI trains...
Fundraising (Virtual)
Rachel Alinsky, MD, MPH-Graduated 6/30/2020

Current Position: Assistant Professor of Pediatrics Teaching Attending, AYA Medicine Johns Hopkins SOM

Medicine Pediatrics
Massachusetts General Hospital/Harvard Medical School
Mentors: Adger/Matson
Research Topic: Substance Abuse Health Policy/Intersection Reproductive Health

Accomplishments
Best Abstract Award, AMERSA Scholarship JHSPH MPH Program
Chief Fellow, Adolescent Medicine (8/1/19)
Finalist, New Investigator Award, SAHM 2019 & 2020
Delta Omega, JHSPH 2019 MPH Graduate CSAHM, Treasurer
Alcohol and Drug Abuse Committee, SAHM Francis Schwentker Award, JHCC
Motherhood During COVID

- Maternity leave during the peak of COVID-19
- Vulnerable as a fellow with Medicine-Pediatrics Training given demands on adult units
- Trying to complete requirements of fellowship
- Transition to new job
- Commutes from DC
- Find safe childcare for family with two working parents
Current Fellows

Annemarie Swamy, MD, PhD
University of Kentucky School of Medicine
Pediatric Residency Training Program
Mentors: Rowe/Trent

Faye Korich, MD
UCSF Benioff Children's Hospital Oakland
AM Mentor: Fields

Jen Makrides, MD
Oregon Health & Science University
AM Mentor: Marcell

Catherine Silva, MD
University of Florida
AM Mentor: Adger/Trent
Life Transitions

September 29, 2020
# Program Design

<table>
<thead>
<tr>
<th>Clinical Year*</th>
<th>Research Year Public Health Training GTCPI Program*</th>
<th>Research Year Completion of Research</th>
<th>Optional Research Year</th>
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- **Inpatient Consults/Continuity Clinic**
- **Core Rotations**
- **ACGME Curriculum**
- **Institutional Funding**

- **T32 Funding**
## Program Design

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<th>Clinical Year*</th>
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- Online PH Coursework JHSPH
- Human Subjects research halted
- New Processes for approved studies
- Staffing limitations regarding space

### Inpatient Consults/Continuity Clinic
- Inpatient Consults/Continuity Clinic

### Core Rotations
- Core Rotations Cancelled
- SBHC Closed/Contract Unpaid
- Clinical Volume <50%
- Inpatients higher acuity

### ACGME Curriculum
- ACGME Curriculum

### Institutional Funding/Contracts
- Institutional Funding/Contracts

### T32 Funding
- T32 Funding
Rapid Transition to Telemedicine
COVID-19 Learning Changes

- Accredited Adolescent Seminar [3 hours/wk]
  - Grand Rounds [Faculty Experts]
  - Case Conference
  - Journal Club
  - Research Round Robin
  - Fellow Updates
  - Fellow Feedback
  - Cultural Competency Training
- General Pediatrics-Adolescent Medicine Joint Fellow Seminar
- Adolescent Medicine-Endocrine Rounds
- Faculty/Fellow Meetings
  - Group [bimonthly]
  - Individual meetings
- JHSPH Coursework
Online recruitment resources

- Newly revamped GME Office website: https://www.hopkinsmedicine.org/som/gme/index.html
- Video with Hopkins GME overview, JHH & Bayview tours launching soon
Except for Oncology & COVID-19 Related Research
Essential information for Human Subjects Research Teams Related to COVID-19

Last Updated August 25, 2020

As we make decisions on how to respond to the COVID-19 infections we want to begin by stating that our primary concern is the safety of our research participants and the research team members who work for Johns Hopkins University and Health System. Our secondary goal is to preserve the scientific integrity of the research protocols.

For the most up-to-date information visit the links below:

Resuming In-Person Activities and New Enrollment

The University is now in Phase 1 of resuming research activities involving in-person interaction with human participants. As of August 3, 2020, the types of research activities eligible to be opened for in person interaction/new enrollment in Phase 1 will be expanded.
Number of Reported Chlamydia, Gonorrhea, and Syphilis Labs* by Week and Year of Specimen Date, Maryland, 2018 - 2020

*Lab results are based on date of specimen collection. Result date used where specimen date is missing.
Source: Maryland Department of Health, Center for STI Prevention - May 28, 2020
Meetings Canceled, Postponed, Virtual

SAHM 2020 Annual Meeting
MARCH 11-14 | SHERATON SAN DIEGO

Pediatric Academic Societies Meeting
April 29-May 6, 2020 | Philadelphia, PA
April 29-May 1 • Pre-Conference Events | May 2-5 • PAS Meeting | May 6 • Post-Conference Events

September 29, 2020
Use Technology to Keep Teams Together
Mycoplasma genitalium and Trichomonas vaginalis: addressing disparities and promoting public health control of two emerging sexually transmitted infections

Faye Korich, Neha G. Reddy, and Maria Trent

Purpose of review
Mycoplasma genitalium (M. genitalium) and Trichomonas vaginalis (T. vaginalis), sexually transmitted infections that remain non-reportable in the United States, may lead to pelvic inflammatory disease (PID) and adverse pregnancy outcomes if left untreated. Prevalence estimates have highlighted socioeconomic and racial/ethnic disparities in rates of infection. This review summarizes the recent literature on M. genitalium and T. vaginalis with a focus on the epidemiology, screening, and treatment of M. genitalium and T. vaginalis.

Recent findings
The burden of T. vaginalis testing remains on women. Antimicrobial resistance is of great concern for M. genitalium. Comprehensive screening and treatment guidelines present an opportunity to address these public health concerns.

Summary
M. genitalium and T. vaginalis infections disproportionately affect sexual and racial/ethnic minorities and those facing socioeconomic disparities. The availability of nucleic acid amplification test testing has facilitated accurate diagnosis of both disorders. Safe and efficacious treatments are available for treatment of both disorders. Integrating macrolide resistance testing into treatment algorithms for M. genitalium and dual antibiotic therapy may prove a useful strategy for future US-based guidance. Public health reporting and increased public awareness campaigns are key next steps to addressing the observed reproductive health disparities.

Keywords
disparity, guidelines, Mycoplasma genitalium, treatment, Trichomonas vaginalis
Improving Adolescent Access to Health Services Using the JH-HUBLyft Program

- Engagement in routine preventive health services declines considerably during this time as acute visits predominate

- Transportation is a major limitation for adolescent health seeking behavior
  - Baltimore’s bus and rail system is limited
  - Compounds issue for low income youth

- Existing JHU safe ride program with Lyft for students

- Evaluate impact of institutionally supported rideshare service on receipt of well adolescent/young adult care
Shift Focus

• Re-think Aims/Program Evaluation/Analysis
  – Pre/During COVID service utilization
• No-cost extension from Hospital
  – Clinical services reduced
  – Original grant ended 6/30/20
• Update IRB
  – Change focus of work to include geocoding analyses (PHI)
  – Patient satisfaction Qualtrics
Impact of COVID on Rideshare Program

Learning New Statistical Software and Methods Geographic Analysis

Silva/Trent, SAHM Meeting, Under Review
NIH LRP Program [Health Disparities]
## Table 1. Sex of sex partner & self-identified race/ethnicity by SRH care receipt during last 12 months among sexually active females aged 15-19 (N=1637)

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Total N</th>
<th>STD test receipt</th>
<th>HIV test receipt</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>% (95% CI)&lt;sup&gt;b&lt;/sup&gt;</td>
<td>aRR (95% CI)&lt;sup&gt;c&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Sex of sex partner</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opposite-sex only</td>
<td>1,218</td>
<td>27.9 (23.9-32.2)</td>
<td>Ref</td>
</tr>
<tr>
<td>Same-sex only</td>
<td>72</td>
<td>2.6 (0.7-9.4)</td>
<td>0.09 (0.02-0.34)&lt;sup&gt;***&lt;/sup&gt;</td>
</tr>
<tr>
<td>Both sexes</td>
<td>347</td>
<td>34.3 (27.6-41.7)</td>
<td>1.32 (0.67-2.60)</td>
</tr>
<tr>
<td><strong>Race/ethnicity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Hispanic White</td>
<td>719</td>
<td>28.2 (23.0-34.0)</td>
<td>Ref</td>
</tr>
<tr>
<td>Non-Hispanic Black</td>
<td>395</td>
<td>34.0 (27.1-41.6)</td>
<td>1.18 (0.59-2.36)</td>
</tr>
<tr>
<td>Hispanic</td>
<td>454</td>
<td>25.4 (20.7-30.8)</td>
<td>0.71 (0.46-1.10)</td>
</tr>
<tr>
<td>Other</td>
<td>69</td>
<td>15.6 (9.3-24.9)</td>
<td>0.43 (0.23-0.81)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Contraception counseling receipt</th>
<th>Contraception method receipt</th>
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<tr>
<td>% (95% CI)&lt;sup&gt;b&lt;/sup&gt;</td>
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<td>Hispanic</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

<sup>a</sup>Unweighted;  <sup>b</sup>Weighted;  <sup>c</sup>Poisson regression analysis adjusting for urbanicity, age, & mom's highest education level

*<sup>p</sup><.05; **<sup>p</sup><.01; ***<sup>p</sup><.001

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September 29, 2020

Submitted to SAHM, Under Review 9/2020
Support our Graduates: Two Just Received K23 Awards!
15-year-old Baltimore County girl dies after testing positive for coronavirus, the first pediatric death
Supporting Adolescents and Young Adults During COVID
Town Hall w/ the Adolescent/Young Adult Medicine Team
Tuesday, 5/26/2020 6PM

Please click this URL to join: https://jhjhm.zoom.us/j/94144260173

Apple Podcasts Preview

098 - The Impact of Racism on Child and Adolescent Health
Public Health On Call

News

Listen on Apple Podcasts

A year ago, the American Academy of Pediatrics released a landmark statement about the impact of racism on child and adolescent health. Dr. Maria Trent, the lead author of this statement, talks with Dr. Josh Shafirstein about the many ways that racism undermines health over a lifetime. Trent also discusses how to give pediatricians, teachers, parents, and caregivers the language and tools they need to address racism's impacts on children's safety and wellbeing.
Contact Us

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mtrent2@jhmi.edu