




## Tracey McLaughlin

Professor of Medicine (Endocrinology)

Medicine - Endocrinology, Gerontology, & Metabolism

 NIH Biosketch available Online

### CLINICAL OFFICE (PRIMARY)

- **Endocrine Clinic within Ambulatory Care Clinic**

300 Pasteur Dr Rm A13

Stanford, CA 94305

**Tel** (650) 721-1300      **Fax** (650) 498-5823

### Bio

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#### BIO

Dr. McLaughlin graduated from Stanford University with honors and distinction in Human Biology, obtained a MS in Public Health at UC Berkeley, and MD at UC San Francisco. She completed her residency in Internal Medicine at Santa Clara Valley Medical Center and her fellowship in Endocrinology, Diabetes, and Metabolism at Stanford University School of Medicine. She is currently a clinician investigator who maintains an active clinic for patients with complicated type 1, type 2, or other forms of diabetes, polycystic ovarian disease, and hypoglycemia. Her clinical research program includes human studies on obesity, regional fat distribution, and the role of adipocytes and adipose tissue immune cells in promoting insulin resistance and type 2 diabetes. She also conducts studies on the role of incretin hormones in glucose metabolism and postbariatric hypoglycemia, and the use of continuous glucose monitoring and multi-omics methods to define metabolic sub-phenotypes and precision diets for individuals with prediabetes and type 2 diabetes.

#### CLINICAL FOCUS

- Endocrinology / Diabetes
- Endocrinology
- Diabetes and Metabolism

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Endocrinology, Gerontology, & Metabolism
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Maternal & Child Health Research Institute (MCHRI)

#### ADMINISTRATIVE APPOINTMENTS

- SPARK Member, Stanford University School of Medicine, (2015- present)
- Women's Health and Sex Differences in Medicine Committee Member, Stanford University, (2013- present)
- GCRC Advisory Committee, member, Stanford University, (2003- present)

- Appointments and Promotions Committee, Stanford University, (2018- present)
- Diabetes Task Force, Chair, Stanford Hospital, (2004- present)

## HONORS AND AWARDS

- Intern of the Year, Santa Clara Valley Medical Center (1995)
- K23 Award, NIH (2000)
- Junior Physician Investigator Award, American Federation for Medical Research (2004)
- Young Investigators' Forum Finalist, Northwestern University Feinberg School of Medicine (2005)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Endocrine Society (1997 - present)
- Member, American Diabetes Association (1997 - present)
- Steering Committee Member, World Congress on Insulin Resistance (2007 - present)

## PROFESSIONAL EDUCATION

- Board Certification: Endocrinology, Diabetes and Metabolism, American Board of Internal Medicine (2024)
- Fellowship: Stanford University Endocrinology Fellowship (2000) CA
- Residency: Santa Clara Valley Medical Center Internal Medicine Residency (1997) CA
- Internship: Santa Clara Valley Medical Center (1995) CA United States of America
- Medical Education: UCSF Medical Center (1994) CA
- M.S., Stanford University , Epidemiology (2004)
- M.D., U.C. San Francisco , Medicine (1994)
- M.S., U.C. Berkeley , Public Health (1992)
- B.A., Stanford University , Human Biology (1988)

## PATENTS

- Tracey McLaughlin. "United States Patent WO2016191394A1 Treatment of post-bariatric hypoglycemia with glp-1 antagonists", Eiger Biopharmaceuticals, May 22, 2015

## LINKS

- McLaughlin Lab Site: <https://mclaughlinlab.sites.stanford.edu/>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. McLaughlin conducts clinical research related to obesity, insulin resistance, diabetes, and cardiovascular disease (CVD). Current studies include: 1) the impact of macronutrient composition on metabolism, DM2 and CVD; 2) comparison of different weight loss diets on metabolism and CVD risk reduction ; 3) role of adipocytes and adipose tissue immune cells in modulating insulin resistance; 4) use of continuous glucose monitoring and multi-omics to define metabolic phenotype and precision diets

### CLINICAL TRIALS

- Adipose Tissue Response to Overfeeding in Insulin Resistance-Prone vs. Insulin Sensitive Humans, Not Recruiting
- Effect of BFKB8488A in NAFLD patients, Not Recruiting
- Effect of Liraglutide (Victoza) on Inflammation in Human Adipose Tissue and Blood, Not Recruiting
- Ertugliflozin: Cardioprotective Effects on Epicardial Fat, Not Recruiting

- Adaptive Immune Response in Visceral and Subcutaneous Fat: Role in Human Insulin Resistance, Not Specified

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

## Publications

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### PUBLICATIONS

- **Turning the Tide of Obesity Medicine: Tirzepatide in the Reversal of Lipotoxicity and Adipose Tissue Dysfunction in Humans with Overweight/Obesity**  
Yang, J., Turk, N., Huynh, R., Yandle, E., Chen, H., Saini, N., Johnston, C., Perelman, D., McLaughlin, T.  
W B SAUNDERS CO-ELSEVIER INC.2025
- **High-resolution lifestyle profiling and metabolic subphenotypes of type 2 diabetes.** *NPJ digital medicine*  
Park, H., Metwally, A. A., Delfarah, A., Wu, Y., Perelman, D., Mayer, C., McGinity, C., Rodgar, M., Celli, A., McLaughlin, T., Mignot, E., Snyder, M.  
2025; 8 (1): 352
- **Individual variations in glycemic responses to carbohydrates and underlying metabolic physiology.** *Nature medicine*  
Wu, Y., Ehlert, B., Metwally, A. A., Perelman, D., Park, H., Brooks, A. W., Abbasi, F., Michael, B., Celli, A., Bejikian, C., Ayhan, E., Lu, Y., Lancaster, et al  
2025
- **Impact of digital health interventions on glycemic control and weight management.** *NPJ digital medicine*  
Veluvali, A., Dehghani Zahedani, A., Hosseini, A., Aghaeepour, N., McLaughlin, T., Woodward, M., DiTullio, A., Hashemi, N., Snyder, M. P.  
2025; 8 (1): 20
- **Prediction of metabolic subphenotypes of type 2 diabetes via continuous glucose monitoring and machine learning.** *Nature biomedical engineering*  
Metwally, A. A., Perelman, D., Park, H., Wu, Y., Jha, A., Sharp, S., Celli, A., Ayhan, E., Abbasi, F., Gloyn, A. L., McLaughlin, T., Snyder, M. P.  
2024
- **Lifestyle Profiling Using Wearables and Prediction of Glucose Metabolism in Individuals with Normoglycemia or Prediabetes.** *medRxiv : the preprint server for health sciences*  
Park, H., Metwally, A. A., Delfarah, A., Wu, Y., Perelman, D., Rodgar, M., Mayer, C., Celli, A., McLaughlin, T., Mignot, E., Snyder, M.  
2024
- **Differentiation of Prior SARS-CoV-2 Infection and Postacute Sequelae by Standard Clinical Laboratory Measurements in the RECOVER Cohort.** *Annals of internal medicine*  
Erlandson, K. M., Geng, L. N., Selvaggi, C. A., Thaweethai, T., Chen, P., Erdmann, N. B., Goldman, J. D., Henrich, T. J., Hornig, M., Karlson, E. W., Katz, S. D., Kim, C., Cribbs, et al  
2024
- **Predicting Type 2 Diabetes Metabolic Phenotypes Using Continuous Glucose Monitoring and a Machine Learning Framework.** *medRxiv : the preprint server for health sciences*  
Metwally, A. A., Perelman, D., Park, H., Wu, Y., Jha, A., Sharp, S., Celli, A., Ayhan, E., Abbasi, F., Gloyn, A. L., McLaughlin, T., Snyder, M.  
2024
- **Correction: Digital health application integrating wearable data and behavioral patterns improves metabolic health.** *NPJ digital medicine*  
Zahedani, A. D., McLaughlin, T., Veluvali, A., Aghaeepour, N., Hosseini, A., Agarwal, S., Ruan, J., Tripathi, S., Woodward, M., Hashemi, N., Snyder, M.  
2024; 7 (1): 9
- **Digital health application integrating wearable data and behavioral patterns improves metabolic health.** *NPJ digital medicine*  
Zahedani, A. D., Veluvali, A., McLaughlin, T., Aghaeepour, N., Hosseini, A., Agarwal, S., Ruan, J., Tripathi, S., Woodward, M., Hashemi, N., Snyder, M.  
2023; 6 (1): 216

- **Inhibition of hyaluronan synthesis prevents  $\beta$ -cell loss in obesity-associated type 2 diabetes.** *Matrix biology : journal of the International Society for Matrix Biology*  
Nagy, N., Kaber, G., Sunkari, V. G., Marshall, P. L., Hargil, A., Kuipers, H. F., Ishak, H. D., Bogdani, M., Hull, R. L., Grandoch, M., Fischer, J. W., McLaughlin, T. L., Wight, et al  
2023
- **Generation of three induced pluripotent stem cell lines to model and investigate diseases affecting Hispanics.** *Stem cell research*  
Chen, I. Y., Olshausen, J., Thomas, D., Lai, C., McLaughlin, T. L., Wu, J. C.  
2022; 65: 102969
- **SARS-CoV-2 infection drives an inflammatory response in human adipose tissue through infection of adipocytes and macrophages.** *Science translational medicine*  
Martínez-Colón, G. J., Ratnasiri, K., Chen, H., Jiang, S., Zanley, E., Rustagi, A., Verma, R., Chen, H., Andrews, J. R., Mertz, K. D., Tzankov, A., Azagury, D., Boyd, et al  
2022: eabm9151
- **Global, distinctive, and personal changes in molecular and microbial profiles by specific fibers in humans.** *Cell host & microbe*  
Lancaster, S. M., Lee-McMullen, B., Abbott, C. W., Quijada, J. V., Hornburg, D., Park, H., Perelman, D., Peterson, D. J., Tang, M., Robinson, A., Ahadi, S., Contrepois, K., Hung, et al  
2022
- **Relationship Between Coronary Atheroma, Epicardial Adipose Tissue Inflammation, and Adipocyte Differentiation Across the Human Myocardial Bridge.** *Journal of the American Heart Association*  
McLaughlin, T., Schnitger, I., Nagy, A., Zanley, E., Xu, Y., Song, Y., Nieman, K., Tremmel, J. A., Dey, D., Boyd, J., Sacks, H.  
2021: e021003
- **Defining clinically important hypoglycemia in patients with postbariatric hypoglycemia.** *Surgery for obesity and related diseases : official journal of the American Society for Bariatric Surgery*  
Craig, C. M., McLaughlin, T. L.  
2021
- **Glucose Dynamics during OGTT Identify Metabolic Subphenotypes in Individuals with Glucose Dysregulation**  
Metwally, A. A., Perelman, D., Park, H., Celli, A., McLaughlin, T., Snyder, M.  
AMER DIABETES ASSOC.2021
- **Mechanisms Underlying Glycemic Reduction Following Roux-en-Y Gastric Bypass Surgery: Foregut Versus Hindgut Contributions**  
Craig, C. M., McLaughlin, T. L.  
W B SAUNDERS CO-ELSEVIER INC.2021: 87
- **PREVENT: A Randomized, Placebo-Controlled Crossover Trial of Avexitide for Treatment of Post-Bariatric Hypoglycemia.** *The Journal of clinical endocrinology and metabolism*  
Craig, C. M., Lawler, H. M., Lee, C. J., Tan, M., Davis, D. B., Tong, J., Glodowski, M., Rogowitz, E., Karaman, R., McLaughlin, T. L., Porter, L.  
2021
- **Guidelines for gastrostomy tube placement and enteral nutrition in patients with severe, refractory hypoglycemia after gastric bypass.** *Surgery for obesity and related diseases : official journal of the American Society for Bariatric Surgery*  
Zanley, E., Shah, N. D., Craig, C., Lau, J. N., Rivas, H., McLaughlin, T.  
2020
- **Safety, Efficacy and Pharmacokinetics of Repeat Subcutaneous Dosing of Avexitide (Exendin 9-39) for Treatment of Post-Bariatric Hypoglycemia.** *Diabetes, obesity & metabolism*  
Tan, M., Lamendola, C., Luong, R., McLaughlin, T., Craig, C.  
2020
- **FAM13A affects body fat distribution and adipocyte function.** *Nature communications*  
Fathzadeh, M. n., Li, J. n., Rao, A. n., Cook, N. n., Chennamsetty, I. n., Seldin, M. n., Zhou, X. n., Sangwung, P. n., Gludemans, M. J., Keller, M. n., Attie, A. n., Yang, J. n., Wabitsch, et al  
2020; 11 (1): 1465
- **Plasma FGF-19 Levels are Increased in Patients with Post-Bariatric Hypoglycemia** *OBESITY SURGERY*

- Mulla, C. M., Goldfine, A. B., Dreyfuss, J. M., Houten, S., Pan, H., Pober, D. M., Albrechtsen, N., Svane, M. S., Schmidt, J. B., Holst, J., Craig, C. M., McLaughlin, T. L., Patti, et al  
2019; 29 (7): 2092–99
- **Hyaluronan levels are increased systemically in human type 2 but not type 1 diabetes independently of glycemic control** *MATRIX BIOLOGY*  
Nagy, N., Sunkari, V. G., Kaber, G., Hasbun, S., Lam, D. N., Speake, C., Sande, S., McLaughlin, T. L., Wight, T. N., Long, S. R., Bollyky, P. L.  
2019; 80: 46–58
  - **Generating biosimilar therapeutic drugs through innovative technology and operational excellence** *NATURE*  
Zhou, B.  
2019; 569 (7755)
  - **A longitudinal big data approach for precision health** *NATURE MEDICINE*  
Rose, S., Contrepois, K., Moneghetti, K. J., Zhou, W., Mishra, T., Mataraso, S., Dagan-Rosenfeld, O., Ganz, A. B., Dunn, J., Hornburg, D., Rego, S., Perelman, D., Ahadi, et al  
2019; 25 (5): 792–+
  - **Longitudinal multi-omics of host-microbe dynamics in prediabetes.** *Nature*  
Zhou, W., Sailani, M. R., Contrepois, K., Zhou, Y., Ahadi, S., Leopold, S. R., Zhang, M. J., Rao, V., Avina, M., Mishra, T., Johnson, J., Lee-McMullen, B., Chen, et al  
2019; 569 (7758): 663–71
  - **Plasma FGF-19 Levels are Increased in Patients with Post-Bariatric Hypoglycemia.** *Obesity surgery*  
Mulla, C. M., Goldfine, A. B., Dreyfuss, J. M., Houten, S., Pan, H., Pober, D. M., Wewer Albrechtsen, N. J., Svane, M. S., Schmidt, J. B., Holst, J. J., Craig, C. M., McLaughlin, T. L., Patti, et al  
2019
  - **A longitudinal big data approach for precision health.** *Nature medicine*  
Schüssler-Fiorenza Rose, S. M., Contrepois, K. n., Moneghetti, K. J., Zhou, W. n., Mishra, T. n., Mataraso, S. n., Dagan-Rosenfeld, O. n., Ganz, A. B., Dunn, J. n., Hornburg, D. n., Rego, S. n., Perelman, D. n., Ahadi, et al  
2019; 25 (5): 792–804
  - **High-frequency actionable pathogenic exome variants in an average-risk cohort** *COLD SPRING HARBOR MOLECULAR CASE STUDIES*  
Rego, S., Dagan-Rosenfeld, O., Zhou, W., Sailani, M., Limcaoco, P., Colbert, E., Avina, M., Wheeler, J., Craig, C., Salins, D., Rost, H. L., Dunn, J., McLaughlin, et al  
2018; 4 (6)
  - **High Frequency Actionable Pathogenic Exome Variants in an Average-Risk Cohort.** *Cold Spring Harbor molecular case studies*  
Rego, S., Dagan-Rosenfeld, O., Zhou, W., Sailani, M. R., Limcaoco, P., Colbert, E., Avina, M., Wheeler, J., Craig, C., Salins, D., Rost, H. L., Dunn, J., McLaughlin, et al  
2018
  - **Hyaluronan levels are increased systemically in human type 2 but not type 1 diabetes independently of glycemic control.** *Matrix biology : journal of the International Society for Matrix Biology*  
Nagy, N., Sunkari, V. G., Kaber, G., Hasbun, S., Lam, D. N., Speake, C., Sanda, S., McLaughlin, T. L., Wight, T. N., Long, S. R., Bollyky, P. L.  
2018
  - **Hypoglycemia After Gastric Bypass Surgery: Current Concepts and Controversies** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
Salehi, M., Vella, A., McLaughlin, T., Patti, M.  
2018; 103 (8): 2815–26
  - **Glucotypes reveal new patterns of glucose dysregulation.** *PLoS biology*  
Hall, H., Perelman, D., Breschi, A., Limcaoco, P., Kellogg, R., McLaughlin, T., Snyder, M.  
2018; 16 (7): e2005143
  - **Glucotypes reveal new patterns of glucose dysregulation** *PLOS BIOLOGY*  
Hall, H., Perelman, D., Breschi, A., Limcaoco, P., Kellogg, R., McLaughlin, T., Snyder, M.  
2018; 16 (7)
  - **Efficacy and pharmacokinetics of subcutaneous exendin (9-39) in patients with post-bariatric hypoglycaemia** *DIABETES OBESITY & METABOLISM*

- Craig, C. M., Liu, L., Thi Nguyen, Price, C., Bingham, J., McLaughlin, T. L.  
2018; 20 (2): 352–61
- **Integrative Personal Omics Profiles during Periods of Weight Gain and Loss.** *Cell systems*  
Piening, B. D., Zhou, W. n., Contrepolis, K. n., Röst, H. n., Gu Urban, G. J., Mishra, T. n., Hanson, B. M., Bautista, E. J., Leopold, S. n., Yeh, C. Y., Spakowicz, D. n., Banerjee, I. n., Chen, et al  
2018
  - **Metabolic markers, regional adiposity, and adipose cell size: relationship to insulin resistance in African-American as compared with Caucasian women.** *International journal of obesity (2005)*  
Allister-Price, C. n., Craig, C. M., Spielman, D. n., Cushman, S. S., McLaughlin, T. L.  
2018
  - **T-Cells in Human Subcutaneous Adipose Tissue**  
McLaughlin, T., Liu, L., Craig, C., Perelman, D., Choi, O., Tolentino, L., Engleman, E.  
AMER DIABETES ASSOC.2017: A90
  - **Substituting poly- and mono-unsaturated fat for dietary carbohydrate reduces hyperinsulinemia in women with polycystic ovary syndrome** *GYNECOLOGICAL ENDOCRINOLOGY*  
Perelman, D., Coghlan, N., Lamendola, C., Carter, S., Abbasi, F., McLaughlin, T.  
2017; 33 (4): 324-327
  - **Critical role for GLP-1 in symptomatic post-bariatric hypoglycaemia.** *Diabetologia*  
Craig, C. M., Liu, L., Deacon, C. F., Holst, J. J., McLaughlin, T. L.  
2017; 60 (3): 531-540
  - **Role of innate and adaptive immunity in obesity-associated metabolic disease** *JOURNAL OF CLINICAL INVESTIGATION*  
McLaughlin, T., Ackerman, S. E., Shen, L., Engleman, E.  
2017; 127 (1): 5-13
  - **Digital Health: Tracking Physiomes and Activity Using Wearable Biosensors Reveals Useful Health-Related Information.** *PLoS biology*  
Li, X., Dunn, J., Salins, D., Zhou, G., Zhou, W., Schüssler-Fioenza Rose, S. M., Perelman, D., Colbert, E., Runge, R., Rego, S., Sonecha, R., Datta, S., McLaughlin, et al  
2017; 15 (1)
  - **Digital Health: Tracking Physiomes and Activity Using Wearable Biosensors Reveals Useful Health-Related Information** *PLOS BIOLOGY*  
Li, X., Dunn, J., Salins, D., Zhou, G., Zhou, W., Rose, S. M., Perelman, D., Colbert, E., Runge, R., Rego, S., Sonecha, R., Datta, S., McLaughlin, et al  
2017; 15 (1)
  - **Adipose tissue macrophages impair preadipocyte differentiation in humans.** *PloS one*  
Liu, L. F., Craig, C. M., Tolentino, L. L., Choi, O., Morton, J., Rivas, H., Cushman, S. W., Engleman, E. G., McLaughlin, T.  
2017; 12 (2)
  - **Substituting poly- and mono-unsaturated fat for dietary carbohydrate reduces hyperinsulinemia in women with polycystic ovary syndrome.** *Gynecological endocrinology*  
Perelman, D., Coghlan, N., Lamendola, C., Carter, S., Abbasi, F., McLaughlin, T.  
2016: 1-4
  - **A glucocorticoid- and diet-responsive pathway toggles adipocyte precursor cell activity in vivo.** *Science signaling*  
Wong, J. C., Krueger, K. C., Costa, M. J., Aggarwal, A., Du, H., McLaughlin, T. L., Feldman, B. J.  
2016; 9 (451): ra103-?
  - **Subcutaneous Exendin (9-39) Effectively Treats Postbariatric Hyperinsulinemic Hypoglycemia**  
Craig, C. M., McLaughlin, T. L.  
AMER DIABETES ASSOC.2016: A7–A8
  - **Adipose Cell Size and Regional Fat Deposition as Predictors of Metabolic Response to Overfeeding in Insulin-Resistant and Insulin-Sensitive Humans** *DIABETES*  
McLaughlin, T., Craig, C., Liu, L., Perelman, D., Allister, C., Spielman, D., Cushman, S. W.  
2016; 65 (5): 1245-1254

- **Pasireotide Induced Adrenal Insufficiency.** *Clinical endocrinology*  
Weaver, K. n., Craig, C. n., McLaughlin, T. n.  
2016
- **Macro fat and micro fat: insulin sensitivity and gender dependent response of adipose tissue to isocaloric diet change** *ADIPOCYTE*  
Li, Y., Gaillard, J. R., McLaughlin, T., Sorensen, T. I. A., Periwai, V.  
2015; 4 (4): 256–63
- **The receptor CD44 is associated with systemic insulin resistance and proinflammatory macrophages in human adipose tissue** *DIABETOLOGIA*  
Liu, L. F., Kodama, K., Wei, K., Tolentino, L. L., Choi, O., Engleman, E. G., Butte, A. J., McLaughlin, T.  
2015; 58 (7): 1579-1586
- **In vivo 2H2O administration reveals impaired triglyceride storage in adipose tissue of insulin-resistant humans.** *Journal of lipid research*  
Allister, C. A., Liu, L., Lamendola, C. A., Craig, C. M., Cushman, S. W., Hellerstein, M. K., McLaughlin, T. L.  
2015; 56 (2): 435-439
- **T-Cell Profile in Adipose Tissue Is Associated With Insulin Resistance and Systemic Inflammation in Humans** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*  
McLaughlin, T., Liu, L., Lamendola, C., Shen, L., Morton, J., Rivas, H., Winer, D., Tolentino, L., Choi, O., Zhang, H., Chng, M. H., Engleman, E.  
2014; 34 (12): 2637-2643
- **T-cell profile in adipose tissue is associated with insulin resistance and systemic inflammation in humans.** *Arteriosclerosis, thrombosis, and vascular biology*  
McLaughlin, T., Liu, L., Lamendola, C., Shen, L., Morton, J., Rivas, H., Winer, D., Tolentino, L., Choi, O., Zhang, H., Hui Yen Chng, M., Engleman, E.  
2014; 34 (12): 2637-2643
- **Subcutaneous Adipose Cell Size and Distribution: Relationship to Insulin Resistance and Body Fat** *OBESITY*  
McLaughlin, T., Lamendola, C., Coghlan, N., Liu, T. C., Lerner, K., Sherman, A., Cushman, S. W.  
2014; 22 (3): 673-680
- **The Winged Helix Transcription Factor Foxa3 Regulates Adipocyte Differentiation and Depot-Selective Fat Tissue Expansion** *MOLECULAR AND CELLULAR BIOLOGY*  
Xu, L., Panel, V., Ma, X., Du, C., Hugendubler, L., Gavrilova, O., Liu, A., McLaughlin, T., Kaestner, K. H., Muellera, E.  
2013; 33 (17): 3392-3399
- **Use of a two-stage insulin infusion study to assess the relationship between insulin suppression of lipolysis and insulin-mediated glucose uptake in overweight/obese, nondiabetic women** *METABOLISM-CLINICAL AND EXPERIMENTAL*  
McLaughlin, T., Yee, G., Glassford, A., Lamendola, C., Reaven, G.  
2011; 60 (12): 1741-1747
- **Preferential Fat Deposition in Subcutaneous Versus Visceral Depots Is Associated with Insulin Sensitivity** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
McLaughlin, T., Lamendola, C., Liu, A., Abbasi, F.  
2011; 96 (11): E1756-E1760
- **Apelin Expression in Human Adipocytes Is Associated with Insulin Sensitivity**  
Yue, P., Abbasi, F. A., Deng, A. C., Mclaughlin, T. L., Reaven, G. M., Tsao, P. S.  
AMER DIABETES ASSOC.2011: A480–A481
- **B cells promote insulin resistance through modulation of T cells and production of pathogenic IgG antibodies** *NATURE MEDICINE*  
Winer, D. A., Winer, S., Shen, L., Wadia, P. P., Yantha, J., Paltser, G., Tsui, H., Wu, P., Davidson, M. G., Alonso, M. N., Leong, H. X., Glassford, A., Caimol, et al  
2011; 17 (5): 610-U134
- **Differential adipogenic and inflammatory properties of small adipocytes in Zucker Obese and Lean rats** *DIABETES & VASCULAR DISEASE RESEARCH*  
Liu, A., Sonmez, A., Yee, G., Bazuine, M., Arroyo, M., Sherman, A., McLaughlin, T., Reaven, G., Cushman, S., Tsao, P.  
2010; 7 (4): 311-318

- **Glucose-Stimulated Insulin Secretion in Gastric Bypass Patients with Hypoglycemic Syndrome: No Evidence for Inappropriate Pancreatic beta-cell Function** *OBESITY SURGERY*  
Kim, S. H., Abbasi, F., Lamendola, C., Reaven, G. M., McLaughlin, T.  
2010; 20 (8): 1110-1116
- **Pioglitazone Increases the Proportion of Small Cells in Human Abdominal Subcutaneous Adipose Tissue** *OBESITY*  
McLaughlin, T. M., Liu, T., Yee, G., Abbasi, F., Lamendola, C., Reaven, G. M., Tsao, P., Cushman, S. W., Sherman, A.  
2010; 18 (5): 926-931
- **Reversible Hyperinsulinemic Hypoglycemia after Gastric Bypass: A Consequence of Altered Nutrient Delivery** *JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM*  
McLaughlin, T., Peck, M., Holst, J., Deacon, C.  
2010; 95 (4): 1851-1855
- **Using Pre-existing Microarray Datasets to Increase Experimental Power: Application to Insulin Resistance** *PLOS COMPUTATIONAL BIOLOGY*  
Daigle, B. J., Deng, A., McLaughlin, T., Cushman, S. W., Cam, M. C., Reaven, G., Tsao, P. S., Altman, R. B.  
2010; 6 (3)
- **Inflammation in subcutaneous adipose tissue: relationship to adipose cell size** *DIABETOLOGIA*  
McLaughlin, T., Deng, A., Yee, G., Lamendola, C., Reaven, G., Tsao, P. S., Cushman, S. W., Sherman, A.  
2010; 53 (2): 369-377
- **Plasma Glucose and Insulin Regulation Is Abnormal Following Gastric Bypass Surgery with or Without Neuroglycopenia** *OBESITY SURGERY*  
Kim, S. H., Liu, T. C., Abbasi, F., Lamendola, C., Morton, J. M., Reaven, G. M., McLaughlin, T. L.  
2009; 19 (11): 1550-1556
- **Differential Intra-abdominal Adipose Tissue Profiling in Obese, Insulin-resistant Women** *OBESITY SURGERY*  
Liu, A., McLaughlin, T., Liu, T., Sherman, A., Yee, G., Abbasi, F., Lamendola, C., Morton, J., Cushman, S. W., Reaven, G. M., Tsao, P. S.  
2009; 19 (11): 1564-1573
- **Plasma Glucose and Insulin Regulation Is Abnormal Following Gastric Bypass Surgery with or without Neuroglycopenia**  
Kim, S. H., Liu, T. C., Abbasi, F., Lamendola, C., Morton, J. M., Reaven, G. M., McLaughlin, T.  
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