

POSTERS

- 1** *Metabolic STAMP for deciphering GPCR-regulated insulin secretion by pancreatic β cells*
Mohammad Ovais Aziz-Zanjani, Rachel E. Turn, Yan Hang, Anushweta Asthana, Leilani Elizabeth LaBrie, Mohammadamin Mobedi, Lucy Artemis Xu, Michael Krawitzky, Seung K. Kim, Peter K. Jackson
Assistant Professor with Turn Lab (UW)
- 2** *Crossing the Membrane: An Unexpected Role for N-Acetylglucosamine Transport in Metabolic Homeostasis*
Zhenyu Lyu, Rowan Hassman, Boyuan Wang, Ruida Li, Mariah Calubag, **Wei Wei**
Assistant Professor of Biochemistry (UW)
- 3** *Competing Needs and Barriers to Healthcare Seeking among Black Females with Type 2 Diabetes, Obesity, and Multi-Caregiving Responsibilities*
Joni S. Williams, Andrea Xu, Duo Yu, Aprill Z. Dawson
Associate Professor of Medicine (MCW)
- 4** *Comparison of Gestational Diabetes Treatment Modalities and Associated Placental Histopathology*
Jessica Chung, **Smriti Chanjeevaram**, Elizabeth Sapiro, Joy Chung, Lien M. Weiss, Meredith O. Cruz, Brock Polnaszek, Anna Palatnik
Graduate Student with Dr. Anna Palatnik (MCW)
- 5** *Implementing Diabetes Distress Screening in Adolescents with Type 1 and Type 2 Diabetes*
Anna Uhing, Whitney Beaton, Rachel Fenske, Kimberly Vidmar, MD; Mary Bekx, Elizabeth Mann
Clinical Fellow (UW)
- 6** *Understanding the differential association between SDOH and depression amongst adults with CKMS living in sugar cane farming communities and urban areas of the Dominican Republic*
Alexandra Beimborn, Rosio Acevedo, Iris Melania de la Cruz, Luisa Reyes, Joni S. Williams, Aprill Z. Dawson
Graduate Student with Dr. Aprill Dawson (MCW)
- 7** *Role of (Down Syndrome Cell Adhesion Molecule)DSCAM in Islet of Langerhans*
Alyssa Schuett, Barak Blum
Graduate Student with Dr. Barak Blum (UW)
- 8** *Assessing cone function in individuals with type-1 diabetes using intensity-based optoretinography*
Brennan, Brea D., Rios, Niko, and Cooper, Robert F.
Graduate Student with Ocular Computer Vision Lab (MCW)
- 9** *The Beta Cell "Invisibility Cloak" - Insights into Immune Recognition and β -Cell Stress*
Leavens C., Jurens N, Gumperz J, Baiu D, Chamberlain CS, Kapadia D, Abad Santos E, Palwasha Khan A, Sackett SD, Chlebeck P, Tremmel D, Wang X, Huangfu D, Odorico J.
Graduate student with Dr. Jon Odorico (UW)
- 10** *Sex-Specific Regulation of Placental O-GlcNAc Transferase in Response to Maternal Stress*
Elaine Schumacher, Stephanie Olivier-Van Stichelen
Graduate student with Dr. Stephanie Olivier-Van Stichelen (MCW)
- 11** *Identifying the Correlates of Glycemic Control in Adults with Cardiovascular-Kidney-Metabolic Syndrome (CKMS) and Understanding Whether these Correlates Differ by Age*
Ella Simms, Iris Melania de la Cruz, Luisa Reyes, Rosio Acevedo, Joni S. Williams, Aprill Z. Dawson
Graduate student with Dr. Aprill Dawson (MCW)
- 12** *Understanding social risks mediators of the relationship between obesity and incident dementia in Hispanic/Latine older adults living in the United States*
Fiona Chanlatte, Abigail Thorgerson, Joni S. Williams, Maihlee Her, Aprill Dawson
Graduate student with Dr. Aprill Dawson (MCW)
- 13** *In vitro pro-inflammatory cytokine exposure reversibly alters nucleotide levels in β -cells*
Jeff Pietroske, Charles Danaher, Aaron Naatz, John Corbett
Graduate Student with Dr. John Corbett (MCW)
- 14** *STAT1 signaling in β -cells is necessary for protection against virus-mediated diabetes*
Katherine R. Harty, Jacob T. Bartosiak, Polly A. Hansen, John A. Corbett
Graduate Student with Dr. John Corbett (MCW)
- 15** *Understand the differential relationship between food insecurity and obesity by gender in adults at increased risk of cardiovascular disease in the middle-income country of the Dominican Republic*
Kristin Schaars, Luisa Reyes, Iris Melania de la Cruz, Rosio Acevedo, Joni S. Williams, Aprill Z. Dawson
Graduate student with Dr. Aprill Dawson (MCW)
- 16** *O-GlcNAcylation as a nutrient-sensitive regulator of placental growth hormone expression in gestational diabetes mellitus*
Lilyanna Massman, Rania Chefri, Stephanie Olivier-Van Stichelen
Graduate Student with Dr. Stephanie Olivier-Van Stichelen (MCW)
- 17** *Spatial Resolution of Extraendocrine Slit2/3 in Compensatory Islet Expansion*
Matthew R. Wagner, Nicolas G. Pintozzi, Bjorn M. Schoff, Marissa I. Gold, Barak Blum
Graduate student with Dr. Barak Blum (UW)
- 18** *CD36 and Its Splice Variants Distinguish Susceptibility to Acylcarnitine-Induced Lipotoxicity*
Michaela Morhaus, Helaina Walesewicz, Andrea Hunger, Charles Opara, Alan Attie, Judith Simcox
Graduate Student with Dr. Judith Simcox (UW)
- 19** *Distinct BET Bromodomain Dependencies Regulate Inflammatory Transcription in Macrophages and Pancreatic β -Cells*
Paul F.W. Sidlowski, Savannah J. Makowski, Joshua A. Nord, and Brian C. Smith
Graduate Student with Dr. Brian Smith (MCW)
- 20** *Robo2 Knock-Out improves islet proliferation in short term, but not long term, HFD challenge*
Rachel Kasper, Katelyn Kosfeld, and Barak Blum
Graduate Student with Dr. Barak Blum (UW)
- 21** *Loss of G Protein Subunit Alpha Z (GNAZ) Prevents Diabetes Disease Progression by Promoting Retention of Beta Cell Maturity*
Modhurima, R., Wisinski J., Kimple, M.
Graduate Student with Drs. Michelle Kimple and Dawn Davis (UW)

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- 22** *Qualitative Analysis of Diabetes Distress and Type 2 Diabetes Self-Management in African American and Black Adults*
Sarah Walters, Lexie Goke, Katherine Quinn, Joni S. Williams
 Graduate Student with Dr. Joni Williams (MCW)
- 23** *Time from gestational diabetes diagnosis to medical nutrition therapy and its effect on pregnancy outcomes*
Alyssa Hernandez, Raven Hall, Nadine Sunji, Melodee Liegl, Amy Pan, Anna Palatnik
 Staff Scientist with Dr. Anna Palatnik (MCW)
- 24** *PEPCK Regulates Adipose Tissue Energy Balance and Lipid Homeostasis*
Yutong Bao, Julia Hansen, Li-Yu Chen, Katherine Overmyer, Matthew J. Merrins, Joshua J. Coon, Andrea Galmozzi
 Graduate Student with Dr. Andrea Galmozzi (UW)
- 25** *Association between the diet diversity index and the ABCs of diabetes among adults with diabetes in the Dominican Republic*
Kelli Dunham, Iris Melania de la Cruz, Rosio Acevedo, Luisa Reyes, Joni S. Williams, Aprill Z. Dawson
 Researcher with Dr. Aprill Dawson (MCW)
- 26** *Assessing the Lived Experiences of Black Adults with Type 2 Diabetes: A Qualitative Focus on Food Insecurity*
Lexie Goke, Sarah Walters, Katherine Quinn, Joni S. Williams
 Medical Student (MCW)
- 27** *Understanding the associations between nativity, allostatic load, and incident dementia in older adults in the United States*
Maihlee Her, Abigail Thorgerson, Maya Santos, Aprill Z. Dawson
 Medical Student (MCW)
- 28** *Are there differences in sociodemographic variables and clinical outcomes by urban and rural residence amongst adults with diabetes in the Dominican Republic?*
Princesse Embankana, Luisa Reyes, Iris Melania de la Cruz, Rosio Acevedo, Joni S. Williams, Aprill Z. Dawson
 Postgraduate fellow (MCW)
- 29** *Effects of ampakine on the underactive bladder condition in type 1 diabetic mice model*
Firoj Alom, Bhavana Talluri, Aaron D Mickle
 Staff Scientist with Dr. Aaron Mickle (MCW)
- 30** *Sucralose inhibits key placental multidrug efflux transporter, BCRP*
Sarai Luna, Stephanie Olivier Van-Stichelen
 Lab Manager with Dr. Stephanie Olivier Van-Stichelen (MCW)
- 31** *Improving differentiation efficiency and functional maturity of human induced pluripotent stem cell-derived islets via epigenetic modulation*
Savannah J. Makowski, Joshua A. Nord, Sarah L. Wynia-Smith, and Brian C. Smith
 Research Technician with Dr. Brian Smith (MCW)
- 32** *Selective BET Bromodomain Inhibition Disrupts HNF1A-Dependent β -Cell Gene Networks Despite Anti-Inflammatory Effects*
Joshua A. Nord, Savannah J. Makowski, Rachel Jones Lipinski, Paul F.W. Sidlowski, John A. Corbett and Brian C. Smith
 Staff Scientist with Dr. Brian Smith (MCW)
- 33** *Sleeve gastrectomy improves metabolic health, cognition and reduces plaque pathology in an animal model of Alzheimer's disease.*
Reji Babygirija, Julia Illiano, Michelle M. Sonsalla, Grace Zhu, Tristan Molkentin, Meredith Peterson, Carolyn Winder, Madison Grover, Twinkle Mathew, Fan Xiao, Justin Wolter, Dudley Lamming, David A. Harris
 Postdoctoral Fellow with Dr. Dave Harris (UW)
- 34** *The synergistic impact of resistance training and altered protein diets in sleeve gastrectomy*
Jinge G. Zhu, Cara L. Green, Luiz Lopez, Ryan N. Marshall, Twinkle Mathew, Leah N. Braucher, Szczepan Olszewski, Christopher R. Jabbarpour, Julia Illiano, Yutong Bao, Samuel T. Saghaei, Adam R. Konopka, Justin M. Wolter, Andrea Galmozzi, Dawn B. Davis, Dudley W. Lamming, David A. Harris
 Staff Scientist with Dr. Dave Harris (UW)
- 35** *Risk Factors for Diabetic Ketoacidosis at Diagnosis of Type 1 Diabetes in Wisconsin Youth*
 Lauren Von Zabern, Ihsan M. Rizky, Aprill Z. Dawson, Joni S. Williams, **Susanne M. Cabrera**
 Professor of Pediatrics (MCW)
- 36** *Dynamin in pancreatic beta cells*
Xuelin Lou
 Professor of Cell Biology, Neurobiology and Anatomy (MCW)