

Curriculum Vitae

April 12, 2024

Name: Perry E. Bickel, M.D.
Office Address: Associate Professor of Medicine
Chief, Division of Endocrinology
Department of Internal Medicine
UT Southwestern Medical Center
5323 Harry Hines Blvd.
Dallas, TX 75390-8857
Work Phone: 214-648-3492
Work E-Mail: perry.bickel@utsouthwestern.edu

Education

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1977-1979, 1980-1982	B.A.	Philosophy, Classical Civilization	Yale University
1979-1984	Non-degree	Premedical and other classes	The University of Texas at Dallas, Southern Methodist University, and El Centro College, Dallas, TX
1984-1988	M.D.	Medicine	University of Texas Southwestern Medical School, Dallas, TX

Postdoctoral Training

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
1988-1990	Intern and Junior Assistant Resident	Medicine	Massachusetts General Hospital, Boston, MA
1990-1994	Clinical and Research Fellow	Medicine (Endocrinology)	Massachusetts General Hospital, Boston, MA
1990-1994	Research Fellow	Medicine	Harvard Medical School, Boston, MA

Professional Development Training

None.

Faculty Academic Appointments

Year(s)	Academic Title	Department	Academic Institution
1995-1998	Instructor	Medicine	Harvard Medical School, Boston, MA
1998-2007	Assistant Professor	Medicine; Cell Biology and Physiology	Washington University School of Medicine, St. Louis, MO
2007-2007	Associate Professor	Medicine (with Tenure) and Cell Biology and Physiology (with Tenure)	Washington University School of Medicine, St. Louis, MO
2007-2012	Associate Professor	Brown Foundation Institute of Molecular Medicine	University of Texas Health Science Center at Houston, Houston, TX
2007-2008	Visiting Associate Professor	Medicine	University of Texas Health Science Center at Houston, Houston, TX
2008-2012	Associate Professor	Medicine (with Tenure)	University of Texas Health Science Center at Houston, Houston, TX
2010-2012	Regular Member	Graduate School of Biomedical Sciences	University of Texas Health Science Center at Houston, Houston, TX
2011-2012	Becker Family Foundation Professorship in Diabetes Research	Brown Foundation Institute of Molecular Medicine	University of Texas Health Science Center at Houston, Houston, TX
2012-present	Associate Professor	Medicine (with Tenure) Division of Endocrinology	University of Texas Southwestern Medical Center, Dallas, TX
2012-2015	J.D. & Maggie E. Wilson Distinguished Chair in Biomedical Research	Medicine	University of Texas Southwestern Medical Center, Dallas, TX
2013-2019	Associate Member	Program in Integrative Biology, Graduate School of Biomedical Sciences	University of Texas Southwestern Medical Center, Dallas, TX
2015-present	Daniel W. Foster, M.D. Distinguished Chair in Internal Medicine	Medicine	University of Texas Southwestern Medical Center, Dallas, TX
2019-present	Associate Member	Program in Cell and Molecular Biology,	University of Texas Southwestern Medical Center, Dallas, TX

		Graduate School of Biomedical Sciences	
2022-present	Program Faculty	Molecular Metabolism & Metabolic Diseases Track (3MD)	University of Texas Southwestern Medical Center, Dallas, TX

Appointments at Hospitals/Affiliated Institutions

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
1995-1998	Clinical Assistant	Medicine/Endocrinology	Massachusetts General Hospital, Boston, MA
2000-2007	Attending Physician	Medicine/Endocrinology	Barnes-Jewish Hospital, St. Louis, MO
2008-2012	Attending Physician	Medicine/Endocrinology	Memorial Hermann Hospital, Houston, TX
2008-2012	Attending Physician	Medicine/Endocrinology	Harris County Hospital District, Houston, TX
2010-2012	Attending Physician	Medicine/Endocrinology	TIRR-Memorial Herman Hospital, Rehabilitation and Research, Houston, TX
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2012-present	Attending Physician	Internal Medicine/Endocrinology	University Hospital St. Paul/Clements University Hospital/Zale Lipshy, Dallas, TX
2012-present	Attending Physician	Internal Medicine/Endocrinology	Parkland Memorial Hospital, Dallas, TX

Other Professional Positions

Mellicell, Inc., Scientific Advisor, 2022-present

Current Licensure and Certification

Licensure
TX (Active)

Board and Other Certification

Year(s)	Specialty	Certifying Organization
1993-present	Endocrinology and Metabolism, participating in Longitudinal Knowledge Assessment	ABIM

Honors and Awards

Year	Name of Honor/Award	Awarding Organization
1982	Emerson Tuttle Cup	Davenport College, Yale University
1982	<i>Summa cum laude</i>	Yale University
1988	Alpha Omega Alpha	University of Texas Southwestern
1998	Named New Investigator	Clinical Nutrition Research Unit, Washington University School of Medicine
1999	Dannon Nutrition Leadership Institute	Selected for Class of 1999
2001	GlaxoSmithKline Development Partners Junior Faculty Award	GlaxoSmithKline
2007-2008	Best Doctors® In America	
2009-2010	Best Doctors® In America	
2011-2012	Best Doctors® In America	
2017, 2019-2023	Best Doctor, D Magazine	
2022	Frank H. Tyler, MD Honorary Endowed Lectureship	Department of Internal Medicine, University of Utah – Health Sciences

Major Administrative/Leadership Positions

Year(s)	Position Title	Institution
2006-2007	Co-Director of Adipocyte Biology Core, Clinical Nutrition Research Unit	Washington University School of Medicine, St. Louis, MO
2007-2012	Director of the Center for Diabetes and Obesity Research, (renamed Center for Metabolic and Degenerative Diseases in 2011)	Brown Foundation Institute of Molecular Medicine, University of Texas Health Science Center at Houston, Houston, TX
2007-2012	Associate Director of Endocrinology, Diabetes and Metabolism, Department of Internal Medicine,	University of Texas Health Science Center at Houston, Houston, TX
2012-present	Chief of Endocrinology, Department of Internal Medicine,	University of Texas Southwestern Medical Center, Dallas, TX
2012-2015	Director, Jean D. Wilson Center for Biomedical Research	University of Texas Southwestern Medical Center, Dallas, TX

2014-2018	Program Director, Fellowship in Endocrinology, Diabetes & Metabolism	University of Texas Southwestern Medical Center, Dallas, TX
2014-2016	Co-Organizer, 2016 FASEB Scientific Research Conference on Lipid Droplets	FASEB
2016-2018	Organizer, 2018 FASEB Scientific Research Conference on Lipid Droplets	FASEB
2018-present	Associate Program Director, Endocrine and Metabolism Training Grant	University of Texas Southwestern Medical Center, Dallas, TX

Committee Service (*Member, unless noted otherwise*)

Year(s)	Name of Committee	Institution/Organization
<u>Washington University School of Medicine</u>		
2003-2005	Graduate Admissions Committee	Division of Biology and Biomedical Sciences, Washington University School of Medicine
1998-2007	<u>Dissertation Committees for:</u> Robert Blanton, MS Haruhiko Murata, PhD Elizabeth Millard, PhD Racheal Richards, PhD Javier Revollo, PhD Josh Christopher Woloszynek, PhD Carlos Michael (I left WU prior to his defense)	Division of Biology and Biomedical Sciences, Washington University School of Medicine
1998-2007	<u>Qualifying Examination Committees for:</u> <u>Brian J. DeBosch, MD, PhD</u> <u>Elizabeth Millard, PhD</u> <u>Jesse J. Lugus</u> <u>Lauren Flessner</u>	Division of Biology and Biomedical Sciences, Washington University School of Medicine
<u>University of Texas Health Science Center at Houston (UTHSCH a.k.a UT Health)</u>		
2007-2008	Research Council, Department in Internal Medicine	University of Texas Medical School at Houston, Houston, TX
2008-2010	Management Committee, UTHSCH/Autonomous University of Nuevo Leon Joint Postdoctoral Program	University of Texas Health Science Center at Houston, Houston, TX
2008-2012	(3-year term, reappointed), Research Committee	University of Texas Health Science Center at Houston, Houston, TX
2008-2012	Chair, Metabolism Focus Group, Engine of Innovation, Center for Clinical and Translational Sciences	University of Texas Health Science Center at Houston, Houston, TX

2009-2012	UTHSCH/MDACC MD/PhD Committee	University of Texas Health Science Center at Houston, Houston, TX
2009-2012	Faculty Senator (3-year term), representing the Department of Internal Medicine	University of Texas Health Science Center at Houston, Houston, TX
2010-2012	The Houston Laboratory and Population Sciences Training Program in Gene-Environment Interactions	University of Texas Health Science Center at Houston, Houston, TX
2011	Committee on Committees	University of Texas Health Science Center at Houston, Houston, TX
2011-2012	Peer Review Committee, Brown Foundation Institute of Molecular Medicine	University of Texas Health Science Center at Houston, Houston, TX
<u>University of Texas Southwestern Medical Center (UTSW)</u>		
2012-present	Endocrine Fellowship Clinical Competency Committee	University of Texas Southwestern
2012-present	Endocrine Fellowship Interview Committee	University of Texas Southwestern
2012-2014	Chair, Mentorship Committee for Kevin Williams, Ph.D.	University of Texas Southwestern
2013	Mentorship Committee for Laurent Gautron, Ph.D.	University of Texas Southwestern
2013-2015	Search Committee for the Director of the Center for Human Nutrition	University of Texas Southwestern
2013-2015	Chair, Dissertation Committee, Jonathan Xia, M.D., Ph.D.	University of Texas Southwestern
2013-2015	Dissertation Committee, Bethany Cartwright, M.D., Ph.D.	University of Texas Southwestern
2014-2016	Search Committee for the Chief of Infectious Disease	University of Texas Southwestern
2016	Chair, Qualifying Exam Committee, Guanqiao Ding	University of Texas Southwestern
2016-2018	Dissertation Committee, Chelsea Hepler, Ph.D.	University of Texas Southwestern
2018	Chair, Qualifying Exam Committee, Subhajt Dasgupta, Ph.D.	University of Texas Southwestern
2018-2023	Dissertation Committee, Subhajt Dasgupta, Ph.D.	University of Texas Southwestern
2019-2022	Dissertation Committee, Qianbin Zhang, Ph.D.	University of Texas Southwestern
2019-2022	Dissertation Committee, Aakash Gandhi	University of Texas Southwestern
2020-present	Internal Medicine Performance Incentive Committee and P.I.C. Writing Subcommittee	University of Texas Southwestern
2021-present	Internal Medicine Tenure Track Research Compensation Committee	University of Texas Southwestern

<u>Hospitals</u>		
2013-2014	Glycemic Management Committee	Parkland Health & Hospital System
2013-present	Pharmacy & Therapeutics Committee, Subcommittee on Diabetes	Parkland Health & Hospital System
<u>State/Regional</u>		
2007-2009	Borderplex Council Task Force on Diabetes/Obesity	TX
2022-present	UT-Health Intelligence Platform (HIP) Expert Panel: Diabetes/Weight Management	TX
<u>National/International</u>		
2009-2011	Continuing Education Subcommittee	American Society of Nutrition

Professional Societies

Dates	Society Name, member
	American Diabetes Association, member
	The Endocrine Society, member
	The Obesity Society, member
2009-2011	Chair, Cellular and Molecular Track, Annual Scientific Meeting Program Committee Committee Member, 2007-2009
2012-present	Dallas County Medical Society, member
2012-present	Texas Medical Association, member

Community Engagement

Year(s)	Role	Organization or institution
1999-2011	Coach of youth sports teams (basketball and baseball)	
2003-2006	Board member, Secretary (2004), Vice Chair (2005-2006)	St. Michael's Houses, The Church of St. Michael and St. George, Clayton, MO

Educational Activities

1. Direct Teaching

Date	Course Name, Rotation or Session Topic	Role	Number of Instruction hours	Primary Learner Audience (number)	Department or Organization
<u>Medical and Graduate School (UME) Course Instruction, Small Group Instruction, Clinical Supervision</u>					

at Washington University School of Medicine (WUSTL), 1998-2007					
1998-2007	Internal Medicine Wards	Attending Physician	1 month/yr	Residents and Medical students	WUSTL
1998-2007	Endocrinology Consult Service	Attending Physician	1 month/yr	Fellows, residents, and medical students	WUSTL
1998-2007	Endocrinology and Metabolism Course	Instructor	~4 hr/yr	Medical Students	WUSTL
2001-2003	Molecular Cell Biology	Instructor for article review	~10 hr/yr	Graduate students	WUSTL
2002-2005	Pathobiology of Human Disease States-Markey Pathway	Co-Organizer (with Alan Permutt) and Lecturer	6 hr/yr	Graduate students in Markey Pathway	WUSTL
2005	The Adipocyte and Insulin Resistance	Lecturer	1 hr	Immunology graduate students	WUSTL
2006-2007	Advanced Cell Biology: Signal Transduction in Human Disease	Lecturer	Two 2-hr sessions on insulin resistance	Graduate students	WUSTL

at University of Texas Health Science Center at Houston (2007-2012)					
2007-2012	Endocrinology Consult Service	Attending Physician	2-4 weeks	Fellows, residents and medical students	UT Health
2008	“How Our Cells Get Fat”	Lecturer	1 hr	Medical students, residents, and fellows	UT Health
2009	“How to Choose a Research Project”	Lecturer	1 hr	Medical students, residents, and fellows	UT Health
2009-2011	Principles in Pathology, “Diabetes and Obesity.”	Lecturer	1 hr	Graduate students	UT Health
2010	“Obesity and Insulin Resistance”	Lecturer	1 hr	Medical students, residents, and fellows	UT Health
2010	“Obesity and Insulin Resistance: the Physiology and	Lecturer (virtual)	2 hr	Graduate students	UT School of Public Health

	Pathophysiology of Energy Balance”				
2010	“The Diabesity Epidemic”	Lecturer	1 hr	Summer research students	UT Health
2010	“Diabesity”	Lecturer	1 hr	Medical students and residents	UT Health
at UT Southwestern Medical Center (2012-present)					
2012-present	Internal Medicine Wards (Parkland, rarely CUH)	Attending Physician	0-2 weeks per yr	Residents and medical students	UTSW
2012-present	Endocrinology Consult Services	Attending Physician	1-2 weeks per year	Fellows, residents, and medical students	UTSW
2013-2015	“Antidiabetes Drugs”	Lecturer	1 hr	Medical students	UTSW
2013-2016	“Diabetes I”	Lecturer	1 hr	Medical students	UTSW
2016-2020	“Type 2 Diabetes and its Treatment” (EER)	Lecturer	1.5 hr	Medical students	UTSW
2018	“Regulation of Glucose Homeostasis”	Lecturer	1 hr	Graduate students— Human Biology and Disease	UTSW
2022	“Pathogenesis of Type 2 Diabetes”	Lecturer	1 hr	Graduate students in 3MD	UTSW
<u>Instructor in Continuing Medical Education (CME), Faculty Development, National Educational Symposia</u>					
2003	CME Lecture, “Diabetes,” The Washington Manual Comprehensive Review of Internal Medicine and Board Review	Lecturer	1 hr	Residents, Faculty, and Community Physicians	WUSTL
2005	Lipids and Diabetes Symposium	Co-Organizer and Presenter	4 hr	Faculty, fellows, research scientists	Division of Endocrinology, WUSTL
2012	TexMed CME Symposium on Endocrinology, Dallas, TX	Co-Course Director and Introduction	4 hr	Physicians, fellows, residents, students	Texas Medical Association

2014	TexMed CME Symposium on Endocrinology, Fort Worth, TX,	Co-Course Director and Presenter “Is It Prime Time to Treat Obesity”	6 hr	Physicians, fellows, residents, students	Texas Medical Association
2013-2015, 2017-2019	Endocrinology Module, Annual CME Update in Internal Medicine	Moderator	~1.5 hr each year	Physicians, fellows, residents	UTSW

2. Curriculum Development

Date	Course Name or Curriculum Product	Role	Purpose	Primary Learner Audience	Organization or Institution
2002-2005	Pathobiology of Human Disease States-- Diabetes Mellitus Module Markey Pathway in Human Pathobiology	Co-Organizer (with Alan Permutt)	To provide graduate students in the Division of Biological Sciences with human disease context for their studies	Graduate students in Markey Pathway	WUSTL
2014-2018	Fellowship in Endocrinology	Program Director	Comprehensive redesign of the clinical curriculum	Endocrinology fellows	UTSW

3. Mentoring and Advising (includes research mentoring in my lab and on dissertation committees)

Date	Mentee Name	Mentee Level/ Program and Institution	Role	Mentee Outcomes, Current Position
at Washington University School of Medicine (1998-2007)				
1999	Elizabeth Millard	Graduate student	Rotation student	Ph.D., J.D., Assistant General Counsel-Bayer
1999-2002	Jeannie Chen, M.D.	Endocrine Fellow	Postdoc	Private practice
2001-2003	XiaoMei Song, Ph.D.	Postdoc	Research	
2001-2007	James Skinner	Ph.D. Thesis student	Graduate student	Ph.D. in 2007 “Flotillin-1 and Flotillin-2 Cooperate in Trafficking to Lysosomes”

2002	Marissa Schoenfish	Graduate student	Rotation student	
2002	Carlos Michael	Graduate student	Rotation student	
2002-2006	Nathan Wolins, Ph.D.	Postdoc	Research	Retired. Awarded R01 as independent faculty at WUSTL
at University of Texas Health Science Center at Houston (2007-2012)				
2007-2009	Nicole Ducharme, Ph.D.	Postdoc	Research	Univ. of Houston
2008	Michael Moore	Medical student	Summer research rotation	
2009-2012	Violeta Gallardo-Montejano, M.D.	Postdoc	Research	Instructor, UTSW
2011	Jacob Couturier	Graduate student	Rotation student	
At UT Southwestern				
2012-2015	Violeta Gallardo-Montejano, M.D.	Postdoc	Research	Instructor, UTSW
2012-2015	Chaofeng Yang, Ph.D.	Postdoc	Research	Instructor, UTSW
2012-2014	Kevin Williams, Ph.D.	Assistant Professor	Chair, Mentorship Committee	Promoted with Tenure, UTSW
2013	Laurent Gautron, Ph.D.	Assistant Professor	Member, Mentorship Committee	Assistant Professor, UTSW
2014-2015	Amy DeGueme, M.D.	Endocrine Fellow	Research	Private Practice
2018-2019	BinBin Ding, Ph.D.	Postdoc*	Research	Tongji Medical College, Wuhan, China

4. Learner Assessment Activities or Tool Development

Date	Course Name or Session Topic	Role	Number of Evaluation Hours	Primary Learner Audience	Organization or Institution
2012-present	Endocrine Fellowship Performance Evaluation Committee	2012-2014, 2019-present (member); 2014-2018 (Program Director)	4 hr/yr	Not applicable	UTSW

5. Educational Administration and Leadership

Date	Title	Responsibilities	Time (FTE or hours)	Organization and Program Scope	Outcomes
2014-2018	Program Director (UTSW)	Endocrinology and Metabolism Fellowship	~.2 FTE	8 fellows	All fellows graduated and passed ABIM board exam

At UT Southwestern (2012-present)	
2012	Co-organized TX Medical Association CME Symposium on Endocrinology, Dallas, TX
2014	Co-Course Director, TexMed 2014, CME Endocrinology Symposium, Fort Worth, TX, and CME Lecture, "Is It Prime Time to Treat Obesity"
2013-2015, 2017-2019	Moderator, Endocrinology Module, Annual CME Update in Internal Medicine, UT Southwestern Medical Center, Dallas, TX

Grant Review and Peer Review Activities

Year(s)	Name of Review Committee	Organization
2004	Ad hoc peer reviewer	National Science Foundation
02/2005, 06/2005, 10/2005	Ad hoc, NIH Endocrinology, Metabolism, Nutrition and Reproductive Sciences (Small Business) Study Section	NIH
06/2005, 02/2006, 06/2006, 10/2006, 02/2008, 02/2009, 06/2009, 02/2010	Ad hoc, NIH Cellular Aspects of Diabetes and Obesity (CADO) Study Section	NIH
2005	Ad hoc peer reviewer	Australian National Health and Medical Research Council
06/2007	Ad hoc mail reviewer, NIH Membrane Biology and Protein Processing (MBPP)	NIH
2009	Ad hoc peer reviewer	Washington University School of Medicine and University of Michigan Diabetes Research and Training Centers (DRTC) pilot and feasibility awards

2010	Ad hoc peer reviewer	University of Pennsylvania School of Medicine Diabetes and Endocrinology Research Center, pilot and feasibility awards
2010	Ad hoc peer reviewer	Wellcome Trust
2011	Ad hoc peer reviewer	Michael E. DeBakey Veterans Affairs Medical Center, Houston, TX
2011	Special Emphasis Panel, Role of Environmental Chemical Exposures in the Development of Obesity, Type 2 Diabetes, and Metabolic Syndrome	NIH
2012	Special Emphasis Panel, PPG reviewer	NIH
2013	Ad hoc peer reviewer	Boston Area Diabetes Endocrinology Research Center Pilot and Feasibility Grant
2014, 2015	External peer reviewer of pilot and feasibility awards	Washington University School of Medicine Diabetes Research and Training Centers (DRTC) and Nutrition Obesity Research Center (NORC) pilot and feasibility awards
2013-2018	External promotion/tenure referee	Albany Medical College, Albany, NY (2013) UT Health Science Center, Houston (2014, 2015, 2016) Vanderbilt University, Nashville, TN (2014) Washington University School of Medicine, St. Louis, MO (2016, 2018) Cambridge University Health Partners, Cambridge, England (2016) University of Pittsburg, Pittsburg, PA (2016) TX A&M University, College Station, TX (2017) University of South Carolina, Charleston, SC (2017) University of California, Berkeley (2018) Duke University, Durham, NC (2018) Oklahoma State University, Stillwater, OK (2019)
2015	UTSW internal tenure reviewer	2015 X2, 2019, 2023
2019	Ad hoc, NIH Integrative Physiology of Obesity and Diabetes (IPOD) Study Section	02/2019

2019	Ad hoc, NIH Molecular and Cellular Endocrinology (MCE) Study Section	06/2019
2020	Topics in Endocrinology and Metabolism Special Emphasis Panel, 2020/05 ZRG1 EMMR-V (02) M	04/01/2020
2020	Ad hoc, NIH Cellular Aspects of Diabetes and Obesity (CADO) Study Section	06/17-18/2020
2020	NIH, Special Emphasis Panel, 2021/01 ZRG1 EMNR-C (02) M	11/20/2020
2021	Ad hoc, NIH Basic Mechanisms of Diabetes and Metabolism (BMDM) Study Section	10/06-07/2021
2023	Ad hoc, NIH Basic Mechanisms of Diabetes and Metabolism (BMDM) Study Section	06/08-09/2023

Editorial Activities

Year(s)	Journal Name
<u>Ad Hoc Reviewer</u>	
Medical journals	Science, New England Journal of Medicine, Cell Metabolism, Nature Communications, eLife, Cell Reports, Diabetes, Journal of Clinical Investigation, Proceedings of the National Academy of Sciences, Journal of Biological Chemistry, Molecular Cell Biology, Obesity, American Journal of Physiology-Endocrinology and Metabolism, Public Library of Science (PLOS), Neurotoxicity Research, Journal of Lipid Research, AIDS Research and Human Retroviruses, Biochimica et Biophysica Acta-Molecular and Cell Biology of Lipids, Trends in Endocrinology and Metabolism, Expert Reviews in Molecular Medicine, Journal of Cellular and Molecular Medicine, PLoS ONE, Journal of Endocrinology, Molecular Endocrinology, Annals of the New York Academy of Sciences, Journal of Physiology, Biochemie, FEBS Journal, Molecular Metabolism, FASEB Journal, Journal of Visualized Experiments (JoVE), Cardiovascular Research, Advances in Nutrition

Grant Support

<u>Current</u>	NIH 2 R01DK115875-05, (<i>Bickel, PI</i>)
	“Perilipin 5 in the Regulation of Adipose Tissue Function”
	07/01/2018—06/30/2027
	NIH 2 T32DK007307-42, (<i>Bickel, Associate Program Director; Scherer, PI and Program Director</i>)
	“Endocrine and Metabolism Training Grant”
	07/01/1978—06/30/2028

<u>Past</u>	<i>NIH 5 UH3 DK104655-05, (Bickel, Co-Investigator; Vazquez, PI)</i>
	<i>“Improving Chronic Disease Management with Pieces (ICD-Pieces)”</i>
	<i>09/01/2015-08/31/2021 (no cost extension)</i>
	<i>NIH 1 R13DK117646-01, (Bickel, PI)</i>
	<i>“FASEB SRC on Lipid Droplets on the Move from Health to Disease”</i>
	<i>04/01/2018—3/31/2019</i>
	<i>NIH 1 UH2 DK104655-01, (Bickel, Endocrinologist; Vazquez, PI)</i>
	<i>“Improving Chronic Disease Management with Pieces (ICD-Pieces)”</i>
	<i>08/22/14-08/31/15</i>
	<i>NIH RO1DK088131 (Kolonin, PI)</i>
	<i>“The Function of Prohibitin/Annexin 2 Interaction in White Adipose Tissue”</i>
	<i>Collaborator</i>
	<i>2010-2015 (Bickel 2010-2012)</i>
	<i>Cancer Prevention & Research Institute of TX</i>
	<i>“Cancer in the Era of Obesity”</i>
	<i>Principal Investigator, Multi-Investigator Planning Award</i>
	<i>2010-2011</i>
	<i>NIH/NIDDK RO1 DK068046</i>
	<i>“Trafficking of Triacylglycerol in Adipocytes”</i>
	<i>Principal Investigator</i>
	<i>2005-2008, No cost extension to 03/31/2010</i>
	<i>Center for Clinical and Translational Sciences, UT Health Science Center at Houston</i>
	<i>“Lipotoxicity and Obesity-Related Risk for Endometrial Cancer”</i>
	<i>Principal Investigator, Planning Grant</i>
	<i>2008-2010</i>
	<i>NIH/NIDDK RO1 DK059577</i>
	<i>“Flotillins and Insulin-stimulated Glucose Transport”</i>
	<i>Principal Investigator</i>
	<i>2002-2007, No cost extension to 01/31/2008</i>
	<i>Adipocyte Biology Core, NIH/NIDDK P30 DK56341</i>

	<i>Co-Director (PI:Klein), Clinical Nutrition Research Unit Core Center</i>
	<i>2006-2007</i>
	<i>Monsanto-Searle-Pharmacia/Washington University Biomedical Research Program</i>
	<i>“Flotillins, Insulin and Glucose Transport in Adipocytes”</i>
	<i>Principal Investigator</i>
	<i>2001-2003</i>
	<i>NIH/NIDDK P30 DK56341</i>
	<i>“In Vivo Analysis of the Adipocyte S3-12 Protein”</i>
	<i>Principal Investigator of Pilot and Feasibility Grant (PI: Klein), NIH /Clinical Nutrition Research Unit, Washington University School of Medicine</i>
	<i>2000-2002</i>
	<i>American Diabetes Association</i>
	<i>“Obesity and the Adipocyte S3-12 Protein”</i>
	<i>Principal Investigator</i>
	<i>1999-2002</i>
	<i>NIH/NIDDK P60 DK20579</i>
	<i>“S3-12 Function and Adipocyte Physiology”</i>
	<i>Principal Investigator of Pilot and Feasibility Grant (PI: Permutt), NIH/Diabetes Research and Training Center, Washington University School of Medicine</i>
	<i>1998-2000</i>
	<i>NIH/NIDDK K11 DK002219</i>
	<i>“Insulin Stimulation of Glucose Transporter Translocation”</i>
	<i>Principal Investigator of Physician-Scientist Award</i>
	<i>1993-1998</i>

Clinical Trials Activities

None

Invited Lectures

Year(s)	Title	Location/Host
<u>International</u>		
2014	Invited Speaker, “A lipid droplet protein regulates metabolic gene expression”	Tsinghua University, Beijing, China

2014	Invited Keynote Speaker, “Can we eliminate hyperglycemia in type 1 diabetes mellitus without causing hypoglycemia?”	9 th Xiangya International Diabetes Immunology Forum, Changsha, China
2017	Invited Speaker, “Perilipin 5 and the Regulation of Cellular and Systemic Fuel Metabolism”	Wuhan University Lipid Symposium, Wuhan, China
2022	Invited Speaker (<u>Virtual</u>), “Perilipin5 in Thermogenic Adipocytes and Metabolic Health”	Chinese Society for Metabolic Biology, Metabolic H Talk, No. 158
<u>National</u>		
1997	Invited Speaker, The Brain and the Adipocyte	NIDDK Workshop, Bethesda, MD
1997	Invited Speaker	Beers-Murphy Clinical Nutrition Center, University of Wisconsin, Madison, WI
2000	Invited Speaker	Department of Physiology, University of Iowa, Iowa City, IA
2002	Invited Speaker	American Diabetes Association 62 nd Scientific Sessions, San Francisco, CA
2003	Invited Speaker	Naomi Berrie Diabetes Center, College of Physicians and Surgeons, Columbia University, New York City, NY
2003	Invited Speaker and Session Chair, Rings Around the Lipid Droplet	American Diabetes Association 63 rd Scientific Sessions, New Orleans, LA
2004	Invited Speaker	North American Association for the Study of Obesity Annual Scientific Meeting, Las Vegas, NV
2005	Invited Speaker	Department of Cell Biology, Albert Einstein College of Medicine, Bronx, NY
2005	Session Chair, Fat Regulation	American Diabetes Association 65 th Scientific Sessions San Diego, CA
2006	Invited Speaker and Session Chair, Session on Adipose Tissue, Lipids, and Diabetes	Keystone Symposium on Adipogenesis, Obesity, and Inflammation, Vancouver, British Columbia, Canada
2006	Invited Speaker	Gordon Conference on Lipoprotein Metabolism
2006	Invited Speaker	Brown Foundation Institute of Molecular Medicine, University of Texas Health Science Center at Houston, Houston, TX
2006	Invited Speaker	Department of Medicine, University of Iowa

2006	Invited Speaker	Department of Pharmacology, University of Pittsburgh, Pittsburgh, PA
2007	Invited Speaker	FASEB Summer Research Conference on Lipid Droplets
2007	Invited Speaker and Session Chair	North American Association for the Study of Obesity (The Obesity Society) Annual Scientific Meeting, New Orleans, LA
2007	Invited Speaker	Pennington Biomedical Research Center, Baton Rouge, LA
2007	Invited Speaker	Division of Endocrinology, Saint Louis University School of Medicine, Saint Louis, MO
2007	Invited Speaker, The Central Role of the Adipocyte in Energy Balance	Medicine Grand Rounds, University of Texas Medical School at Houston, Houston, TX
2007	Invited Speaker	Section of Comparative Medicine, Yale University, New Haven, CT
2007	Invited Speaker	Endocrine Research, MD Anderson, Houston, TX
2008	Session Chair, Control of Lipolysis	American Diabetes Association 68 th Scientific Sessions, San Francisco, CA
2008	Session Chair, The Adipocyte: Cradle to Grave	The Obesity Society Annual Scientific Meeting, Phoenix, AZ
2008	Invited Speaker	Huffington Center on Aging, Baylor College of Medicine, Houston, TX
2008	Invited Speaker	Center for Cancer Immunology Research, MD Anderson Cancer Center, Houston, TX
2008	Invited Speaker	Metabolism Focus Group, University of Utah, Salt Lake City, UT
2009	Invited Speaker	TX Obesity Research Center Conference, University of Houston, Houston, TX
2009	Sessions Chair, Molecular Mechanisms of Obesity-Related Cancer Risk and Obesity from Yeasties to Beasties	The Obesity Society Annual Scientific Meeting, Washington, DC
2009	Invited Speaker	Endocrine Research Conference, University of Pittsburgh, Pittsburgh, PA

2009	Invited Speaker	Sarah W. Stedman Nutrition and Metabolism Center, Duke University Medical Center, Durham, NC
2009	Invited Speaker	Cardiovascular Basic Science Seminar, Baylor College of Medicine, Houston, TX
2009	Invited Speaker	Stowers Institute for Medical Research, Kansas City, MO
2010	Sessions Chair, Obesity and Altered Immune Function and Emerging Concepts on the Dynamics of Lipids in Energy Homeostasis	The Obesity Society Annual Scientific Meeting, San Diego, CA
2010	Invited Speaker, Dynamics of the Lipid Droplet Surface	The Obesity Society Annual Scientific Meeting, San Diego, CA
2010	Invited Speaker	Human Genetics Center Seminar, UT School of Public Health, Houston, TX
2010	Invited Speaker	UT Southwestern Obesity Alliance Seminar, UT Southwestern Medical School, Dallas, TX
2011	Invited Speaker	Clinical Nutrition Research Center Research Seminar, Baylor College of Medicine, Houston, TX
2011	Invited Speaker, “Regulation of Cellular Lipid Metabolism by OXPAT”	Oklahoma State University Biochemistry and Molecular Biology Graduate Student Association 8 th Annual Research Symposium 2011, Stillwater, OK
2012	Invited Speaker, “OXPAT Goes Nuclear”	Endocrine Grand Rounds, Baylor College of Medicine, Houston, TX
2012	Invited Speaker, “PAT Proteins and Gene Expression”	Skeletal Muscle Lipid Droplet Biology in Exercise and Disease, The Integrative Biology of Exercise VI, APS Intersociety Meeting, Westminster, CO
2013	Invited Speaker, “Transcriptional Regulation of Fat Metabolism by a Lipid Droplet Protein”	Endocrinology, Metabolism, and Molecular Medicine Grand Rounds, Northwestern University, Chicago, IL
2014	Invited Speaker, “A Novel Mechanism of Metabolic Gene Regulation by a Lipid Droplet Protein”	Diabetes Research and Training Center Seminar, Vanderbilt University, Nashville, TN
2014	Invited Speaker, “A Lipid Droplet Protein Doubles as a Transcriptional Coregulator of Mitochondrial Function”	Gordon Conference, Lipoprotein Metabolism, Waterville Valley, NH

2014	Invited Speaker, “Nuclear Functions of Perilipins”	FASEB SRC, Lipid Droplets: Metabolic Consequences of Neutral Lipid Storage, Saxtons River, VT
2016	Invited Speaker, “Perilipin 5, Up to BAT”	FASEB SRC, Lipid Droplets: Dynamic Organelles in Metabolism and Beyond, Snowmass, CO
2017	Invited Speaker, “Targeting Brown Adipose Tissue to Improve Metabolic Health”	Department of Nutrition and Food Science Seminar, TX A&M University, College Station, TX
2017	Invited Speaker, “Targeting Brown Adipose Tissue to Improve Metabolic Health”	Department of Nutritional Sciences and Toxicology, University of California, Berkeley, CA
2017	Invited Speaker, “Regulation of Brown Adipose Tissue Function by the Lipid Droplet Protein Perilipin 5”	Division of Endocrinology, Mayo Clinic, Rochester, MN
2017	Invited Speaker, “Metabolism in the Balance: the Roles of Perilipin 5”	Workshop on the Role of Lipid Droplets in Obesity and Metabolic Syndrome Related Cardiovascular Diseases, NHLBI/NIH, Bethesda, MD
2020	Invited Speaker, “An Old Trick for a New Dog: the Biology of Cold Adaptation Applied to Diet-Induced Metabolic Dysfunction”	Molecular Medicine and the Center for Diabetes, Obesity and Metabolism, Wake Forest School of Medicine, Winston-Salem, NC
2020	Invited Speaker, “Deletion of Perilipin 5 in Brown Adipose Tissue Causes Mitochondrial Dysfunction and Subcutaneous White Adipose Tissue Compensation”	FASEB SRC, The Lipid Droplets Conference, Virtual Meeting
2021	Invited Speaker, “Brown Adipose Tissue Unleashed: a Potential Target for Obesity-Associated Diabetes” (Virtual)	UT Health, Center for Metabolic and Degenerative Diseases, Houston, TX
2022	Invited Speaker, “Exploring the Potential of Brown Adipose Tissue as a Therapeutic Target for Obesity and Diabetes” (Frank H. Tyler, MD Honorary Endowed Lectureship) (Virtual)	Internal Medicine Grand Rounds, University of Utah – Health Sciences, Salt Lake City, Utah
2022	Session Chair, “Optimizing Fat Burning - Non-Canonical Mechanisms of Adipose Thermogenesis”	ENDO 2022, Endocrine Society Annual Meeting, Atlanta, Georgia
2022	Invited Speaker, “Targeting Brown Adipose Tissue to Treat Obesity and Diabetes” (Virtual)	UT Health Science Center at San Antonio, Division of Endocrinology
2023	Invited Speaker, “Perilipin 5 in Brown Adipose Tissue Modulates Adaptive Thermogenesis and Systemic Fuel Metabolism” (Virtual)	Katz Family Division of Nephrology and Hypertension, Miller School of Medicine, University of Miami

<u>Regional/Local</u>		
2012	Speaker, “A Lipid Droplet Protein Doubles as a Transcriptional Co-Regulator of Mitochondrial Function”	Endocrine Grand Rounds, UT Southwestern Medical Center
2012	Speaker, “OXPAT Goes Nuclear”	Touchstone Diabetes Center, UT Southwestern Medical Center
2012	Speaker, “Lipid Droplet Biology Regulates Metabolic Gene Expression”	Internal Medicine Departmental Conference, UT Southwestern Medical Center
2013	Speaker, “A Lipid Droplet Protein Doubles as a Transcriptional Co-Regulator of Mitochondrial Function”	Mineral Metabolism Grand Rounds, UT Southwestern Medical Center
2013	Speaker, “Transcriptional Regulation of Fat Metabolism by a Lipid Droplet Protein”	UT Southwestern Obesity Alliance Seminar, UT Southwestern Medical School
2014	Speaker, “A Novel Mechanism of Metabolic Gene Regulation by a Lipid Droplet Protein”	UTSW Distinguished Lecture Series in Cardiovascular Biology, UT Southwestern Medical Center
2014	Speaker, “Cheating Death: Does the New Biology of Aging Show Us the Way”	Internal Medicine Grand Rounds, UT Southwestern Medical Center
2014	Speaker, “A Novel Mechanism of Metabolic Gene Regulation by a Lipid Droplet Protein”	Autophagy Works in Progress, UT Southwestern Medical Center
2016	Speaker, “Targeting Brown Fat to Improve Metabolic Health”	Obstetrics and Gynecology Grand Rounds, UT Southwestern Medical Center
2016	Speaker, “Targeting Brown Fat to Improve Metabolic Health”	Endocrinology Grand Rounds, UT Southwestern Medical Center
2017	Speaker, “Perilipin 5 and the Regulation of Cellular and Systemic Fuel Metabolism”	Internal Medicine Departmental Conference, UT Southwestern Medical Center
2017	Speaker, “Feeding the Fire: Perilipin 5, Brown Adipose Tissue Thermogenesis and Improvement of Obesity-Related Glucose Intolerance”	Center for Mineral Metabolism and Clinical Research, UT Southwestern Medical Center
2018	Speaker, “Perilipin 5: a Hot Protein for a Cold World”	Touchstone Diabetes Center, UT Southwestern Medical Center
2018	Speaker, “Perilipin 5, a Lipid Droplet Protein that Moonlights in the Nucleus to Promote Mitochondrial Function”	Cell Biology of Disease Seminar, Department of Cell Biology, UT Southwestern Medical Center
2018	Speaker, “Perilipin 5: a Hot Protein for a Cold World”	UTSW Distinguished Lecture Series in Cardiovascular Biology, UT Southwestern Medical Center
2018	Invited Speaker, “Perilipin 5 Function in Brown Adipose Tissue”	Molecular Genetics, UT Southwestern Medical Center

2020	Invited Speaker, “Deletion of Perilipin 5 in Brown Adipose Tissue Causes Mitochondrial Dysfunction and Subcutaneous White Adipose Tissue Compensation”	Department Research Conference, Department of Internal Medicine, UT Southwestern Medical Center
------	--	---

Technological and Other Scientific Innovations

My lab was the first to describe S3-12/Perilipin 4 as an exchangeable lipid droplet protein and was one of the three labs to report independently the identification, cloning and characterization of Perilipin 5. In 2016 my lab reported our unique discovery that Perilipin 5 undergoes catecholamine/PKA-dependent enrichment in the nucleus to drive PGC-1 α /SIRT1-mediated gene programs and thereby to increase mitochondrial biogenesis and oxidative capacity. I have since reported that Perilipin 5 in mice is required for normal mitochondrial oxidative function in brown adipose tissue and that its gain-of-function in brown adipose tissue is sufficient to promote resistance to high-fat diet induced glucose intolerance and hepatic steatosis. This work has pointed to the likely existence of brown adipose secreted factors that promote healthy white adipose accommodation to overnutrition.

Bibliography

Peer-Reviewed Publications

Original Research Articles

1.	Bickel PE and Freeman MW. Rabbit aortic smooth muscle cells express inducible macrophage scavenger receptor messenger RNA that is absent in endothelial cells. <i>J. Clin. Invest.</i> 1992. 90: 1450-1457.
2.	Bickel PE, Scherer PE, Schnitzer JE, Oh P, Lisanti MP, and Lodish HF. Flotillin and epidermal surface antigen define a new family of caveolae-associated integral membrane proteins. <i>J. Biol. Chem.</i> 1997. 272: 13793-13802.
3.	Scherer PE, Bickel PE, Kotler M, and Lodish HF. Subtractive Antibody Screening—A new method to clone cell-specific secreted and surface proteins. <i>Nature Biotech.</i> 1998. 16(6): 581-586.
4.	Lee S-J, Liyanage U, Bickel PE, Lansbury PT, and Kosik KS. A detergent-insoluble membrane compartment contains A β in vivo. <i>Nature Med.</i> 1998. 4(6): 730-734.
5.	Chatterton JE, Hirsch D, Schwartz JJ, Bickel PE, Rosenberg RD, Lodish HF, and M Krieger. Expression cloning of <i>LDLB</i> , a gene essential for normal Golgi function and assembly of a novel protein complex. <i>Proc. Natl. Acad. Sci. U.S.A.</i> 1999. 96(3): 915-920.
6.	Baumann CA, Ribon V, Kanzaki M, Thurmond DC, Mora S, Shigematsu S, Bickel PE, Pessin JE, and Saltiel AR. CAP defines a second signaling pathway required for insulin-stimulated glucose transport. <i>Nature.</i> 2000. 470:202-207.
7.	Kratchmarova I, Kalume DE, Blagoev B, Scherer PE, Podtelejnikov AV, Molina H, Bickel PE, Andersen JS, Fernandez MM, Bunkenborg J, Roepstorff P, Kristiansen K, Lodish HF, Mann M, and Pandey A. A proteomic approach for identification of secreted proteins during the differentiation of 3T3-L1 preadipocytes to adipocytes. <i>Molecular and Cellular Proteomics.</i> 2002. 1:213-222.
8.	Fivaz M, Vilbois F, Thurnheer S, Pasquali C, Abrami L, Bickel PE, Parton RG, and van der Goot FG. Differential sorting and fate of endocytosed GPI-anchored proteins. <i>EMBO J.</i> 2002. 21:3989-4000.

9.	Slaughter N, Laux I, Tu X, Whitelegge J, Zhu X, Effros R, Bickel P, and Nel A. The flotillins are integral membrane proteins in lipid rafts that contain TCR-associated signaling components: Implications for T-cell activation. <i>Clinical Immunology</i> . 2003. 108:138-151.
10.	Wolins NE, Skinner JR, Schoenfish MJ, Tzekov A, Bensch KG, and Bickel PE. Adipocyte protein S3-12 coats nascent lipid droplets. <i>J. Biol. Chem.</i> 2003. 278: 37713-37721.
11.	Su X, Han X, Yang J, Mancuso DJ, Chen J, Bickel PE, Gross RW. Sequential ordered fatty acid alpha oxidation and delta9 desaturation are major determinants of lipid storage and utilization in differentiating adipocytes. <i>Biochemistry</i> . 2004. 43(17):5033-5044.
12.	Su X, Mancuso DJ, Bickel PE, Jenkins CM, Gross RW. Small interfering RNA knockdown of calcium-independent phospholipases A2beta or gamma inhibits the hormone-induced differentiation of 3T3-L1 preadipocytes. <i>J. Biol. Chem.</i> 2004. 279:21740-21708.
13.	Tu X, Huang A, Bae D, Slaughter N, Whitelegge J, Crother T, Bickel PE, and Nel A. Proteome analysis of lipid rafts in Jurkat cells characterizes a raft subset that is involved in NF-kappaB activation. <i>J. Proteome Res.</i> 2004. 3:445-454.
14.	Wolins NE, Quaynor BK, Skinner JR, Schoenfish MJ, Tzekov A, Bickel PE. S3-12, adipophilin, and TIP47 package lipid in adipocytes. <i>J. Biol. Chem.</i> 2005. 280(19):19146-19155.
15.	Wolins NE, Quaynor BK, Skinner JR, Tzekov A, Park C, Choi K, and Bickel PE. OP9 mouse stromal cells rapidly differentiate into adipocytes: characterization of a useful new model of adipogenesis. <i>J. Lipid Res.</i> 2006. 47: 450-460.
16.	Gale SE, Frolov A, Han X, Bickel PE, Cao L, Bowcock A, Schaffer JE, and Ory DS. A regulatory role for 1-acylglycerol-3-phosphate-O-acyltransferase 2 in adipocyte differentiation. <i>J. Biol. Chem.</i> 2006. 281(16): 11082-11089.
17.	Reizes O, Goldberger O, Smith AC, Xu Z, Bernfield M, and Bickel PE. Insulin promotes shedding of syndecan ectodomains from 3T3-L1 adipocytes: a proposed mechanism for stabilization of extracellular lipoprotein lipase. <i>Biochemistry</i> . 2006. 45(18): 5703-5711.
18.	Wolins NE, Quaynor BK, Skinner JR, Tzekov A, Croce MA, Gropler MC, Varma V, Yao-Borengasser A, Rasouli N, Kern PA, Finck BN, and Bickel PE. OXPAT/PAT-1 is a PPAR-induced lipid droplet protein that promotes fatty acid utilization. <i>Diabetes</i> . 2006. 55:3418-3428.
19.	Amati F, Dubé JJ, Alvarez Carnero E, Edreira ME, Chomentowski P, Coen PM, Switzer GE, Bickel PE, Stefanovic-Racic M, Toledo FGS, and Goodpaster BH. Skeletal muscle triglycerides, diacylglycerols and ceramides in insulin resistance: Another paradox in endurance-trained athletes? <i>Diabetes</i> . 2011. 60(10):2588-2597.
20.	Bosma M, Minnaard R, Sparks LM, Schaart G, Losen M, de Baets MH, Duimel H, Kersten S, Bickel PE, Schrauwen P, and Hesselink MKC. The lipid droplet coat protein perilipin 5 also localizes to muscle mitochondria. <i>Histochem Cell Biol.</i> 2012. 137(2):205-216.
21.	Qu HQ, Li Q, Grove ML, Lu Y, Pan JJ, Rentfro AR, Bickel PE, Fallon MB, Hanis CL, Boerwinkle E, McCormick JB, Fisher-Hoch SP. Population-based risk factors for elevated alanine aminotransferase in a South TX Mexican-American population. <i>Arch Med Res.</i> 2012. 43(6):482-488. PMID: 22959976.
22.	Kusminski CM, Gallardo-Montejano VI, Wang ZV, Hegde V, Bickel PE, Dhurandhar NV, Scherer PE. E4orf1 induction in adipose tissue promotes insulin-independent signaling in the adipocyte. <i>Mol Metab.</i> 2015 Jul 26;4(10):653-64. doi: 10.1016/j.molmet.2015.07.004. eCollection 2015 Oct. PubMed PMID: 26500839; PubMed Central PMCID: PMC4588421.
23.	Gallardo-Montejano VI, Saxena G, Kusminski CM, Yang C, McAfee JL, Hahner L, Hoch K, Dubinsky W, Narkar VA, Bickel PE. Nuclear Perilipin 5 integrates lipid droplet lipolysis with

	PGC-1 α /SIRT1-dependent transcriptional regulation of mitochondrial function. <i>Nat Commun.</i> 2016 Aug 24;7:12723. doi: 10.1038/ncomms12723. PubMed PMID: 27554864.
24.	Gallardo-Montejano VI, Yang C, Hahner L, McAfee JL, Johnson JA, Holland WL, Fernandez-Valdivia R, Bickel PE. Perilipin 5 links mitochondrial uncoupled respiration in brown fat to healthy white fat remodeling and systemic glucose tolerance. <i>Nat Commun.</i> 2021 Jun 3;12(1):3320. doi: 10.1038/s41467-021-23601-2. PMID: 34083525; PMCID: PMC8175597.
25.	Fu Y, Ding B, Liu X, Zhao S, Chen F, Li L, Zhu Y, Zhao J, Yuan Z, Shen Y, Yang C, Shao M, Chen S, Bickel PE, Zhong Q. Qa-SNARE syntaxin 18 mediates lipid droplet fusion with SNAP23 and SEC22B. <i>Cell Discov.</i> 2023 Nov 21;9(1):115. doi: 10.1038/s41421-023-00613-4. PMID: 37989733; PMCID: PMC10663520.
26.	Vazquez MA, Oliver G, Amarasingham R, Sundaram V, Chan K, Ahn C, Zhang S, Bickel P, Parikh SM, Wells B, Miller RT, Hedayati S, Hastings J, Jaiyeola A, Nguyen TM, Moran B, Santini N, Barker B, Velasco F, Myers L, Meehan TP, Fox C, Toto RD; ICD-Pieces Study Group. Pragmatic Trial of Hospitalization Rate in Chronic Kidney Disease. <i>N Engl J Med.</i> 2024 Apr 4;390(13):1196-1206. doi: 10.1056/NEJMoa2311708. PMID: 38598574.

Reviews, Book Chapters, Monographs and Editorials

1.	Bickel PE, Lodish HF, and Scherer PE. Use and applications of subtractive antibody screening. <i>Biotechnology and Genetic Engineering Reviews.</i> 2000. 17:413-425.
2.	Bickel PE. Lipid rafts and insulin signaling. <i>Am. J. Physiol.-Endocrinol. Metab.</i> 2002. 282:E1-E10.
3.	Bickel PE. Metabolic fuel selection: the importance of being flexible. <i>J. Clin. Invest.</i> 2004. 114(11):1547-1549.
4.	Wolins N, Brasaemle DL, and Bickel PE. A proposed model of fat packaging by exchangeable lipid droplet proteins. <i>FEBS Letters.</i> 2006. 580(23):5484-5491.
5.	Ducharme N and Bickel PE. Lipid droplets in lipogenesis and lipolysis. <i>Endocrinology.</i> 2008. 149:942-949.
6.	Paul A, Chan L, and Bickel PE, The PAT family of lipid droplet proteins in heart and vascular cells. <i>Current Hypertension Reports.</i> 2008. 10(6):461-466.
7.	Bickel PE, Tansey JT, and Welte MA. PAT proteins, an ancient family of lipid droplet proteins that regulate cellular lipid stores. <i>Biochimica et Biophysica Acta—Molecular and Cell Biology of Lipids.</i> 2009. 1791:419-440.
8.	Kusminski CM, Bickel PE, Scherer PE. Targeting adipose tissue in the treatment of obesity-associated diabetes. <i>Nat Rev Drug Discov.</i> 2016 Sep;15(9):639-60. doi: 10.1038/nrd.2016.75. Epub 2016 Jun 3. PubMed PMID: 27256476.
9.	Goldberg IJ, Reue K, Abumrad NA, Bickel PE, Cohen S, Fisher EA, Galis ZS, Granneman JG, Lewandowski ED, Murphy R, Olive M, Schaffer JE, Schwartz-Longacre L, Shulman GI, Walther TC, Chen J. Deciphering the Role of Lipid Droplets in Cardiovascular Disease: A Report From the 2017 National Heart, Lung, and Blood Institute Workshop. <i>Circulation.</i> 2018 Jul 17;138(3):305-315. doi: 10.1161/CIRCULATIONAHA.118.033704. Review. PubMed PMID: 30012703; PubMed Central PMCID: PMC6056021.
10.	Bickel PE. Exercise. In LF Meneghini (Ed.). <i>Medical Management of Type 2 Diabetes.</i> Arlington, VA. American Diabetes Association. 2020.

Books/Textbooks

1.	Henderson KE, Baranski TJ, and Bickel PE, eds. Endocrinology Subspecialty Consult. The Washington Manual™ Subspecialty Consult Series. Philadelphia: Lippincott, 2004.
2.	Henderson KE, Baranski TJ, and Bickel PE, Clutter WE, McGill JB, eds. Endocrinology Subspecialty Consult. 2 nd Edition. The Washington Manual™ Subspecialty Consult Series. Philadelphia: Lippincott, 2008.

Case Reports

None

Letters to the Editor

None

Meeting Summaries or Proceedings

None

Clinical Practice Guidelines

None

Non-peer reviewed scientific or medical publications/materials in print or other media

None