

# Division of Endocrinology – Clinical Research

## NET Tumors



### Joseph Dillon, MB, BCh, BAO

Professor – Endocrinology

Director of Neuroendocrine Tumor Clinic

- Expertise in NET treatment and clinical trials.

UI Health Care designated first Pheo Para Cancer Center of Excellence in Iowa and surrounding states



## Obesity/Diabetes Therapy



### Marcelo Correia, MD, MSc, PhD

Clinical Assistant Professor

- Clinician for MOVE! program for obesity treatment at VA.
- Clinical Trial on Very Low Calorie Diets for MASLD



### William Sivitz, MD

Emeritus Professor of Endocrinology

- Director of Iowa site for GRADE Trial and EDIC continuing trials.
- Basic Research: Control of energy utilization and Mitochondrial Reactive Oxidant damage in diabetes.

## Bone/Education



### Amal Shibli-Rahhal, MD, MS

1. Clinical Professor Endocrinology
2. Associate Dean for Student Affairs and Curriculum, CCOM

- Clinical Research in Bone Health.
- Expertise in QI projects.
- Research projects in Medical Education

## Weight Stigma

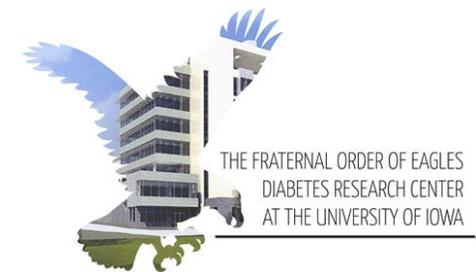


### Kathleen Robinson, MD, PhD

Assistant Professor

- Research in clinical effects of Weight Stigma in Healthcare

# Division of Endocrinology – Basic Research



<https://medicine.uiowa.edu/diabetes/>

## PVD and Diabetes

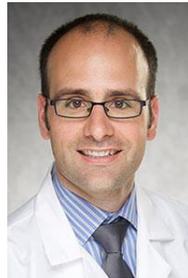


**Ayotunde Dokun, MD, PhD**  
Chief of Endocrinology

Lab Goals:

- Molecular mechanisms of Diabetes-related PVD, vascular occlusion and Thrombosis.

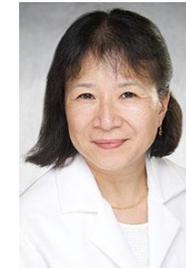
## Diabetic Muscle disease



**Brian T. O'Neill, MD, PhD**  
Associate Professor - Endocrinology  
Program Director for Endocrine Fellowship

- Insulin/FoxO action on Muscle Strength and Mitochondrial Function in Diabetes.

## Beta-Cell Dysfunction



**Yumi Imai, MD**  
Professor - Endocrinology  
Lab Goals:

- Lipid handling and inflammation as contributors to pancreatic beta-cell failure in type 2 diabetes.

## Dyslipidemia



**Bhagirath Chaurasia, PhD**  
Assistant Professor - Endocrinology

- Effect of ceramides and other toxic lipids on cardiometabolic disease.

## BAT Function and CVD



**Renata P. Alambert, PhD**  
Assistant Professor - Endocrinology

- Brown adipose tissue function
- GDF-15 and cardiac function



**Sam Stephens, PhD**  
Associate Professor - Endocrinology  
Lab Goals:

- Fundamental aspects of islet cell function, insulin secretion, and beta cell survival.

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## Clinical Research Projects



- **Immediate preoperative hyperglycemia correlates with complications in non-cardiac surgical cases**

- Sarah Dougherty (Former Medical Student)
- Julie Schommer (Former Fellow)

*J Clin Anesth.* 2021 Nov;74:110375.



- **QI project on MASLD/MASH knowledge in PCPs**

- Mitra Asadi (Current Fellow)

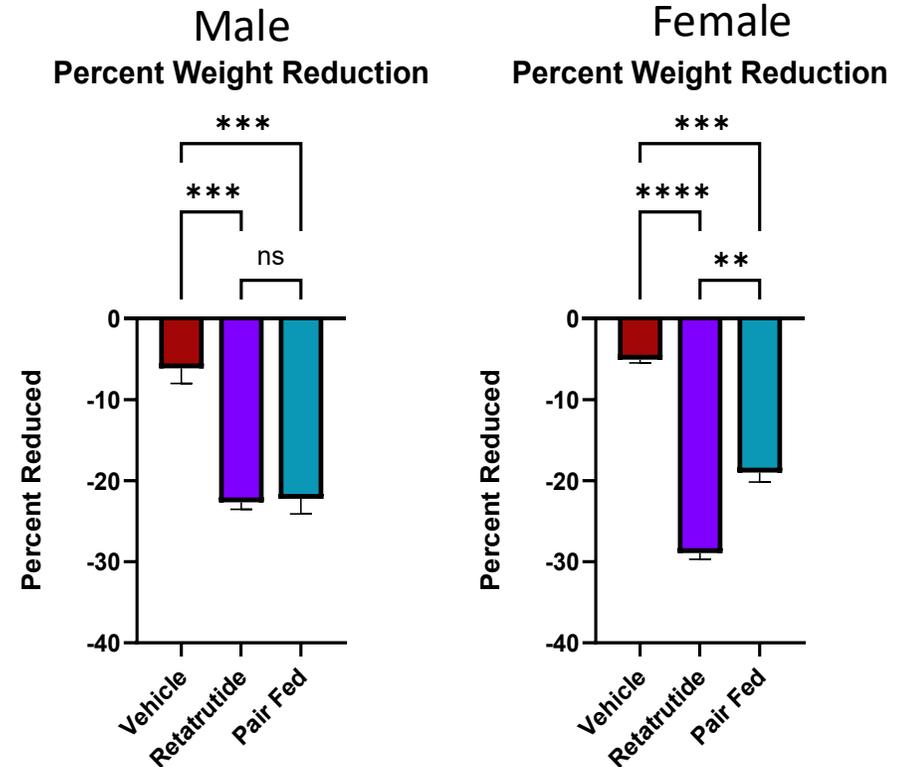
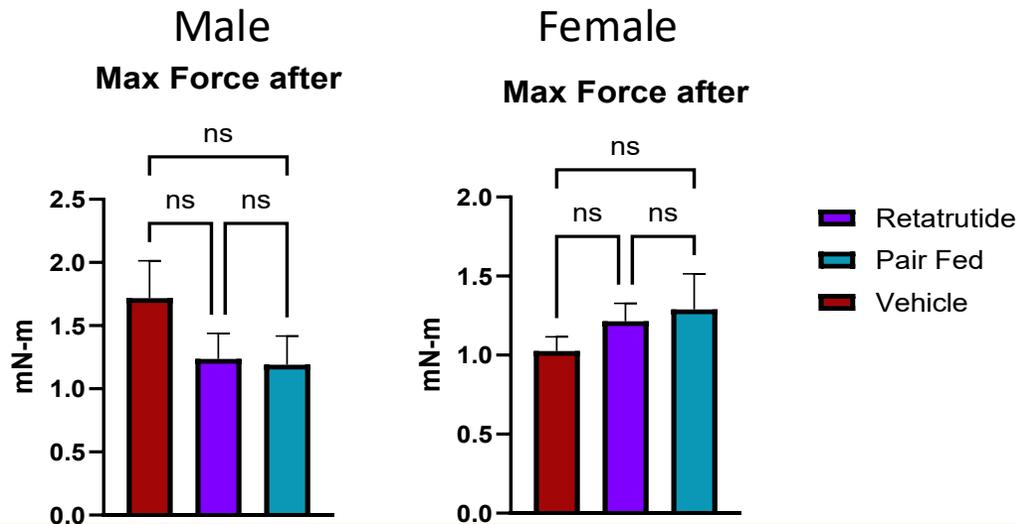
*Developed a survey to be given to PCPs (Family Medicine and Int Med) about MASLD knowledge and current treatments with Educational video.*

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## Clinical and Basic Research Projects

- **Weight loss drugs on Muscle size and Function:**
  - Kyle Baum (Peds Endocrine Fellow).  
Received PES award for ongoing research  
Approved IRB



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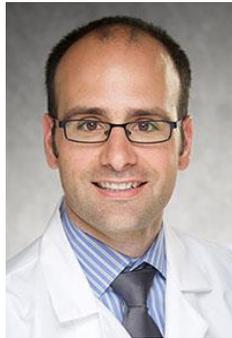
- **Discovery of New pathways affected by Lrrc2, a novel muscle protein**

- Deepak Vangipuram (Current Fellow)  
*Analyzed RNA Seq data from an Lrrc2 Knockout mouse to discover its role in diabetic muscle disease*

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## Contact for Research in Endocrinology:



**Brian T. O'Neill, MD, PhD**

Associate Professor – Endocrinology  
Program Director  
Fellowship Research Coordinator

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