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WELCOME

2024 Postdoctoral Fall Symposium

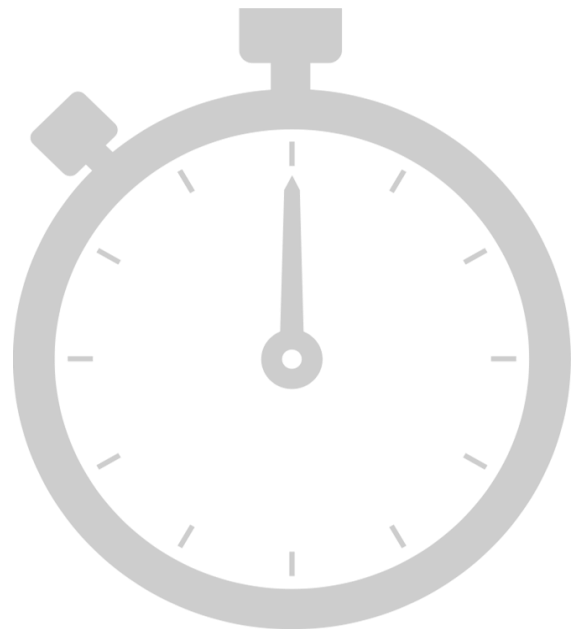
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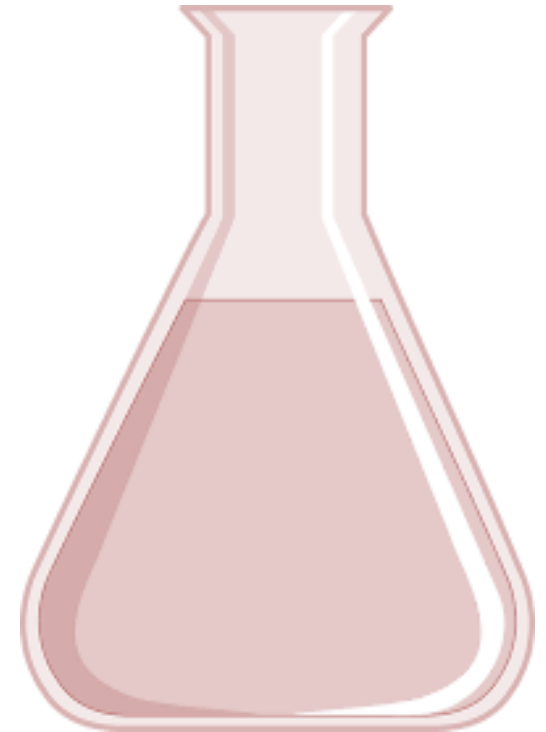
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The Office of Postdoctoral Affairs

Presents:



FIVE
MINUTE
RESEARCH
POSTDOC COMPETITION



Florida State University

THANK YOU TEAM!

Srivalli Dorasetty
Application Developer, Designer

Francis Ebuara
Graduate Assistant - Office of Postdoctoral Affairs

Jakub Hruby
Postdoctoral Scholar MagLab

Keith McCall
Acting Director Office of Graduate Awards & Fellowships

Audrey Livingston
Graduate Enrollment Specialist

Thais Pedrete
*Postdoctoral Scholar in Chemistry
Past Senior Advisor*

Joy Stein
Event Administrative Specialist

Diana Paquette
College of Medicine Coordinator

Geoset Studios!
Kyle Wilson

Postdoctoral Association Leadership Team! - *Olivia Cook (President), Kasey Longley (Vice President), Betsy Mansfield (Senior Advisor), Luna Hiron (Past Senior Advisor), and Mohammad Nooranidoost (Past Senior Advisor)*

THANK YOU JUDGES!

Gloria Covin
FSU Librarian Emeritus

Jenn Garye
*Director of Business Operations,
VP for Research Office*

Karema Harris
*President & CEO Foreign Affairs Center,
Global Business Consultant*

Renaine Julian
Director of STEM Libraries

William Hill
*Director, Laboratory Animal Resources and
Attending Veterinarian*

Beth Hodges
Director of Research Development

Anna Prentiss
Assistant Director News & Web Content

Pamela Ray
Senior Director Sponsored Research Administration

Mark Riley
*Dean of the Graduate School & Robert Lawton
Professor of Physics*

Jennifer Winegardner
*RW Law Firm
Civil Litigator*

Ahinsa Ranaweera

Department of Biological Science

*The HIV Capsid: A Promising Target for Anti-HIV
Drugs and More?*

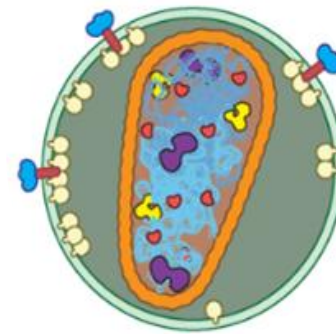
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HIV, The Virus That Causes AIDS, Is One Of The World's Most Serious Public Health Challenges

In 2023,

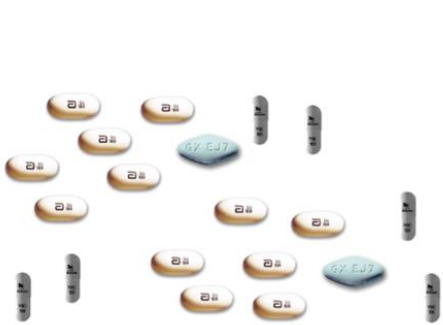
- **39.9 million people living with HIV**
- **630,000 HIV related deaths**



**Human Immunodeficiency Virus
(HIV)**

There's No Cure For HIV Up-To-Date, But Antiviral Drugs Can Help People With HIV Live Longer

Antiviral Drugs For HIV Infection



1990's

20 pills per day



by 2016

1 pill per day

NEWS RELEASES

Media Advisory

Tuesday, June 4, 2024

U.S. clinical trials begin for twice-yearly HIV prevention injection

Today

Twice-yearly shots of
Lenacapavir: a Capsid Inhibitor

HIV Capsid Inhibitors Target Multiple Stages Of HIV Life Cycle

How does LEN affect capsid properties in late stages?

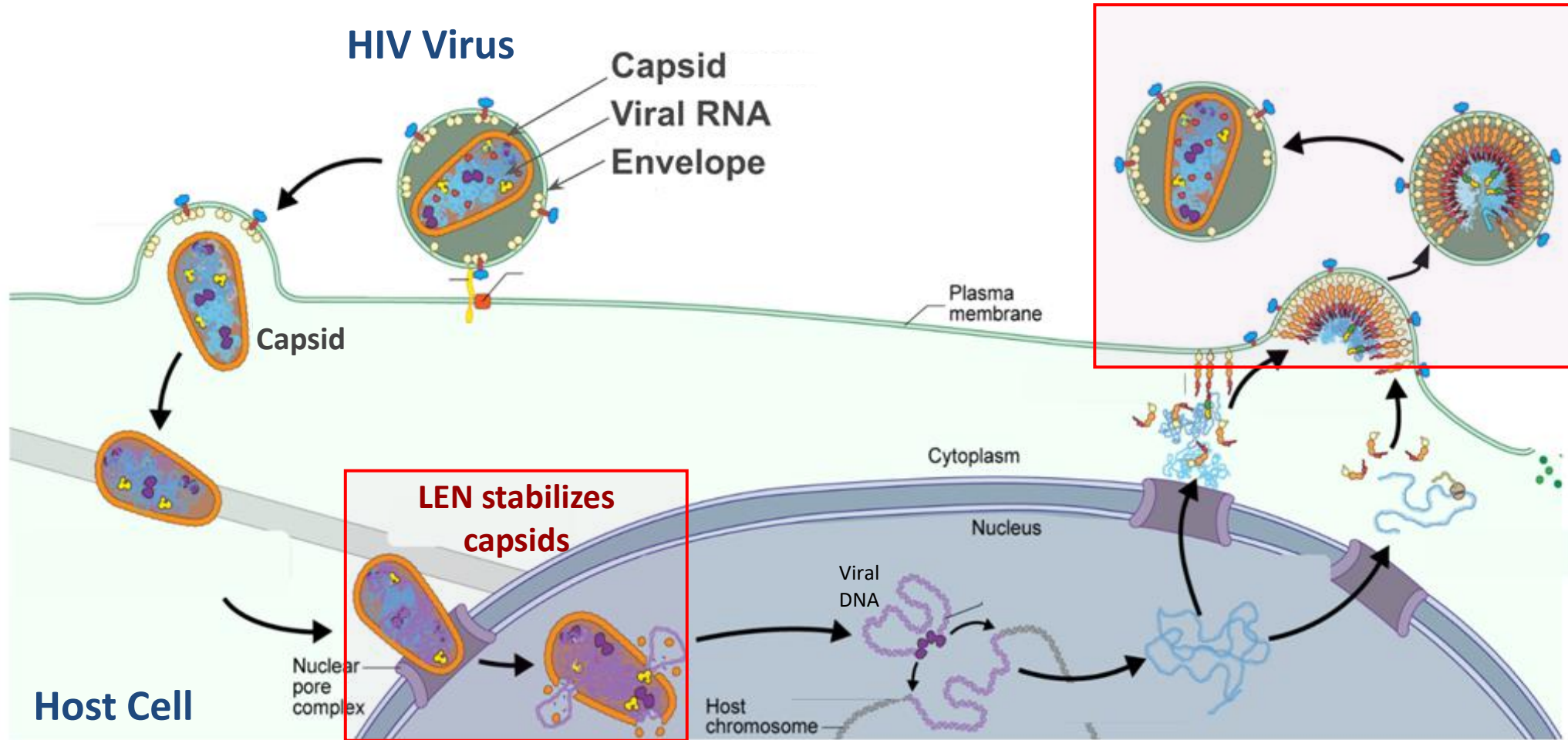
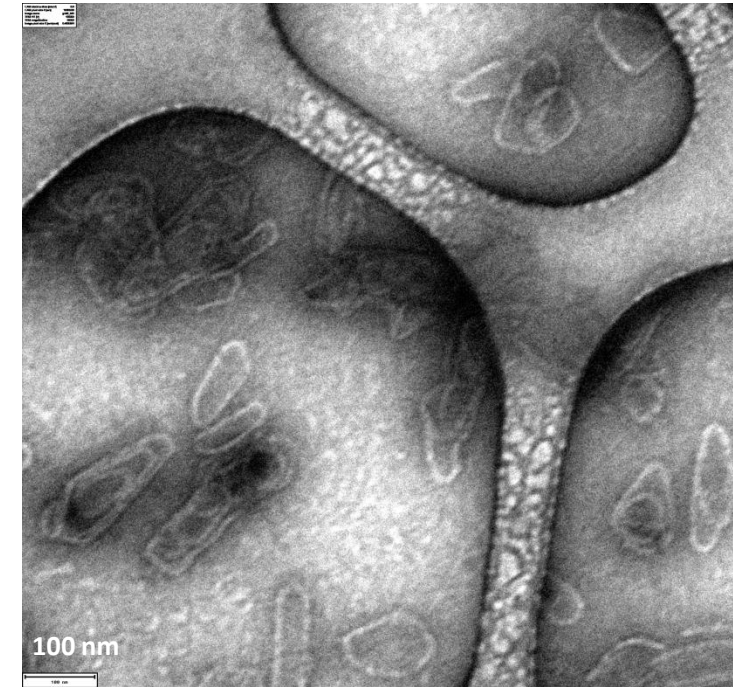
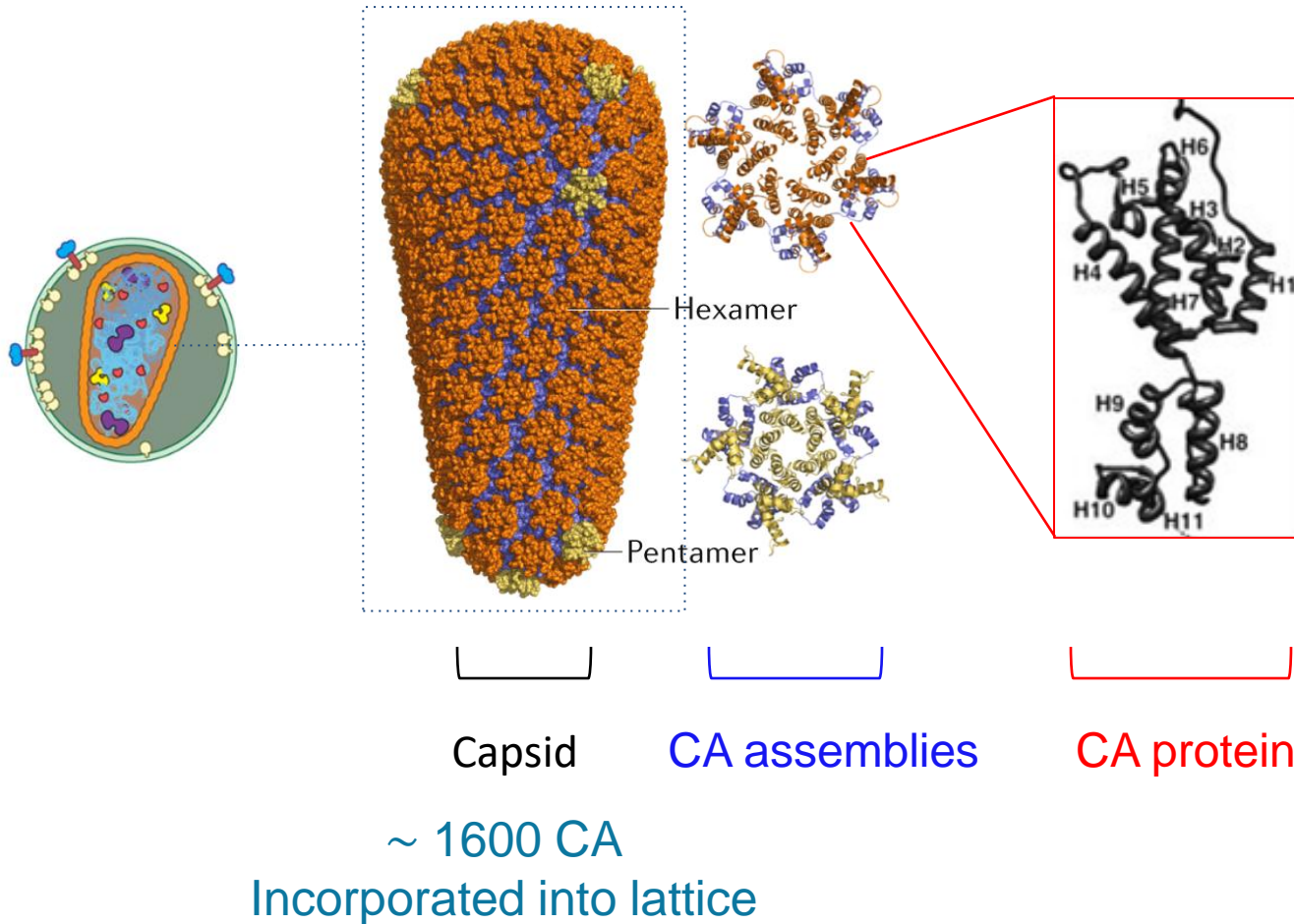


Image courtesy of **Janet Iwasa**, University of Utah

Can We Assemble Capsid-Like Particles In A Test Tube?



Capsid-like particles made in-house

What if we can make virus-like particles that can deliver drugs to specific cells in our body?

Acknowledgements



Jing Wang
Dean and Professor
PhD, MPH, RN, FAAN



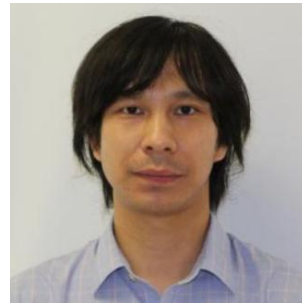
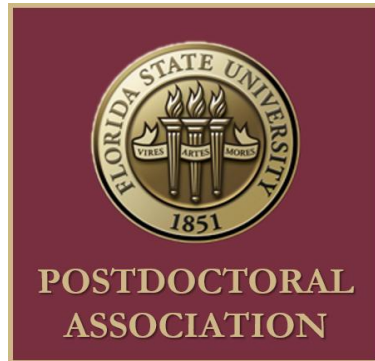
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PhD, MPH, MSN, RN



Brittany Lane
Postdoctoral Scholar
PhD, MPH

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PEOPLE'S CHOICE AWARD

**Vote for your favorite
presentation!**

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PEOPLE'S CHOICE AWARD

**To Vote = Scan the QR Code and Then
Click Your Favorite Number!**



1 – Ahinsa Ranaweera

The HIV Capsid: A Promising Target for Anti-HIV...

2 – Behrouz Ghazi Esfahani

SPOT-RASTR: A Novel Method To Prepare CRYO-EM Samples

3 – Herschel Chawdhry

Particle Physics and the Quest for High Precision

4 – Kasey Longley

Caring for Grandparent Caregivers: Identifying Support Needs for Older Adults Raising their Grandchildren

5 – Katherine Odeggaard

A Matter of Taste: Unveiling the “New” Region in Taste Processing

6 - Li Guo

How Does Overnutrition Lead to Diabetes?

7 - Pearl Rivers Key

Mate Choice Under the Sea: Exploring the Genetic Blueprint of Reproduction in Sea Urchins

8 – Shannon Griffin

Engineering Superconducting Magnets via Structural Simulations

9 – Stephen Yuwono

How Electrons Dance When Things Go Heavy and Fast

10 – Yijiong Yang

Addressing ADRD and COVID-19 Vaccination Hesitancy: Strategies for Enhancing Health Outcomes

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AWARDS & RECEPTION

**Please join us for refreshments
and award presentations**

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PROGRAM END

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