

**FSU**

**WELCOME**

# **2024 Postdoctoral Fall Symposium**

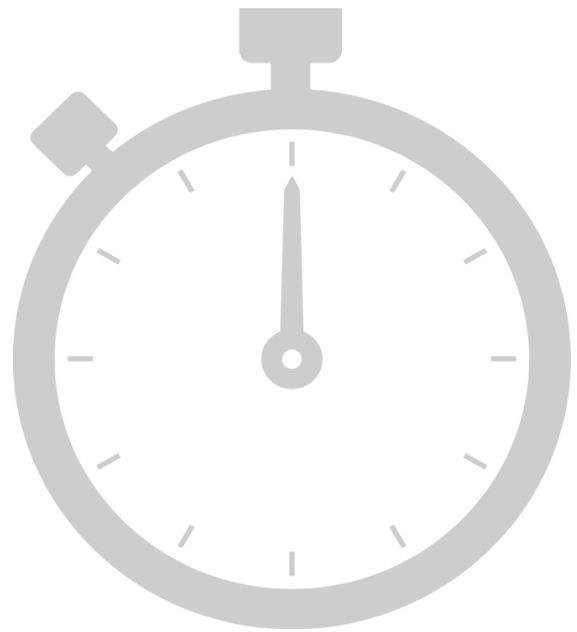
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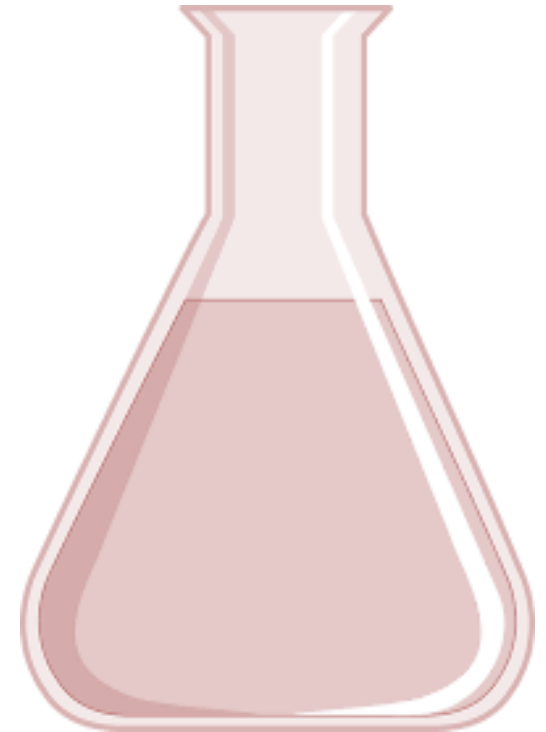
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The Office of Postdoctoral Affairs

*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*



**Li Guo**

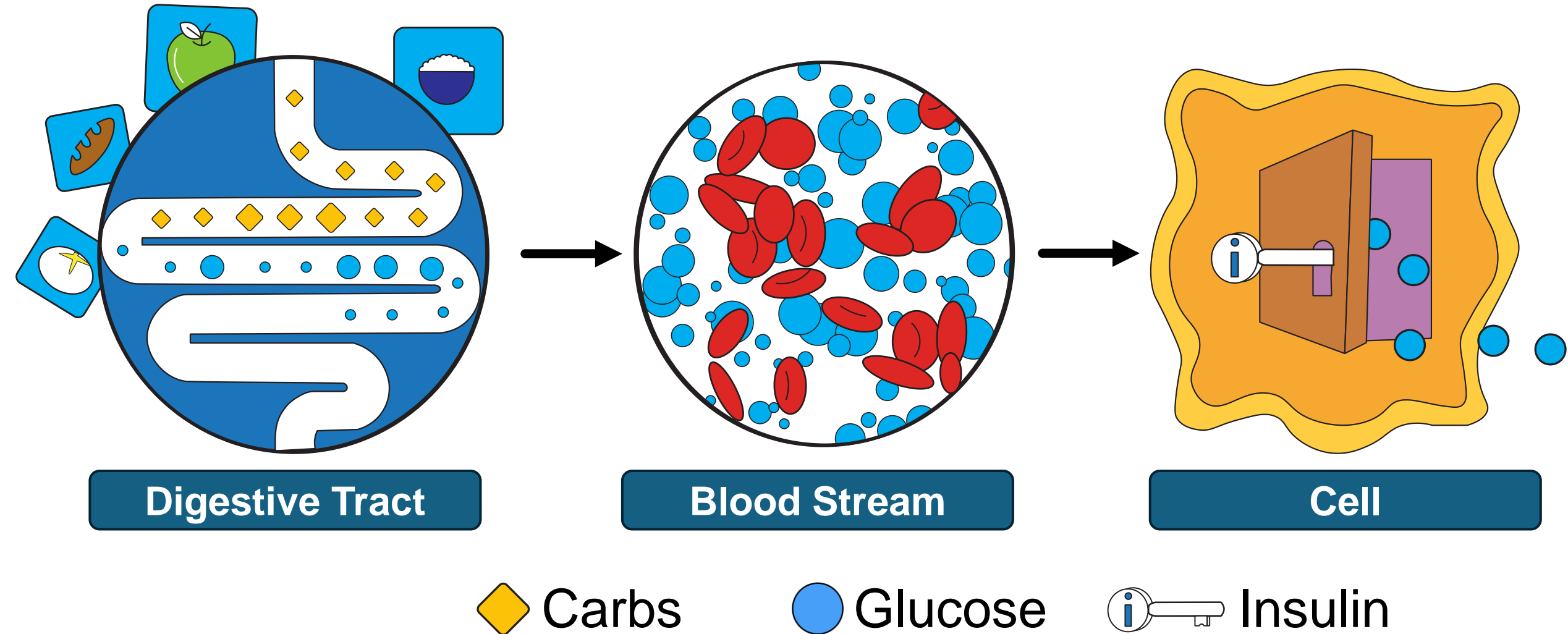
Department of Biomedical Science,  
College of Medicine

*How Does Overnutrition Lead to Diabetes?*

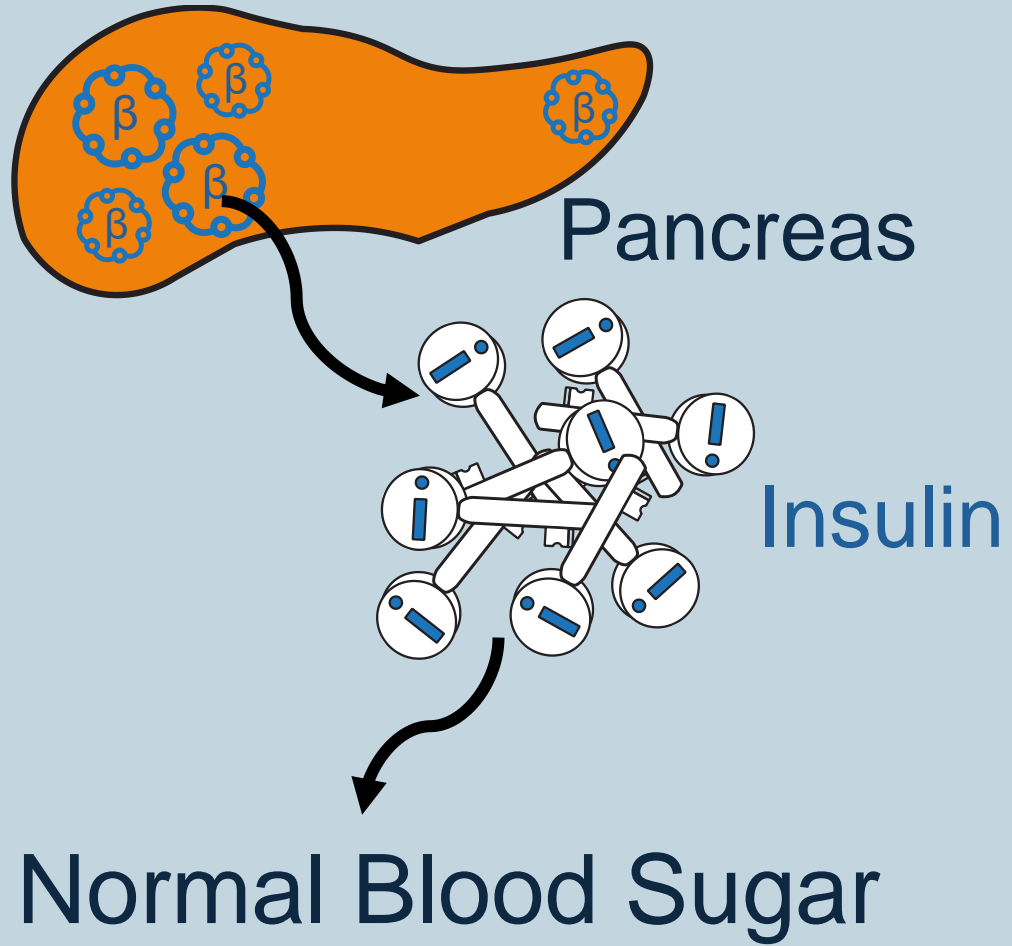
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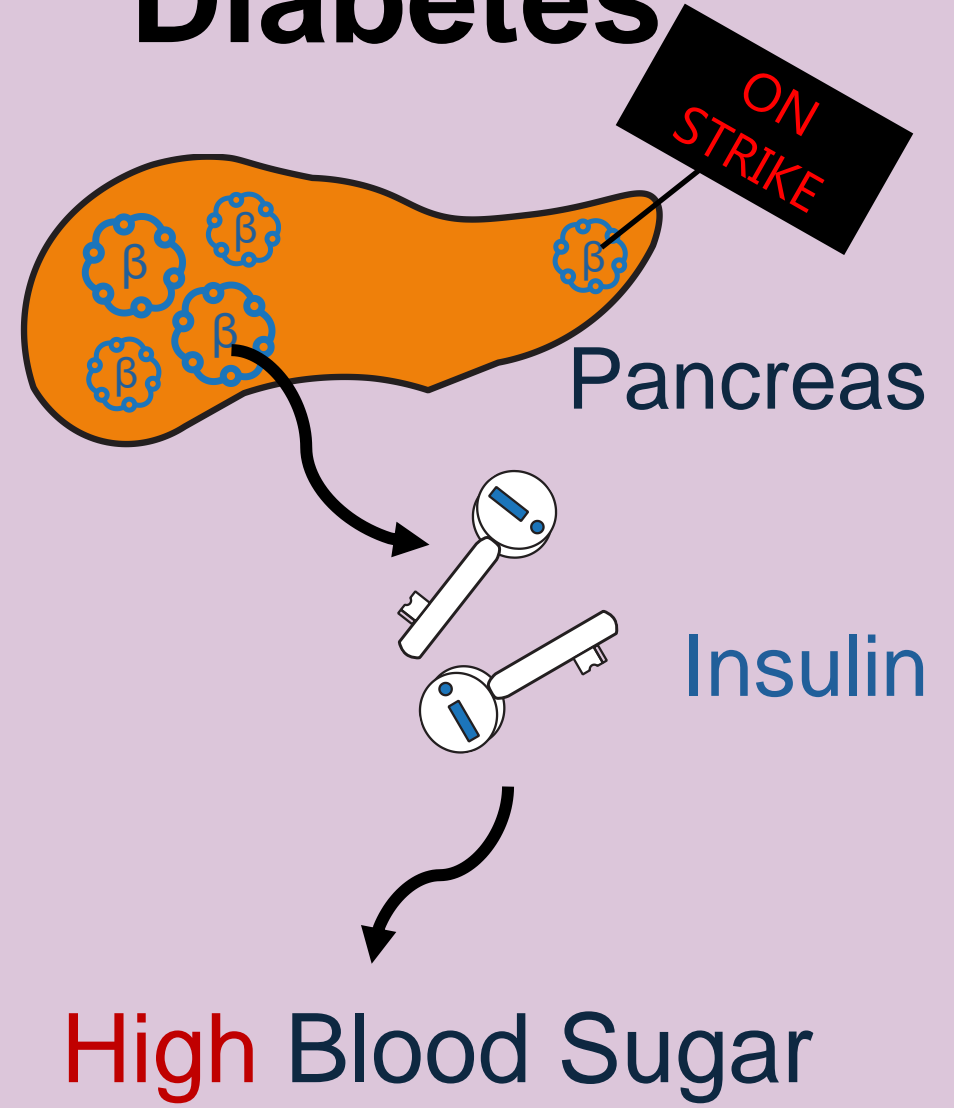
# How our bodies use sugar?



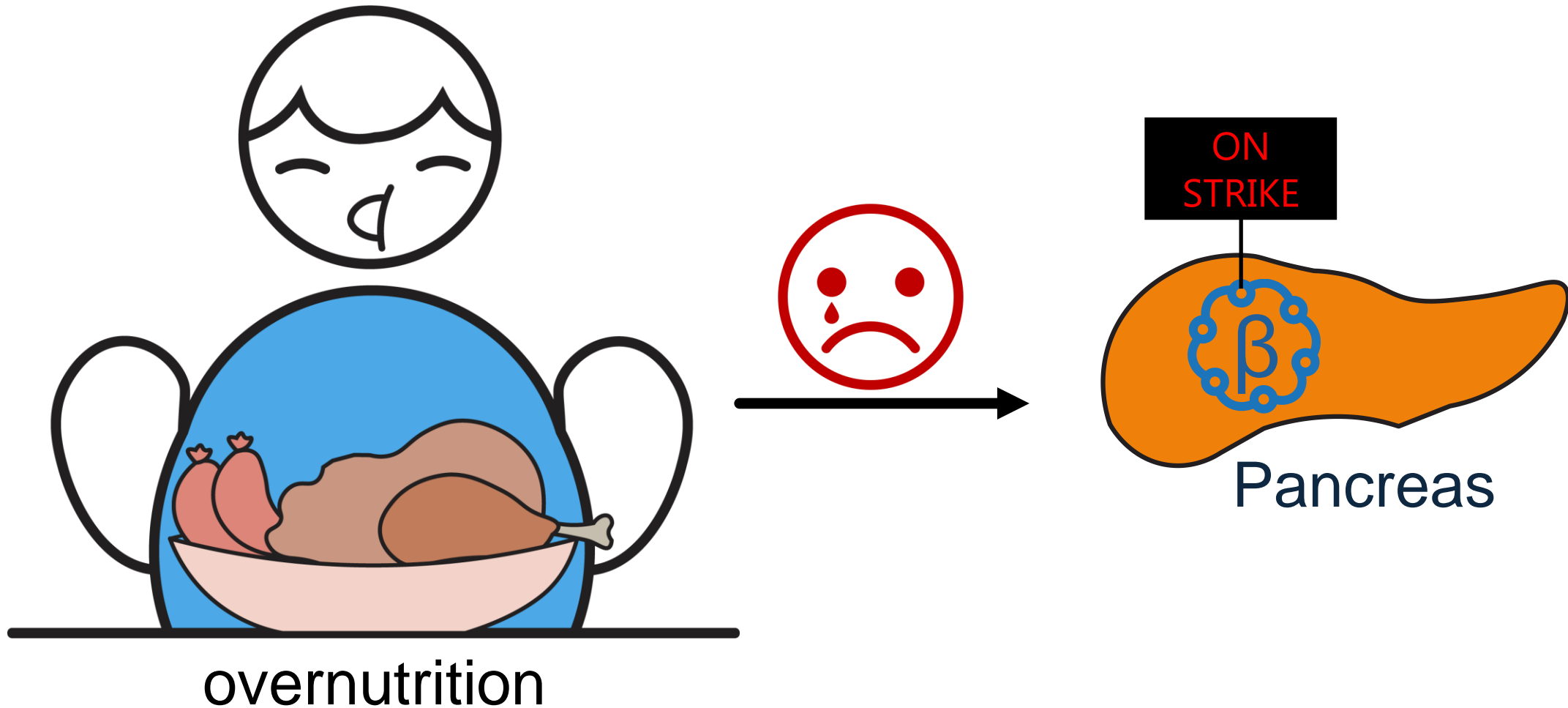
# Normal



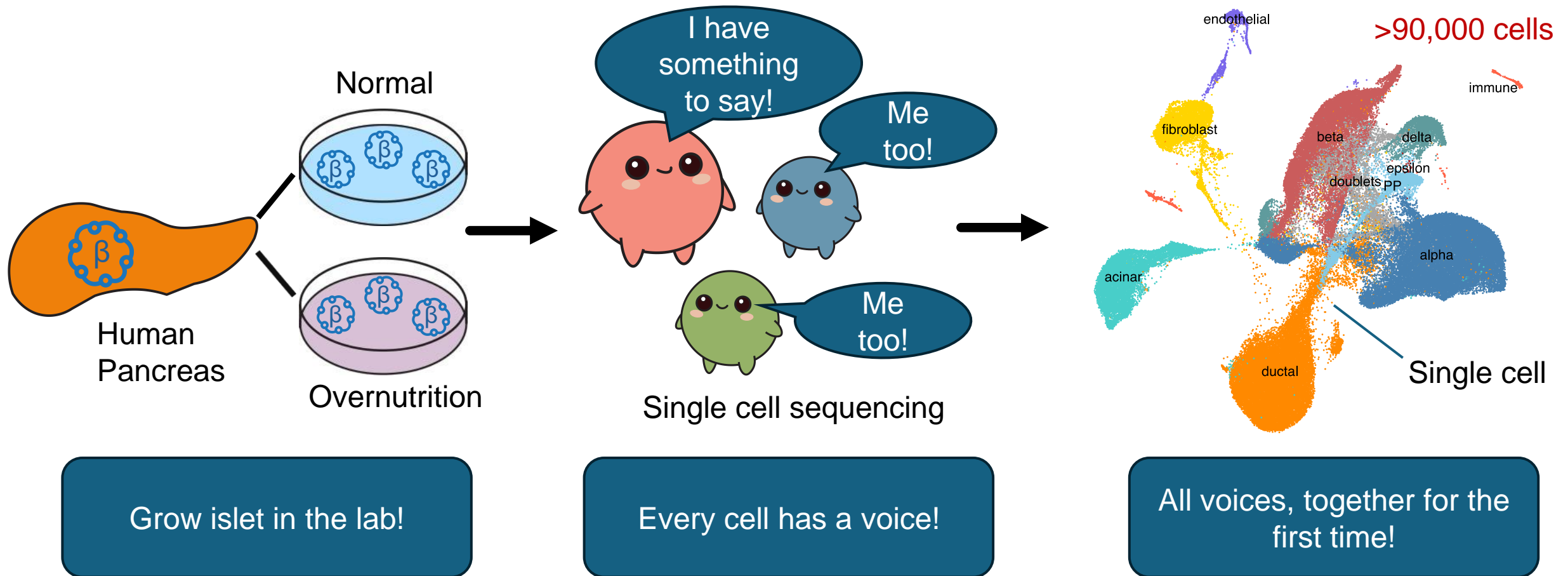
# Diabetes



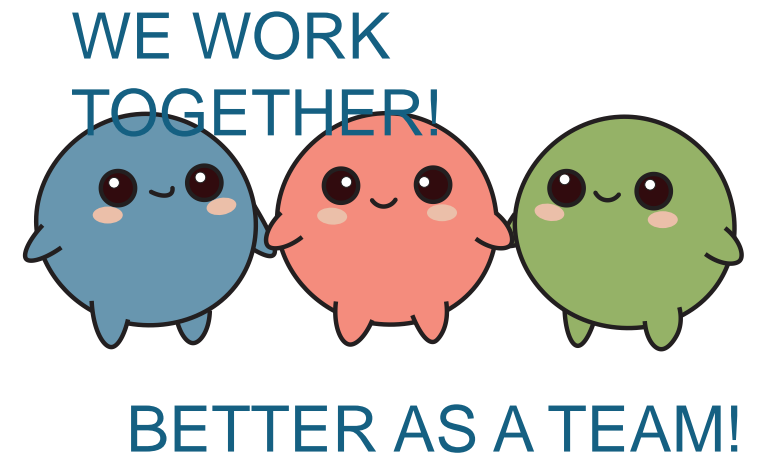
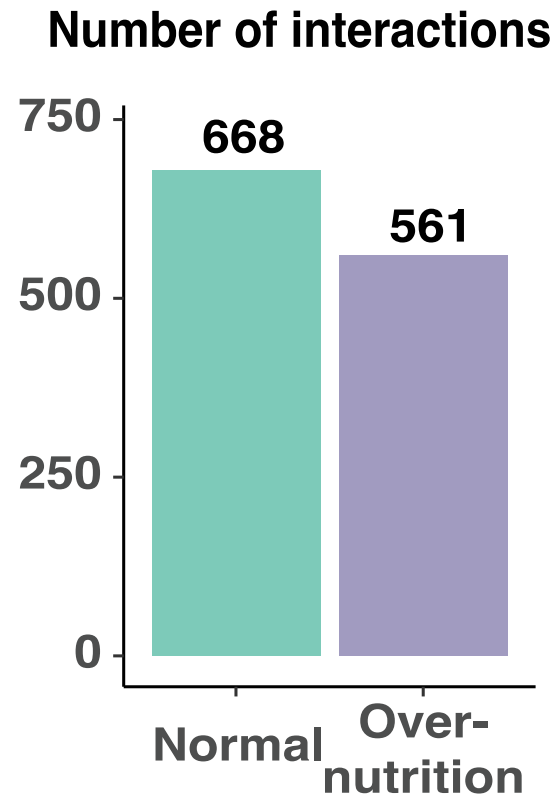
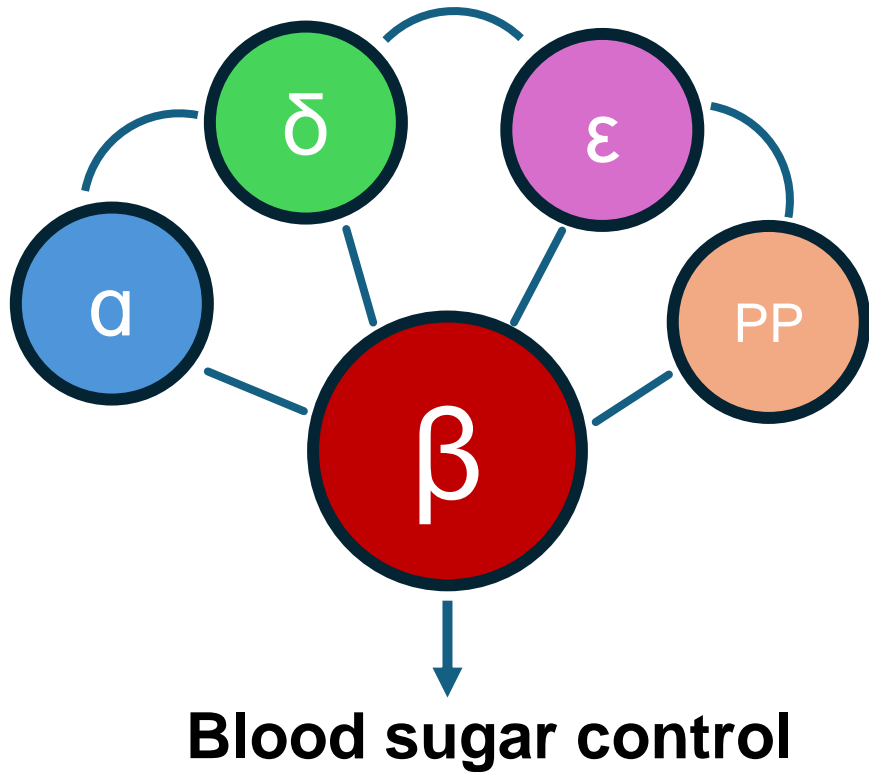
# How overnutrition leads to diabetes?



# Let the cells tell the story!



# What did the cell say?





# Acknowledgements



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



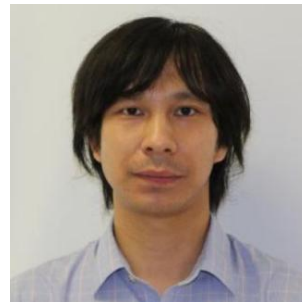
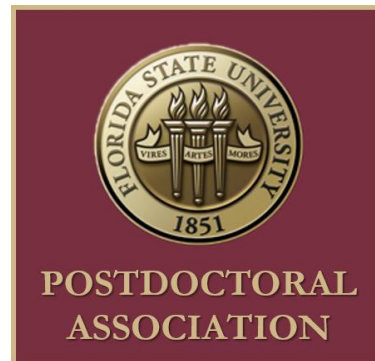
**Hye Jin Park**  
Associate Professor  
PhD, RN



**Hongyu Miao**  
Professor, Director of Brain  
Science & Symptom  
Management Center  
PhD



**Dan Song**  
Postdoctoral Scholar  
RN, PhD



**Chengdong Li**  
Data Scientist



**Buna Bhandari**  
Postdoctoral Scholar  
MPH, PhD



**Setor Kofi Sorkpor**  
Assistant Professor  
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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