

CURRICULUM VITAE

Alyssa H. Hasty, PhD

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List of complete references: [Here](#)

Google Scholar Site: [Here](#)

Google Scholar h-index: 51

Google Scholar i10-index: 86

Google Scholar All Citations: 9469

Web of Science h-index 43

Education and Training:

2000-2001	Post-doctoral work at Vanderbilt University Mentor: Dr. Mac Rae F. Linton, "The recycling of apoE in macrophages: influence of HDL and apolipoprotein AI"
1998-2000	Post-doctoral work at Tokyo University Mentor: Dr. Hitoshi Shimano "Impact of obesity on lipoprotein metabolism and atherogenesis"
1994-1998	Graduate Work at Vanderbilt University, Nashville, Tennessee (PhD, Pathology) Mentor: Dr. Sergio Fazio "Low levels of macrophage-derived apoE protect against atherosclerotic lesion formation"
1990-1994	Tennessee Technological University, Cookeville, Tennessee (BS, Cell Biology)
1989-1990	Calvin College, Grand Rapids, Michigan

Academic Appointments:

2015-present	Professor of Molecular Physiology & Biophysics and Medicine, VU
2014-present	Research Health Scientist, VA at Tennessee Valley Health System
2009-present	Associate Professor of Molecular Physiology & Biophysics and Medicine, VUMC
2003-2009	Assistant Professor of Molecular Physiology & Biophysics and Medicine, VUMC

2001-2003 Research Assistant Professor of Medicine, Division of Cardiovascular Medicine, VUMC

Leadership Positions at Vanderbilt:

2017-present Associate Dean of Faculty Development, VU Basic Sciences
2016-present Faculty Head of Murray House – Martha Ingram Commons First Year Student Dorm
2016-present Co-Director, Junior Faculty Leadership Development Program, Vanderbilt SOM
2012-present Director, Academy of Investigators Career Development Program for DDRC
2012-2013 Chair, Women on Track Steering Committee
2011-present Co-Leader of In Vivo Metabolism Regulation and Obesity Research Area, Vanderbilt Diabetes Research Center
2010-present Program Director, Gastrointestinal Physiology, Obesity, and Metabolism, Vanderbilt Digestive Diseases Research Center (DDRRC)
2010-2016 Director of Graduate Studies, MP&B graduate program

Honors and Awards:

2017-present Cornelius Vanderbilt Endowed Chair
2014 Student Invited Plenary Lecture Speaker for Rosalind Franklin University's All School Research Consortium
2012-2017 American Heart Association Established Investigator Award
2010 Vanderbilt MPB Department Graduate Education Service Award
2010 Featured in American Diabetes Association *Forefront* magazine
2008 The Obesity Society's Annual Scientific Meeting, abstract selected for presentation during Plenary Oral Abstract Presentations Session (only 7 of 1000 submitted abstracts chosen)
2008 *NIH Workshop on the Establishment, Maintenance, and Turnover of Fat Depots* travel award
2007-2011 American Diabetes Association Career Development Award
2006-2008 Vanderbilt Digestive Diseases Research Center Young Investigator Award
2004-2006 American Diabetes Association Junior Faculty Award
2003-2006 American Heart Association Scientist Development Grant
2002-2004 Vanderbilt Clinical Nutrition Research Unit Young Investigator Award

Professional and Leadership Development and Training

2018 Participant, The Business of VU
2017-2018 Participant, Vanderbilt Academic Leadership Program
2016-2017 Participant, 22nd class of the Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM) Program for Women
2010 Participant, AAMC Women in Medicine Poster Session
2007 Participant, AAMC Women in Medicine Poster Session
2005 Participant, National Early Career Women Faculty Professional Development Seminar – hosted by Association of American Medical Colleges (AAMC)
2004-2005 Participant, Leadership Development for Junior Faculty Program - VUMC

Professional Memberships

2014-present Member, American Association of Immunologists
2009-2011 Member, Tennessee Physiological Society
2008-present Fellow, American Heart Association
2008-2011 Member, The Obesity Society
2008-2011 Member, Society for Leukocyte Biology
2007-present Member, American Physiological Society
2006-present Member, Digestive Diseases Research Center, VUMC
2003-present Member, American Diabetes Association
2002-present Member, American Heart Association, Atherosclerosis Thrombosis and Vascular

2002-present Biology Council
Member, Vanderbilt Diabetes Center

Funding:

Current

Source of Funding	Grant #	Title of Project	Role	Dates
VA	I01 BX002195-05	Immunologic memory to metabolic cycling	PI	2018-2022
American Diabetes Association	1-17-IBS-140	Novel regulation of insulin receptor by the innate immune system	PI	2017-2020
American Heart Association Strategically Focused Research Network on Obesity	PI: Niswender	Toward Precision Medicine: Promise of the Glucagon-Like Peptide Receptor	co-PI and Director of Training Program	2017-2021
NIH	R01DK112262 (Koethe)	The role of adipose-resident T cells in HIV-associated glucose intolerance	Collaborator	2017-2022

Trainees in Laboratory:

Post-doctoral Fellows

2018-present	Nathan Winn	Funded on Molecular Endocrinology Training Program Grant
2018-present	Heather Caslin	Funded on Molecular Endocrinology Training Program Grant
2017-present	Magdalene Ameka	
2017-2018	Reid Bolus	Post-doctoral Fellow at UCSF
2009-2013	Arion Kennedy	Research Assistant Professor funded by K01
2009-2013	Jeb Orr	Currently Captain in military, Research Physiologist
2008-2010	Mike Puglisi	Currently Administrative Manager at Brooklyn Hospital Center
2008	Nicholas Khoo (visiting post-doc from Dr. Freeman's laboratory at U. Pittsburgh)	
2004-2006	Saras Viswanathan	Currently Assistant Prof. at University of Nebraska

Doctoral Degree Graduate Students

2019-present	Julia Pinette	Funded by Hypertension Training grant
2019-present	Katrina Volk	Funded by METP training grant
2017-present	Matthew Cottam	Funded by METP training grant
2014-2019	Kristin Peterson	Funded by Pharmacology training grant 2014-2016
2014-2015	Takuya Kikuchi	Visiting student from Tsukuba University, Japan
2013-2018	Merla Hubler	Funded by individual NRSA
2012-2017	Reid Bolus	Current position: Post-doctoral Fellow at UCSF
2010-2015	Andrea Hill	Current position: Postdoctoral Fellow at Diehl lab at Baylor
2009-2013	Emily Anderson	Postdoctoral fellow in Mirmira Lab at IUAUP
2008-2012	Dario Gutierrez	Director, Immuno Biology Lead, Merck Research Laboratories
2005-2009	Bonnie Surmi	High school teacher at Cedar Tree Classical Christian School
2004-2008	Kim Coenen	Currently stay-at-home mother

2004-2007 Alli Antar Currently Assistant Professor at Baylor

Master's Degree Graduate Students

2009-2012 Corey Webb

2003-2006 Marnie Gruen Currently lab manager

2003-2006 Michelle Plummer Currently stay-at-home mother

Invited Speaking Engagements

2019

11/06/19 The Obesity Society Annual Meeting at ObesityWeek 2019, Las Vegas, NV

07/09/19 Eosinophil Society Annual Scientific Session, Session Organizer and Speaker,
Portland Oregon

05/28/19 Immunometabolism Conference, Rhodes, Greece

03/14/19 University of Alabama Diabetes Seminar Series Plenary Lecture

2018

11/28/18 Rutgers Nutritional Sciences Seminar Series

11/02/18 Vanderbilt University Diabetes Day Plenary Lecture

11/01/18 NIDDK Network of Minority Health Research Investigators West Regional, Keynote
lecture

05/23/18 NIH symposium on "Obesity and Fat Metabolism in HIV-infected Individuals" sponsored
by NIAID, NIDDK, NIH Office of AIDS Research (OAR) and the National Institutes of
Health Office of Research on Women's Health

05/14/18 Mexican Society of Immunology and the Latin American Association of Immunology joint
meeting, Can-Cun Mexico

04/09/18 29th Annual Vascular Biology and Hypertension Symposium, University of Alabama

03/18/18 Endocrine Society's 100th Annual Meeting, Chicago Illinois

2017

10/31/17 University of Louisville Diabetes and Obesity Center Seminar Series

09/17/17 American Heart Association Research Leaders Academy, Denver, Colorado

08/15/17 ImmunoMetabolism and Chronic Disease Conference, Fiji

05/13/17 American Association of Immunologists, Washington D.C.

01/22/17 Keystone Conference, Diabetes/Obesity and Adipose Tissue Biology, Keystone

2016

11/11/16 University of Virginia Pharmacology Seminar Series

10/12/16 University of Michigan Immunology Department Seminar Series

10/11/16 University of Michigan ADVANCE Program for Women Faculty Development

08/02/16 FASEB "Immunological Aspects of Obesity" conference at Big Sky, Montana

04/02/16 EB Conference, American Society for Nutrition symposium, "Obesity, Iron Metabolism
06/23/16 Federation of Clinical Immunology Societies (FOCIS) annual meeting,
Boston

06/09/16 Iconoclasm Meeting (pre-ADA meeting sponsored by Novo Nordisk)
Dysfunction and Chronic Disease"

03/24/16 Georgia Regents University Physiology Seminar Series

03/03/16 UT Southwestern, Dallas Texas – Obesity and Diabetes Seminar Series

02/08/16 University of Iowa Pharmacology Department, Iowa City, IA

2015

12/07/15 Wake Forest Diabetes Center

09/27/15 Second Border Biomedical Research Center Symposium on Health Disparities: From Molecules to Disease, El Paso, TX
09/17/15 Southeast Lipid Research Conference. Stone Mountain, GA
08/03/15 Kern Lipid Conference, Vail Colorado
04/02/15 Experimental Biology Meeting, Boston, Massachusetts

2014

11/20/14 Washington University Diabetes Center
11/06/14 Discovery of Medical Sciences, Metabolism Session – Keynote Address. Tsukuba University, Tsukuba, Japan
08/10/14 FASEB “Nutrient Sensing and Metabolic Signaling” conference, Big Sky, Montana
08/02/14 Physiology without Borders, 1st PanAmerican Congress of Physiological Sciences, Iguassu Falls, Brazil
04/17/14 Harvard, Joslin Diabetes Center Research Seminar Series

2013

11/07/13 Macrophages and Disease Conference, Aarhus University, Aarhus, Denmark
11/04/13 German Cancer Research Institute (DKFZ), Heidelberg, Germany
10/17/13 University of Missouri – Nutrition and Exercise Physiology Seminar Series
09/30/13 Annual Obesity and Metabolism Conference, University of Vermont
06/23/13 American Diabetes Association, Chicago, Illinois
05/03/13 American Association of Immunologist, Annual Conference, Honolulu, Hawaii
03/19/13 Rosalind Franklin University – All school consortium Keynote Address speaker

2012

11/07/12 University of California, San Francisco – Endocrinology Grand Rounds
05/14/12 Barnstable Brown Diabetes and Obesity Center Research Day at the University of Kentucky, Lexington, KY.

2011

09/20/11 Aegean Conferences 1st International Conference on ImmunoMetabolism: Molecular and Cellular Immunology of Metabolism. Crete, Greece.
09/01/11 University of Iowa - Molecular & Cellular Biology Program (Student invited speaker)
06/19/11 Gordon Research Conference of Phagocytes. Davidson College, North Carolina.
04/21/11 University of Cincinnati
04/11/11 American Society for Investigative Pathology (ASIP) section of Experimental Biology Meeting - Washington DC.

2010

10/09/10 The Obesity Society’s Annual Scientific Meeting, San Diego, CA.
04/21/10 Columbia University - Preventive Medicine, Seminars in Lipoprotein Metabolism, Atherosclerosis, and Nutrition

2009

10/16/09 Hospital for Sick Kids - Cell Biology Program Conference. Toronto, Canada.
06/16/09 Virginia Commonwealth University. Cardiovascular Medicine Research Conference.
04/31/09 Arteriosclerosis, Thrombosis, and Vascular Biology Conference. Washington DC.
02/02/09 Virginia Polytechnic Institute and State University. Department of Health and Human Nutrition, Foods and Exercise seminar series

2008

12/04/08 University of Maryland. Clinical Nutrition Research Unit Seminar

- 11/23/08 Panel discussion member for American Diabetes Association volunteer meeting. Tampa, Florida.
- 11/07/08 Society for Leukocyte Biology Annual Conference - Denver, Colorado.
- 06/22/08 Gordon Research Conference – Lipids and Lipoprotein Metabolism. Waterville Valley, New Hampshire.
- 03/14/08 Boshell Diabetes and Metabolic Diseases Research Day - Auburn University. Plenary Lecture Speaker.

2007

- 12/10/07 Case Western Reserve University - Diabetes Research Seminar
- 11/19/07 Wyeth Pharmaceuticals
- 11/15/07 University of Washington - Endocrinology Research Conference
- 10/13/06 University of Arizona - Diabetes Seminar Series
- 10/11/07 University of Michigan - Division of Metabolism, Endocrinology, and Diabetes Seminar Series
- 04/17/07 Wayne State University - Nutrition and Food Sciences Seminar Series

2006

- 07/04/06 Gordon Research Conference - Atherosclerosis. Mt. Holyoke College.
- 05/17/06 University of Kentucky - GCNS Seminar Series

2005

- 10/05/02 Southeast Lipid Research Conference. Callaway Gardens, GA

2003

- 04/04/03 University of Kentucky - Cardiovascular Seminar Series

Scientific Production:

A. Peer-reviewed Original Journal Articles

2019

1. KR Peterson, DA Gutierrez, T Kikuchi, EK Anderson-Baucum, NC Winn, MM Shuey, WR Bolus, OP McGuinness, and AH Hasty. Impaired insulin signaling in the B10.D2-*Hc⁰ H2^d H2-T18^c*/oSnJ mouse model of complement factor 5 (C5) deficiency. 2019. In Revision.
2. AJ Kennedy, MC Pacheco, MK Washington, and AH Hasty. CD8+ T Cells regulate liver injury in obesity-related nonalcoholic fatty liver disease. 2019. In Revision.
3. HL Caslin and AH Hasty. Extrinsic and Intrinsic Immunometabolism Converge: Perspectives on Future Research and Therapeutic Development for Obesity. 2019. ***Current Obesity Reports***. EPub Ahead of Print.
4. LS May-Zhang, Z Chen, N Dosoky, PG Yancey, KL Boyd, AH Hasty, MF Linton, SS Davies. Administration of N-Acyl-Phosphatidylethanolamine expressing bacteria to low density lipoprotein receptor^{-/-} mice. Improves indices of cardiometabolic disease 2019. ***Scientific Reports***. 23:420.

2018

5. WR Bolus and AH Hasty. Obesity-induced reduction of adipose eosinophils is reversed with low-calorie dietary intervention. 2018. ***Physiological Reports***. 6:e13919. [PMC6250927](https://doi.org/10.1093/physiol/kty139).
6. WJ McDonnell, JR Koethe, SA Mallal, MA Pilkinton, A Kirabo, MK Ameka, MA Cottam, AH Hasty,

and AJ Kennedy. High CD8 T Cell Receptor Clonality and Altered CDR3 Properties are Associated with Elevated Isolevuglandins in Adipose Tissue During Diet-Induced Obesity. 2018. *Diabetes*. 67:2361-2376. [PMC6198339](#).

7. WR Bolus and [AH Hasty](#). Contributions of Innate Type 2 Inflammation to Adipose Function. 2018. Invited Review for *J. Lipid Research*. Epub Ahead of Print. PMID:29891508; DOI: [10.1194/jlr.R085993](#).
8. MJ Hubler, KM Erikson, AJ Kennedy, and [AH Hasty](#). MFe^{hi} adipose tissue macrophages compensate for tissue iron perturbations in mice. 2018. *Am J. Physiol. Cell Physiol*. 315:C319-C329. [PMC6171041](#).
 - * Selected as AJP-Cell Physiology featured paper in APS select collection for the month
 - ** Selected as AJP- Cell Physiology "Paper of the Year" for an outstanding paper published in AJP-Cell Physiology, on which a graduate student or early-stage (first 5 years) post-doctoral researcher has contributed as the single first author.
9. MA Cottam, HA Itani, AA Beasley, and [AH Hasty](#). Links between Immunologic Memory and Metabolic Cycling. 2018. Invited review for *Journal of Immunology*. 200:3681-3689. PMID: [PMC5973550](#).
10. KR Peterson, MA Cottam, and [AH Hasty](#). Macrophage-targeted therapeutics for metabolic disease. 2018. Invited review for *Trends in Pharmacological Sciences*. 39:536-546. PMID:[PMC5962426](#)
11. JR Koethe, W McDonnell, AJ Kennedy, CO Abana, M Pilkinton, I Setliff, L Barnett, CC Hagar, R Smith, SA Kalams, [AH Hasty](#), S Mallal. Adipose Tissue Shows Greater CD8+ T cell Activation and Receptor Clonality Compared to Blood in HIV-infected Persons. 2018. *Journal of Acquired Immune Deficiency Syndromes*. 77:e14-e21. [PMC5762435](#).

2017

12. WR Bolus, KR Peterson, MJ Hubler, AJ Kennedy, ML Gruen, [AH Hasty](#). Elevating adipose eosinophils in obese mice to physiologically normal levels does rescue metabolic impairments. 2017. *Mol. Metabolism*. 8:86-95. PMID:[PMC5985044](#).
13. KR Peterson, DK Flaherty, [AH Hasty](#). Obesity alters B cell and macrophage populations in brown adipose tissue. 2017. *Obesity*. 11:1881-1884. [PMC5679082](#).

2016

14. HH Ong, CD Webb, ML Gruen, [AH Hasty](#), JC Gore, EB Welch. 2016. Fat-water MRI of a diet-induced obesity mouse model at 15.2T. *J. Med. Imaging*. 3:26002-2 – 26002-7. [PMC4877437](#).
15. JS Orr, AJ Kennedy, AA Hill, EK Anderson-Baucum, M Hubler, [AH Hasty](#). CC-Chemokine receptor 7 (CCR7) deficiency alters adipose tissue leukocyte populations in mice. *Physiological Reports*. 2016. E12971. [PMC5037919](#).

2015

16. WR Bolus, DA Gutierrez, AJ Kennedy, EK Anderson, and [AH Hasty](#). CCR2 deficiency leads to eosinophilia, alternative macrophage activation, and TH2 polarization in adipose tissue. 2015. *J. Leuk. Biol*. 98:467-477. [PMC4763864](#). ** Feature under the Frontline Science Section as "Leading Edge Research" in the Table of Contents with a dedicated editorial. Also featured as the cover art.

17. KG Riley, MF Maulis, PL Kendall, [AH Hasty](#), WR Bolus, and M Gannon. Macrophages are essential for CTGF-mediated adult β -cell proliferation after injury. 2015. *Molecular Metabolism*. 4:584-591. [PMC4529497](#).
18. KS Wainright, NJ Fleming, JL Rowles, RJ Welly, TM Zidon, YM Park, TL Gaines, RJ Scroggins, EK Anderson-Baucum, [AH Hasty](#), VJ Vieira-Potter, J Padilla. Retention of sedentary obese visceral white adipose tissue phenotype with intermittent physical activity despite reduced adiposity. 2015. *Am J. Physiol. Regul. Integr. Comp. Physiol.* 309:R594-602. [PMC4591377](#).
19. AA Hill, EK Anderson-Baucum, AJ Kennedy, CD Webb, FE Yull, and [AH Hasty](#). 2015. Activation of NF- κ B drives the enhanced survival of adipose tissue macrophages in an obesogenic environment. *Molecular Metabolism*. 4:865-877. [PMC4588436](#).
20. MJ Hubler, KR Peterson, and [AH Hasty](#). Iron homeostasis: a new job for macrophages in adipose tissue? 2015. *Trends in Endocrinology*. 26:101-109. [PMC4315734](#).

2014

21. JS Orr, AJ Kennedy, EK Anderson-Baucum, CD Webb, SC Fordahl, KM Erikson, Y Zhang, A Etzerodt, SK Moestrup, and [AH Hasty](#). Obesity impairs adipose tissue macrophage and systemic iron handling. 2014. *Diabetes*. 63:421-432. PMID:PMC 3900546.
22. LB Buckman, EK Anderson-Bacuum, [AH Hasty](#), KLJ Ellacott. Regulation of S100B in white adipose tissue by obesity in mice. 2014. *Adipocyte*. 3:215-220. PMID: PMC4110099.
23. IA Reddy, DH Wasserman, JE Ayala, [AH. Hasty](#), NN Abumrad, and A Galli. Striatal Dopamine Homeostasis is Altered in Mice Following Roux-en-Y Gastric Bypass Surgery. 2014. *ACS Chemical Neuroscience*.5:943-951. PMID: PMC4324416.
24. AA Hill, WR Bolus, [AH Hasty](#). A Decade of Progress in Adipose Tissue Macrophage Biology. 2014. *Immunological Reviews*. 262:134-152. PMID:PMC4203421.

2013

25. L Kang, L Lantier, AJ Kennedy, JS Bonner, WH Mayes, DP Bracey, LH Bookbinder, [AH Hasty](#), CB Thompson, DH Wasserman. Hyaluronan accumulates with high fat feeding and contributes to insulin resistance. 2013. *Diabetes*. 62:1888-1896. PMID: PMC3661617.
26. JS Orr, AJ Kennedy, [AH Hasty](#). Isolation of adipose tissue immune cells. 2013. *J. of Visualized Experiments (JoVE)*. May 22;(75). PMID:PMC3718226.
27. EK Anderson, DA Gutierrez, A Kennedy, and [AH Hasty](#). Weight cycling increases T cell accumulation in adipose tissue and impairs systemic glucose tolerance. 2013. *Diabetes*. 62:3180-3188. PMID: PMC3749340.
28. LB Buckman, [AH Hasty](#), DK Flaherty, CT Buckman, MM Thompson, BK Matlock, K Weller, KLJ Ellacott. Obesity induced by a high-fat diet is associated with increased immune cell entry into the central nervous system. 2013. *Brain, Behavior and Immunity*. 35:33-42. PMID:PMC3858467.
29. A Kennedy, CD Webb, AA Hill, ML Gruen, LG Jackson, and [AH Hasty](#). Loss of CCR5 results in glucose intolerance in diet-induced obese mice. 2013. *Am. J. Physiol. Endocrinol. & Metab.* 305:E897-E906. PMID:PMC3798705.

2012

30. DA Gutierrez and AH Hasty. Hematopoietic Leptin Receptor Deficiency Does Not Affect Macrophage Recruitment to Adipose Tissue. 2012. *J. of Endo.* 212:343-351. PMID: PMC3381898.
31. A Kennedy, ML Gruen, DA Gutierrez, BK Surmi, CD Webb, and AH Hasty. Impact of Macrophage Inflammatory Protein-1 α Deficiency on Atherosclerotic Lesion Formation, Hepatic Steatosis, and Adipose Tissue Expansion. 2012. *PLoS ONE*. 7:e31508. PMID: PMC3281060.
32. EK Anderson, AA Hill, AH Hasty. Stearic acid accumulation in macrophages induces TLR4-independent induction of inflammation, leading to ER stress-mediated apoptosis. 2012. *Arterioscler. Throm. & Vasc. Biol.* 32:1687-1695. PMID: PMC3385654.
33. JS Orr, MJ Puglisi, K Ellacott, CN Lumeng, DH Wasserman, and AH Hasty. TLR4 Deficiency Promotes the Alternative Activation of Adipose Tissue Macrophages. 2012. *Diabetes*. 61:2718-2727. PMID: PMC3478520.

2011

34. DA Gutierrez, A Kennedy, JS Orr, EK Anderson, CD Webb, WK Gerrald, and AH Hasty. Aberrant accumulation of undifferentiated myeloid cells in the adipose tissue of CCR2 deficient mice delays improvements in insulin sensitivity. 2011. *Diabetes*. 60:2820-2829. PMID: PMC3198070.
35. MJ Puglisi, AH Hasty, V Saraswathi. The role of adipose tissue in mediating the beneficial effects of dietary fish oil. 2011. *J. Nutritional Biochem.* 22:101-108. PMID: PMC3038466.

2010

36. TK Rudolph, V Rudolph, MM Edreira, MP, Cole, G Bonacci, FJ Schopfer, SR Woodcock, A Franek, M Pekarova, NK Khoo, AH Hasty, S Baldus, BA Freeman. Nitro-fatty acids reduce atherosclerosis in apolipoprotein E-deficient mice. 2010. *Arterioscler. Throm. & Vasc. Biol.* 30:938-945. PMID: 2857965.
37. AJ Guri, SA Misyak, R Hontecillas, AH Hasty, D Liu, H Si, J Bassaganya-Riera. Abscisic acid ameliorates atherosclerosis by suppressing macrophage and CD4(+) T cell recruitment into the aortic wall. 2010. *J. Nut. Biochem.* 21:1178-1185 PMID: 2891372.
38. BK Surmi, AC Ristau, and AH Hasty. Absence of Macrophage Inflammatory Protein-1 α Does Not Impact Macrophage or T-Lymphocyte Accumulation in Adipose Tissue of Diet Induced Obese Mice. 2010. *Am. J. Physiol. Endocrinol. & Metab.* 299:E437-445. PMID: PMC2944285.
39. BK Surmi and AH Hasty. The role of chemokines in immune cell recruitment to the artery wall and adipose tissue. Invited review. 2010. *Vascular Pharmacology*. 52:27-36. PMID: PMC2823842.
40. AJ Kennedy, KLJ Ellacott, VL King, AH Hasty. Mouse models of the metabolic syndrome. Invited review. 2010. *Disease Models and Mechanisms*. 3:156-166. PMID: PMC2869491.
41. EK Anderson, DA Gutierrez, and AH Hasty. Macrophage recruitment to adipose tissue. Invited Review. 2010. *Current Opinion in Lipidology*. 21:172-177. PMID: 20410821.

2009

42. SM Batoy, S Borgmann, K Flick, J Griffith, JJ Jones, V Saraswathi, AH Hasty, P Kaiser, CL Wilkins. Lipid and phospholipid profiling of biological samples using MALDI Fourier transform mass spectrometry. 2009. **Lipids**. 44:367-371. PMID 19005715.
43. KR Coenen, ML Gruen, RS Lee-Young, MJ Puglisi, DH Wasserman, AH Hasty. Impact of macrophage Toll-like receptor 4 deficiency on macrophage infiltration into adipose tissue and the artery wall in mice. 2009. **Diabetologia**. 52:318-328. PMID 2615827.
44. MJ Romero-Aleshire, MK Diamond-Stanic, AH Hasty, PB Hoyer, HL Brooks. Loss of ovarian function in the VCD mouse-model of menopause leads to insulin resistance and a rapid progression into the metabolic syndrome. 2009. **Am. J. Physiol. Regul. Integr. Comp. Physiol.** 297:R587-592. PMID:2739794.
45. V Saraswathi and AH Hasty. Inhibition of long-chain acyl coenzyme A synthetases during fatty acid loading induces lipotoxicity in macrophages. 2009. **Arterioscler. Throm. & Vasc. Biol.** 29:1937-1943. PMID: 2766024.
46. V Saraswathi and AH Hasty. Dietary fish oil exerts hypolipidemic effects in lean and insulin sensitizing effects in obese LDLR^{-/-} mice. 2009. **J. Nutrition**. 139:2380-2386. PMID:2777481.
47. S Li, Y Sun, C-P Liang, EB Thorp, S. Han, AW Jehle, V Saraswathi, B Pridgen, JE Kanter, R Li, CL Welch, AH Hasty, KE Bornfeldt, JL Breslow, I Tabas, AR Tall. Defective phagocytosis of apoptotic cells macrophages in atherosclerotic lesions of ob/ob mice and reversal by a fish oil diet. 2009. **Circ. Res.** 105:1072-1082. PMID: 2818555.
48. DA Gutierrez, MJ Puglisi, AH Hasty. The link between adipose tissue, inflammation, dyslipidemia and cardiovascular disease in diabetes. Invited review for Disorders of Lipid Metabolism section of 2009. **Current Diabetes Reports**. 9:26-32. PMID:PMC2735041.

2008

49. RD Atkinson, KR Coenen, ML Gruen, MR Plummer, and AH Hasty. Macrophage-derived apolipoprotein E (apoE) ameliorates dyslipidemia and atherosclerosis in obese apoE deficient mice. 2008. **Am. J. Physiol. Endocrinol. & Metab.** 294:E284-E290. PMID 18029445.
50. BK Surmi, RD Atkinson, ML Gruen, KR Coenen, and AH Hasty. The role of macrophage leptin receptor in aortic root lesion formation. 2008. **Am. J. Physiol. Endocrinol. & Metab.** 294:E488-495. PMID 18182468.
51. MR Plummer and AH Hasty. Atherosclerotic lesion formation and triglyceride storage in obese apolipoprotein AI deficient mice. 2008. **J. Nut. Biochem.** 19:664-673. PMID 18280133.
52. JM Stafford, F Yu, R Printz, AH Hasty, LL Swift, and KD Niswender. Central nervous system neuropeptide Y signaling modulates VLDL triglyceride secretion. 2008. **Diabetes**. 57:1482-1490. PMID 18332095
53. N Inoue, N Yahagi, T Yamamoto, M Ishikawa, K Watanabe, T Matsuzaka, Y Nakagawa, Y Takeuchi, K Kobayashi, A Takahashi, H Suzuki, AH Hasty, H Toyoshima, N Yamada, H Shimano. Cyclin-dependent kinase inhibitor, p21WAF1/CIP1, is involved in adipocyte differentiation and hypertrophy, linking to obesity and insulin resistance. 2008. **J. Biol. Chem.** 283:21220-21229. PMID 18445590.
54. T Kato, H Shimano, T Yamamoto, M Ishikawa, S Kumadaki, T Matsuzaka, Y Nakagawa, AH Hasty, Y Takeuchi, K Kobayashi, A Takahashi, S Yatoh, H Suzuki, H Sone, N Yamada. Palmitate impairs and eicosapentaenoate restores insulin secretion through regulation of SREBP-1c in pancreatic islets. 2008. **Diabetes**. 57:2382-2392. PMID 2518489.

55. BK Surmi and AH Hasty. "Macrophage infiltration into adipose tissue: Initiation, propagation, and remodeling". 2008. *Future Lipidology*. 3:545-556. PMID: PMC2575346.

2007

56. AH Hasty, ML Gruen, ES Terry, BK Surmi, RD Atkinson, L Gao, and JD Morrow. Effects of vitamin E on oxidative stress and atherosclerosis in an obese hyperlipidemic mouse model. 2007. *J. Nut. Biochem.* 18:127-133. PMID 16781857.
57. KR Coenen, ML Gruen, A Chait, and AH Hasty. Diet-induced increases in adiposity, but not plasma lipids, promote macrophage infiltration into white adipose tissue. 2007. *Diabetes*. 56:564-573. PMID 17327423.
58. KR Coenen and AH Hasty. Obesity potentiates development of fatty liver and insulin resistance, but not atherosclerosis in high fat diet-fed agouti LDLR deficient mice. 2007. *Am. J. Physiol. Endocrinol. & Metab.* 293: E492-499. PMID 17566116.
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D. Book Chapters

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