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December 2022 MCHRI Newsletter



News & Notables



Reversing the Warburg Effect

Jiangbin Ye and the Ye Lab research, supported by the MCHRI Faculty Scholar Award, has recently been published in *Cancer Research*. Congratulation to the team who's research explores if the Warburg effect can be reversed to induce tumor differentiation. The study establishes a foundation of using mitochondrial uncoupler for cancer differentiation therapy.

[Read the publication here](#)

[Register for Ye's upcoming MCHRI seminar here](#)



Leukocyte telomere length and stress comparison

"An exploratory analysis of leukocyte telomere length among pregnant and non-pregnant people", recently published in *Brain, Behavior, and Immunity - Health*, outlines the finding that shorter leukocyte telomeres associate with earlier gestational age at delivery. The research was supported by Katherine Bianco's MCHRI Clinician Educator award.

[Read the publication here.](#)



URM/FLI Undergraduate Summer 2023 Research Opportunity

Student applications for MCHRI's [DRIVE in Research Pipeline Program](#) are now open, with a deadline of **January 31st 2023**. We encourage MCHRI members to **promote this opportunity to URM/FLI Stanford undergraduate students** in your networks, MCHRI provides a stipend for students to gain mentored research experience during the summer. Thank you to all faculty who have volunteered to serve as DRIVE mentors in summer 2023!



Call for Faculty Mentors in Maternal and Child Health

Exciting open call for faculty mentors for the 2023 cohort the [Pediatrics Internship Program at Stanford \(PIPS\)](#). PIPS is a 6-week, 30 hour per week experience for rising junior and senior high school students. If you are interested in mentoring high school students this summer, and participating in this important program to support the pathway into maternal and child health, science, and medicine, [click here to learn more](#).



Global Health Faculty in Focus: Desiree LaBeaud, MD, MS

Event Date: Wednesday, January 25, 2023 from 9:00 AM – 3:00 PM PT

Location: Arrillaga Alumni Center on Stanford University campus

The 9th Annual Stanford Global Health Research Convening will bring together students, faculty, staff, and researchers working in global and planetary health – from Stanford and beyond. This year's theme will focus on pandemic prevention and preparedness research, but abstracts are accepted on any global or planetary health topic.

[Register here](#)

[View the event page](#)

Funding Opportunities

For more information about MCHRI programs and deadlines, visit the [Funding Calendar](#) page

For more eligibility information and other details, visit individual funding opportunity pages.

[Interprofessional Clinician Program Award](#)

Letter of Intent Deadline: December 19, 2022

[Transdisciplinary Initiatives Program](#)

Letter of Intent Deadline: January 3, 2023

Additional Opportunity:

Pediatric Cancer Research

[Stanford Pediatric IBD and Celiac Disease Research](#)

[Awards Program Seed Grant](#)

Application Deadline: January 9, 2023

[Bridge Support](#)

Application Deadline: January 17, 2023

[Instructor K Award Support](#)

Application Deadline: January 17, 2023

[Master's Tuition Program](#)

Application Deadline: February 13, 2023

[Clinical \(MD\) Trainee Program](#)

Application Deadline: February 13, 2023

Additional Opportunities:

Pediatric Palliative Care

Pediatric Subspecialty Global Health

[Faculty Scholar](#)

Application Deadline: February 20, 2023

Additional Opportunity:

Cardiology, Neurology, and Oncology

[Stanford Pediatric IBD and Celiac Disease Research](#)

[Award Program: Postdoc and Early Career](#)

Application Deadline: March 13, 2023

[Postdoctoral Support](#)

Application Deadline: March 6, 2023

MCHRI Clinical Research Coordinator Corner

Natalie Rovero, MCHRI Assistant CRC, is supporting a study investigating how increased involvement in treatment decisions affects outcomes in young cancer patients. For recruitment purposes, Rovero leverages help from the patient's existing care team, with nurse coordinators initially presenting the study flier and information to the patient. Participation rates dramatically increase when the study is introduced in this manner by a familiar care member. Recruited patients for the study can consent traditionally in person, or by phone using a RedCAP consent form outlined in the IRB.



Learn more about the [MCHRI Clinical Research Coordinator Services here](#).

MCHRI Education and Seminars

Detection and Diagnosis of Mendelian and Undiagnosed Diseases



*****IN PERSON*****
TUESDAY JANUARY 10, 2023 | 12-1PM PST
@ GRAND ROUNDS ROOM IN CAM

[UPCOMING] Detection and Diagnosis of Mendelian and Undiagnosed Diseases

Monday, January 9, 2023 at 12:00-1:00PM

Location: IN PERSON (and online) in the Grand Rounds Room at CAM

Learn about how the NIH's GREGoR (Genomics Research to Elucidate the Genetics of Rare diseases) Consortium is aiming to recruit patients at Stanford and develop new approaches for solving rare genetic diseases, as well as the Undiagnosed Disease Network's (UDN) role and opportunities.

[Register for IN PERSON \(or online\) Event Here](#)

Lunch will be provided for in-person attendees

Engineering the hematopoietic system to treat non-hematological diseases



MONDAY, FEBRUARY 6, 2023 | 12-1PM PST
ONLINE VIA ZOOM

[UPCOMING] Engineering the Hematopoietic System to Treat Non-hematological Diseases

Monday, February 6, 2023 at 12:00-1:00PM (online)

How combining genome editing and stem cells can be used to treat neurological diseases. The seminar will discuss novel ways to condition the central nervous system to efficiently recruit blood cells and how to use it to treat genetic neurodegenerative diseases.

[Register Here](#)

Deciphering the Warburg Effect



MONDAY, MARCH 6, 2023 | 12-1PM PST
ONLINE VIA ZOOM

[UPCOMING] Deciphering the Warburg effect: metabolic reprogramming, epigenetic dysregulation, and cell dedifferentiation

Monday, March 6, 2023 at 12:00-1:00PM (online)

Learn how the Warburg effect promotes tumorigenesis. The seminar will discuss how metabolic reprogramming causes epigenetic dysregulation, leading to cell dedifferentiation and tumor progression, and how to use metabolic therapy to reverse the Warburg effect and reactivate differentiation program for the cure of cancer.

[Register Here](#)

Recordings Available! [Check our YouTube page for past recordings.](#)

Leveraging PEDSnet



MONDAY, NOVEMBER 7, 2022 | 12-1PM PST

[Recording] Leveraging PEDSNet

Recorded on: Monday, November 7, 2022 at 12:00-1:00PM

PEDSnet is a multi-site network that utilizes a common data model to enable a Pediatric Learning Health System that leverages a common governance structure, administrative efficiencies, and logistical, scientific and training resources. Gain insight on how to leverage this powerful tool for your research.

[View Recording Here](#)

USING SINGLE CELL APPROACHES TO UNDERSTAND NEOINTIMAL LESION FORMATION AND GROWTH IN PULMONARY HYPERTENSION



MONDAY DECEMBER 5, 2022 | 12-1PM PST

[Recording] Single Cell Approaches to Understand Neointimal Lesion Formation & Growth in Pulmonary Hypertension

Recorded on: Monday, December 5, 2022 at 12:00-1:00PM

Single cell approach to understand how arteries change in pulmonary arterial hypertension (PAH), a disease characterized by profound vascular remodeling

[View Recording Here](#)

How Can MCHRI Help Your Research?

I want help from **experienced** maternal and pediatric focused **research coordinators** -

[Check our MCHRI's Clinical Research Coordinator Services!](#)

I want help with my **research study** at Stanford Children's Health -

[Check out the Clinical Research Support Office!](#)

I want help with **biostatistics and data management** support for maternal and child health research

[Check out MCHRI's partner, the Quantitative Sciences Unit \(QSU\)!](#)

I want help **finding funding** for my maternal or child health **research**

[Check out MCHRI's Funding Opportunities!](#)



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