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EDUCATION

- 1994 **B.S. Applied Biology**
Brunel University, London, UK
- 1998 **Ph.D. Molecular Biology**
University of Cambridge, Cambridge, UK
Thesis Title: "Nutritional Regulation of Muscle Gene Expression"

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS

- 1998-2000 **Postdoctoral Fellow**
Howard Hughes Medical Institute
Department of Genetics
University of Pennsylvania School of Medicine
- 2000-2002 **Postdoctoral Scientist**
Rohm & Haas Company
Spring House, PA

PROFESSIONAL EXPERIENCE

- 2003-2008 **Technical Director**, Functional Genomics Core Facility
Institute of Diabetes, Obesity and Metabolism (IDOM)
Departments of Genetics and Endocrinology
University of Pennsylvania School of Medicine
Philadelphia, PA
- 2008-Present **Principal Investigator**, Center of Microbial Pathogenesis
The Research Institute at Nationwide Children's Hospital
Columbus, OH

FACULTY APPOINTMENTS

- 2008-2011 **Research Assistant Professor** (Research Track)
The Ohio State University
Columbus, OH
- 2011-Present **Assistant Professor** (Tenure Track)
The Ohio State University
Columbus, OH

HOSPITAL AND/OR ADMINISTRATIVE APPOINTMENTS

- 2008-present **Director**, Biomedical Genomics Core Facility
The Research Institute at Nationwide Children's Hospital
Columbus, OH
- 2012-present **Director**, Molecular Bioinformatics
The Research Institute at Nationwide Children's Hospital
Columbus, OH

ACADEMIC SERVICE

2010 **Committee Chair**; Equipment Grant Advisory Committee
2010-present **Committee Member**; Research Information Technology Advisory Council, The Research Institute at Nationwide Children's Hospital, Columbus, OH
2010-2011 **Search Committee Member**; Center for Molecular and Human Genetics, The Research Institute at Nationwide Children's Hospital, Columbus, OH
2013-present **Executive Committee Member**; Research Computing Steering Committee, The Research Institute at Nationwide Children's Hospital, Columbus, OH
2013-present **Search Committee Member**; Chief Research Information Officer, The Research Institute at Nationwide Children's Hospital, Columbus, OH
2014-present **Search Committee Member**, Director of the Center for Translational Genomic Medicine, The Research Institute at Nationwide Children's Hospital, Columbus, OH
2014-present **Executive Committee Member**; Data & Analytics Strategy Committee, Nationwide Children's Hospital, Columbus, OH

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

2003-2008 Beta Cell Biology Consortium (BCBC)
Vanderbilt University, Nashville, TN
2009-2011 Member, International Society for Developmental Origins of Health and Disease
Southampton, UK
2009-present Member, Association of Biomolecular Resource Facilities (ABRF)
Bethesda, MD
2010-present Member, American Society of Human Genetics (ASHG)
Bethesda, MD
2011-present Member, International Society for Computational Biology (ISCB)
La Jolla, CA

OTHER PROFESSIONAL ACTIVITIES

2009 Ad hoc reviewer: NIH, Center for Scientific Review Special Emphasis Panel, Genome Instrumentation, National Council for Research Resources (NCRR)
2009 Ad hoc reviewer: NIH, Population Genetics Analysis Program Special Emphasis Panel, National Institute of Allergy and Infectious Diseases (NIAID)
2009-Present Genomics Consultant, Human Cancer Biospecimen Core Resource, Nationwide Children's Hospital, The Cancer Genome Atlas (NCI)
2010 Ad hoc reviewer: NIH, Center for Scientific Review, Shared Instrumentation Study Section, National Council for Research Resources (NCRR)
2011-2012 Member, Batch Effects Committee, The Cancer Genome Atlas (NCI)
2012 Ad hoc reviewer: NIH, Center for Scientific Review Special Emphasis Panel, Shared Instrumentation: Genomics (Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs (ORIP))
2013 Ad hoc reviewer: NIH, Understanding the Functions of Uncharacterized Genes in Infectious Disease Pathogens (U19) Special Emphasis Panel, National Institute of Allergy and Infectious Diseases (NIAID)

2014 Ad hoc reviewer, Center for Scientific Review Special Emphasis Panel, Shared Instrumentation: Genomics (Division of Program Coordination, Planning and Strategic Initiatives, Office of Research Infrastructure Programs (ORIP))

AD HOC REVIEWER FOR THE FOLLOWING JOURNALS:

Genome Biology
Biotechniques
Journal of Medical Genetics
BMC Medical Genomics

TEACHING RESPONSIBILITIES

1. Supervision of Postdoctoral Fellows:

2014	Mari Mori, MD
2012-present	Donald Corsmeier, DVM.
2012-2013	William Harvey, Ph.D.

2. Supervision of Graduate Students:

2014	Dan Wang Purdue University, Indiana
2012	Donald Corsmeier DVM, School of Veterinary Medicine
2009	Meng Wang The Ohio State University, Bioinformatics/Biostatistics

3. Supervision of Undergraduate Students:

2014	Cameron Locker Purdue University, Indiana
2012-2014	Logan Griffith Wittenberg University, Pre-Med
2010	Zhi (Meredith) Zheng The Ohio State University- Engineering
2010-2011	Elizabeth Nick Northwestern University, Education and Social Policy
2009- 2011	Sachin Rudraraju Worthington High School

AWARDS AND HONORS

Inventor of the Year (Finalist). TechColumbus Innovation Awards 2012
The CLARITY Challenge (Finalist), Boston Children's Hospital 2013

PATENTS AND INVENTION DISCLOSURES

US Patent Application 2013/0311106 A1 "Comprehensive Analysis Pipeline for Discovery of Human Genetic Variation" **White, Peter**. Newsom, David. Yangqiu Hu. Filed on March 15, 2013. *Licensed to GenomeNext LLC June 14, 2014*

- Ahmer, Brian. Ali, Mohamed. Gonzalez, Juan. Berman, Edward. Newsom, David. **White, Peter.** (2013) A Critical Nutrient Source and Drug Target During Salmonella-Mediated Inflammation. *Invention Disclosure* April 18, 2013. Technology Commercialization & Knowledge Transfer, The Ohio State University.
- Ahmer, Brian. Ali, Mohamed. Newsom, David. **White, Peter.** (2012) Salmonella Genetic Locus Required for Colonization of the Inflamed Intestine. *Invention Disclosure* May 10, 2012. Technology Commercialization & Knowledge Transfer, The Ohio State University.
- White, Peter.** Newsom, David. Yangqiu Hu. (2013) Churchill: A Comprehensive Analysis Pipeline for Discovery of Human Genetic Variation. *Invention disclosure* February 24, 2012. Office of Technology Commercialization, The Research Institute at Nationwide Children's Hospital.

ONGOING RESEARCH SUPPORT

- 1R01HL109758-01A1 Peter White, Ph.D. (Co-PI) 9/24/2012 – 7/31/2016
National Institutes of Health (NIH) / National Heart, Lung, and Blood Institute (NHLBI)
Exome Sequencing and Functional Studies in Familial CHD
The objectives of this project are to utilize cutting edge next-generation sequencing technologies, innovative bioinformatics and statistical approaches, and advanced molecular biological techniques to identify novel genetic etiologies for congenital heart defects in humans.
Role: Co-Principal Investigator
- FA8650-12-2-6359 Gail Herman, Ph.D. (PI) 9/30/2012 – 9/29/2015
Air Force Medical Service / Department of Defense
A Collaborative Translational Autism Research Program for the Military
Develop a registry for autism spectrum disorders composed of families from central Ohio and those in the military stationed at Wright-Patterson Air Force Base (WPAFB) and result in the improved diagnosis and care of those enrolled and enhance biomedical research on the diagnosis, causes and treatment of autism in general.
Role: Co-Investigator
- 1 R56 AI 109002 -01 A1 John Gunn, Ph.D. (PI) 8/8/2014 – 7/31/2015
National Institutes of Health (NIH) / National Institute of Allergy and Infectious Diseases (NIAID)
Chronic infection of the gallbladder by Salmonella
The Ohio State University subcontract. Typhoid Fever is a global human-specific illness caused primarily by *Salmonella enterica* serovar Typhi (S. Typhi). Approximately 5% of those infected with S. Typhi that resolve an acute infection become chronic carriers, with the gallbladder (GB) being the primary site of carriage. We will use our chronic mouse model to characterize both host and bacterial responses associated with gallbladder colonization and establishment of chronic infection. Our goal is to better understand the environment that allows for asymptomatic chronic carriage and to develop therapies to reverse/prevent it.
Role: Co-Investigator
- Sponsored Research Project Peter White, Ph.D. (PI) 12/1/2014 – 11/30/2015
GenomeNext LLC
Churchill Development Plan: Online Software as a Service

The White Lab at The Research Institute at Nationwide Children's will work with the GenomeNext development team to forklift the Churchill solution to GenomeNext AWS environment, assisting with the necessary optimization, testing and optimization of data upload and analysis modules.

COMPLETED RESEARCH SUPPORT

HHSN261201000047C Julie Gastier-Foster, Ph.D. (PI) 5/23/2012 - 7/31/2014
National Institutes of Health (NIH) / National Cancer Institute (NCI)
Biospecimen Core Resource for The Cancer Genome Atlas Project
Review and process blood and tissue samples and their associated data using optimized standard operating procedures for the entire TCGA Research Network, as part of an effort to understand the molecular basis of cancer through the application of genome analysis technologies, including large-scale genome sequencing.
Role: Consultant

R01AI073971 Brian Ahmer, Ph.D. (PI) 3/1/2011 – 4/30/2014
National Institutes of Health (NIH) / National Institute of Allergy and Infectious Diseases (NIAID)
Salmonella Polymicrobial Interactions
OSU subcontract with Brian Ahmer. This subcontract project will involve \$100,000 per year of direct costs, primarily for the manufacture of arrays, nucleic acid preparation, amplification, labeling, hybridization, image analysis, data preprocessing and normalization, and assistance with secondary analysis and statistical interpretation of the data. We will hybridize more than 200 arrays per year using samples from swine, and process this data for genes that contribute significantly to fitness.
Role: Co-Investigator

NCHRI Internal Award Samantha King, Ph.D. (PI) 2/1/2012 – 1/31/2014
Identification of pneumococcal sequence variants that correlate with development of hemolytic uremic syndrome
Completion of these proposed studies will be significant as the increased understanding of pHUS achieved will allow researchers to take, for the first time, a rational approach to development of treatments for this devastating disease. The proposed research is innovative as it uses cutting edge technology to take a genome wide approach to understanding pHUS.
Role: Collaborator

NCHRI Internal Award Peter White, Ph.D. (PI) 5/1/2012 – 7/31/2013
CHURCHILL on the Cloud: Development of a Cloud Computing Prototype for the Discovery of Human Genetic Variation.
Office of Technology Commercialization
Role: Principal Investigator

1R21HL106549-01 Kim McBride, M.D. (PI) 12/1/2010 – 11/30/2012
National Institutes of Health (NIH) / National Heart, Lung, and Blood Institute (NHLBI)
Exome Sequencing in Familial Cardiovascular Malformations
Left ventricular outflow tract malformations are most often diagnosed in infancy or childhood. The investigation specifically targets this group. The research will be performed in large tertiary care centers for children by teams with extensive expertise in the medical and surgical care of critically ill children.

Role: Co-Investigator

NCHRI Internal Award Peter White, Ph.D. (PI) 11/1/2010 -- 10/31/2012
Elucidation of the Genetic Basis for Prune Belly Syndrome

We propose that a gene with a critical role in mesenchymal development is mutated in individuals with prune belly syndrome, and the use of Exome capture and DNA sequencing to identify this gene.

Role: Principal Investigator

FA7014-09-2-0004 Gail Herman, M.D., Ph. D. (PI) 9/30/2009 – 9/29/2012
Air Force Medical Service

Comprehensive Clinical Phenotyping and Genetic Mapping for the Discovery of Autism Susceptibility Genes

Develop a registry for autism spectrum disorders composed of families from central Ohio and those in the military stationed at Wright-Patterson Air Force Base (WPAFB) and result in the improved diagnosis and care of those enrolled and enhance biomedical research on the diagnosis, causes and treatment of autism in general.

Role: Co-Investigator

1S10RR026942-01 Peter White, Ph.D. (PI) 3/18/2010 – 4/18/2011
National Institutes of Health (NIH) / National Council for Research Resources (NCRR)

Shared Instrumentation Grant Program (S10)

The major goal of this project is to establish the next generation sequencing technology at the Research Institute at Nationwide Children's Hospital

Role: Principal Investigator

N01-CM-91001-03 Peter Houghton, Ph.D. (PI) 11/01/2009 -- 11/31/2011

National Institutes of Health (NIH) / National Cancer Institute (NCI)

Pediatric Preclinical Testing Program: Evaluate new agents in comprehensive models of childhood cancer xenografts and identify those having either broad spectrum or tumor-specific activity.

Role: Co-Investigator

29XS073ST Julie Gastier-Foster, Ph.D. (PI) 10/31/2009 – 5/22/2012
National Institutes of Health (NIH) / National Cancer Institute (NCI)

Biospecimen Core Resource for The Cancer Genome Atlas Project

The Contractor shall function as a fundamental resource and play a key role in TCGA. Key goals shall include ensuring that standards are developed, implemented and maintained for all aspects of cancer-related biospecimen management and processing to support genomic characterization.

Role: Co-Investigator

PEER REVIEWED PAPERS

1. Kelly BJ, Fitch JR, Hu Y, Corsmeier DJ, Zhong H, Wetzal AN, Nordquist RD, Newsom DL, **White P.** Churchill: an ultra-fast, deterministic, highly scalable and balanced parallelization strategy for the discovery of human genetic variation in clinical and population-scale genomics. *Genome Biology*. 2015;16(1):6. Epub 2015/01/21. doi: 10.1186/s13059-014-0577-x. PubMed PMID: 25600152.

2. Duncan FJ, Naughton BJ, Zaraspe K, Murrey DA, Meadows AS, Clark KR, Newsome DE, **White P**, Fu H, McCarty DM. Broad functional correction of molecular impairments by systemic delivery of scAAVrh74-hSGSH gene delivery in MPS IIIA mice. *Molecular therapy : the journal of the American Society of Gene Therapy*. 2015. Epub 2015/01/17. doi: 10.1038/mt.2015.9. PubMed PMID: 25592334.
3. Naughton BJ, Duncan FJ, Murrey DA, Meadows AS, Newsom DE, Stoicea N, **White P**, Scharre DW, McCarty DM, Fu H. Blood genome-wide transcriptional profiles reflect broad molecular impairments and strong blood-brain links in Alzheimer's disease. *Journal of Alzheimer's disease : JAD*. 2015;43(1):93-108. Epub 2014/08/01. doi: 10.3233/JAD-140606. PubMed PMID: 25079797.
4. Bonachea EM, Zender G, **White P**, Corsmeier D, Newsom D, Fitzgerald-Butt S, Garg V, McBride KL. Use of a targeted, combinatorial next-generation sequencing approach for the study of bicuspid aortic valve. *BMC medical genomics*. 2014;7:56. Epub 2014/09/28. doi: 10.1186/1755-8794-7-56. PubMed PMID: 25260786.
5. Santana EA, Harrison A, Zhang X, Baker BD, Kelly BJ, **White P**, Liu Y, Munson RS, Jr. HrrF Is the Fur-Regulated Small RNA in Nontypeable *Haemophilus influenzae*. *PloS one*. 2014;9(8):e105644. Epub 2014/08/27. doi: 10.1371/journal.pone.0105644. PubMed PMID: 25157846; PubMed Central PMCID: PMC4144887.
6. Elgamal S, Katz A, Hersch SJ, Newsom D, **White P**, Navarre WW, Ibba M. EF-P dependent pauses integrate proximal and distal signals during translation. *PLoS genetics*. 2014;10(8):e1004553. Epub 2014/08/22. doi: 10.1371/journal.pgen.1004553. PubMed PMID: 25144653; PubMed Central PMCID: PMC4140641.
7. Naughton BJ, Duncan FJ, Murrey DA, Meadows AS, Newsom DE, Stoicea N, **White P**, Scharre DW, McCarty DM, Fu H. Blood Genome-Wide Transcriptional Profiles Reflect Broad Molecular Impairments and Strong Blood-Brain Links in Alzheimer's Disease. *Journal of Alzheimer's disease : JAD*. 2014. Epub 2014/08/01. doi: 10.3233/JAD-140606. PubMed PMID: 25079797.
8. Ali MM, Newsom DL, Gonzalez JF, Sabag-Daigle A, Stahl C, Steidley B, Dubena J, Dyszel JL, Smith JN, Dieye Y, Arsenescu R, Boyaka PN, Krakowka S, Romeo T, Behrman EJ, **White P**, Ahmer BM. Fructose-asparagine is a primary nutrient during growth of *Salmonella* in the inflamed intestine. *PLoS pathogens*. 2014;10(6):e1004209. Epub 2014/06/27. doi: 10.1371/journal.ppat.1004209. PubMed PMID: 24967579; PubMed Central PMCID: PMC4072780.
9. The Boston Children's Hospital CLARITY Challenge Consortium, **White P**. An international effort towards developing standards for best practices in analysis, interpretation and reporting of clinical genome sequencing results in the CLARITY Challenge. *Genome biology*. 2014;15(3):R53. Epub 2014/03/29. doi: 10.1186/gb-2014-15-3-r53. PubMed PMID: 24667040; PubMed Central PMCID: PMC4073084.

10. Jones CJ, Newsom D, Kelly B, Irie Y, Jennings LK, Xu B, Limoli DH, Harrison JJ, Parsek MR, **White P**, Wozniak DJ. ChIP-Seq and RNA-Seq reveal an AmrZ-mediated mechanism for cyclic di-GMP synthesis and biofilm development by *Pseudomonas aeruginosa*. *PLoS pathogens*. 2014;10(3):e1003984. Epub 2014/03/08. doi: 10.1371/journal.ppat.1003984. PubMed PMID: 24603766; PubMed Central PMCID: PMC3946381.
11. The Cancer Genome Atlas Network, **White P**. Integrated genomic characterization of endometrial carcinoma. *Nature*. 2013;497(7447):67-73. Epub 2013/05/03. doi: 10.1038/nature12113. PubMed PMID: 23636398; PubMed Central PMCID: PMC3704730.
12. Harrison A, Santana EA, Szelestey BR, Newsom DE, **White P**, Mason KM. Ferric uptake regulator and its role in the pathogenesis of nontypeable *Haemophilus influenzae*. *Infection and immunity*. 2013;81(4):1221-33. Epub 2013/02/06. doi: 10.1128/IAI.01227-12. PubMed PMID: 23381990; PubMed Central PMCID: PMC3639608.
13. Lamounier RN, Coimbra CN, **White P**, Costal FL, Oliveira LS, Giannella-Neto D, Kaestner KH, Correa-Giannella ML. Apoptosis rate and transcriptional response of pancreatic islets exposed to the PPAR gamma agonist Pioglitazone. *Diabetology & metabolic syndrome*. 2013;5(1):1. Epub 2013/01/10. doi: 10.1186/1758-5996-5-1. PubMed PMID: 23298687; PubMed Central PMCID: PMC3598339.
14. The Cancer Genome Atlas Network, **White P**. Comprehensive molecular portraits of human breast tumours. *Nature*. 2012;490(7418):61-70. Epub 2012/09/25. doi: 10.1038/nature11412. PubMed PMID: 23000897; PubMed Central PMCID: PMC3465532.
15. The Cancer Genome Atlas Network, **White P**. Comprehensive molecular characterization of human colon and rectal cancer. *Nature*. 2012;487(7407):330-7. Epub 2012/07/20. doi: 10.1038/nature11252. PubMed PMID: 22810696; PubMed Central PMCID: PMC3401966.
16. Bolton M, Horvath DJ, Jr., Li B, Cortado H, Newsom D, **White P**, Partida-Sanchez S, Justice SS. Intrauterine growth restriction is a direct consequence of localized maternal uropathogenic *Escherichia coli* cystitis. *PloS one*. 2012;7(3):e33897. Epub 2012/04/04. doi: 10.1371/journal.pone.0033897. PubMed PMID: 22470490; PubMed Central PMCID: PMC3309957.
17. Li Z, Schug J, Tuteja G, **White P**, Kaestner KH. The nucleosome map of the mammalian liver. *Nature structural & molecular biology*. 2011;18(6):742-6. Epub 2011/05/31. doi: 10.1038/nsmb.2060. PubMed PMID: 21623366; PubMed Central PMCID: PMC3148658.
18. Porat S, Weinberg-Corem N, Tornovsky-Babaey S, Schyr-Ben-Haroush R, Hija A, Stolovich-Rain M, Dadon D, Granot Z, Ben-Hur V, **White P**, Girard CA, Karni R, Kaestner KH, Ashcroft FM, Magnuson MA, Saada A, Grimsby J, Glaser B, Dor Y. Control of pancreatic beta cell regeneration by glucose metabolism. *Cell metabolism*. 2011;13(4):440-9. Epub 2011/04/05. doi: 10.1016/j.cmet.2011.02.012. PubMed PMID: 21459328.

19. Ecke LE, Cleck JN, **White P**, Schug J, Mifflin L, Blendy JA. CREB-mediated alterations in the amygdala transcriptome: coordinated regulation of immune response genes following cocaine. *The international journal of neuropsychopharmacology / official scientific journal of the Collegium Internationale Neuropsychopharmacologicum*. 2011;14(8):1111-26. Epub 2010/12/09. doi: 10.1017/S1461145710001392. PubMed PMID: 21138621; PubMed Central PMCID: PMC3970411.
20. Popkie AP, Zeidner LC, Albrecht AM, D'Ippolito A, Eckardt S, Newsom DE, Groden J, Doble BW, Aronow B, McLaughlin KJ, **White P**, Phiel CJ. Phosphatidylinositol 3-kinase (PI3K) signaling via glycogen synthase kinase-3 (Gsk-3) regulates DNA methylation of imprinted loci. *The Journal of biological chemistry*. 2010;285(53):41337-47. Epub 2010/11/05. doi: 10.1074/jbc.M110.170704. PubMed PMID: 21047779; PubMed Central PMCID: PMC3009859.
21. Simonsen ML, Alessio HM, **White P**, Newsom DL, Hagerman AE. Acute physical activity effects on cardiac gene expression. *Experimental physiology*. 2010;95(11):1071-80. Epub 2010/08/11. doi: 10.1113/expphysiol.2010.054858. PubMed PMID: 20696783; PubMed Central PMCID: PMC2956844.
22. Gu C, Stein GH, Pan N, Goebbels S, Hornberg H, Nave KA, Herrera P, **White P**, Kaestner KH, Sussel L, Lee JE. Pancreatic beta cells require NeuroD to achieve and maintain functional maturity. *Cell metabolism*. 2010;11(4):298-310. Epub 2010/04/09. doi: 10.1016/j.cmet.2010.03.006. PubMed PMID: 20374962; PubMed Central PMCID: PMC2855640.
23. Anderson KR, **White P**, Kaestner KH, Sussel L. Identification of known and novel pancreas genes expressed downstream of Nkx2.2 during development. *BMC developmental biology*. 2009;9:65. Epub 2009/12/17. doi: 10.1186/1471-213X-9-65. PubMed PMID: 20003319; PubMed Central PMCID: PMC2799404.
24. Le Lay J, Tuteja G, **White P**, Dhir R, Ahima R, Kaestner KH. CRTC2 (TORC2) contributes to the transcriptional response to fasting in the liver but is not required for the maintenance of glucose homeostasis. *Cell metabolism*. 2009;10(1):55-62. Epub 2009/07/09. doi: 10.1016/j.cmet.2009.06.006. PubMed PMID: 19583954; PubMed Central PMCID: PMC2748661.
25. Rieck S, **White P**, Schug J, Fox AJ, Smirnova O, Gao N, Gupta RK, Wang ZV, Scherer PE, Keller MP, Attie AD, Kaestner KH. The transcriptional response of the islet to pregnancy in mice. *Molecular endocrinology*. 2009;23(10):1702-12. Epub 2009/07/04. doi: 10.1210/me.2009-0144. PubMed PMID: 19574445; PubMed Central PMCID: PMC2754894.
26. Tuteja G, **White P**, Schug J, Kaestner KH. Extracting transcription factor targets from ChIP-Seq data. *Nucleic acids research*. 2009;37(17):e113. Epub 2009/06/26. doi: 10.1093/nar/gkp536. PubMed PMID: 19553195; PubMed Central PMCID: PMC2761252.
27. **White P**, Kaestner KH. Gene expression analysis in diabetes research. *Methods in molecular biology*. 2009;560:239-61. Epub 2009/06/09. doi: 10.1007/978-1-59745-448-3_16. PubMed PMID: 19504254.

28. Golson ML, Le Lay J, Gao N, Bramswig N, Loomes KM, Oakey R, May CL, **White P**, Kaestner KH. Jagged1 is a competitive inhibitor of Notch signaling in the embryonic pancreas. *Mechanisms of development*. 2009;126(8-9):687-99. Epub 2009/06/09. doi: 10.1016/j.mod.2009.05.005. PubMed PMID: 19501159; PubMed Central PMCID: PMC2728177.
29. Li Z, **White P**, Tuteja G, Rubins N, Sackett S, Kaestner KH. Foxa1 and Foxa2 regulate bile duct development in mice. *The Journal of clinical investigation*. 2009;119(6):1537-45. Epub 2009/05/14. doi: 10.1172/JCI38201. PubMed PMID: 19436110; PubMed Central PMCID: PMC2689124.
30. Gao N, **White P**, Kaestner KH. Establishment of intestinal identity and epithelial-mesenchymal signaling by Cdx2. *Developmental cell*. 2009;16(4):588-99. Epub 2009/04/24. doi: 10.1016/j.devcel.2009.02.010. PubMed PMID: 19386267; PubMed Central PMCID: PMC2673200.
31. Bochkis IM, Rubins NE, **White P**, Furth EE, Friedman JR, Kaestner KH. Hepatocyte-specific ablation of Foxa2 alters bile acid homeostasis and results in endoplasmic reticulum stress. *Nature medicine*. 2008;14(8):828-36. Epub 2008/07/29. doi: 10.1038/nm.1853. PubMed PMID: 18660816; PubMed Central PMCID: PMC4095974.
32. Mullany LK, **White P**, Hanse EA, Nelsen CJ, Goggin MM, Mullany JE, Anttila CK, Greenbaum LE, Kaestner KH, Albrecht JH. Distinct proliferative and transcriptional effects of the D-type cyclins in vivo. *Cell cycle*. 2008;7(14):2215-24. Epub 2008/07/19. PubMed PMID: 18635970; PubMed Central PMCID: PMC4000162.
33. Tuteja G, Jensen ST, **White P**, Kaestner KH. Cis-regulatory modules in the mammalian liver: composition depends on strength of Foxa2 consensus site. *Nucleic acids research*. 2008;36(12):4149-57. Epub 2008/06/17. doi: 10.1093/nar/gkn366. PubMed PMID: 18556755; PubMed Central PMCID: PMC2475634.
34. **White P**, May CL, Lamounier RN, Brestelli JE, Kaestner KH. Defining pancreatic endocrine precursors and their descendants. *Diabetes*. 2008;57(3):654-68. Epub 2007/12/12. doi: 10.2337/db07-1362. PubMed PMID: 18071024.
35. Gao N, **White P**, Doliba N, Golson ML, Matschinsky FM, Kaestner KH. Foxa2 controls vesicle docking and insulin secretion in mature Beta cells. *Cell metabolism*. 2007;6(4):267-79. Epub 2007/10/03. doi: 10.1016/j.cmet.2007.08.015. PubMed PMID: 17908556.
36. Keller DM, McWeeney S, Arsenlis A, Drouin J, Wright CV, Wang H, Wollheim CB, **White P**, Kaestner KH, Goodman RH. Characterization of pancreatic transcription factor Pdx-1 binding sites using promoter microarray and serial analysis of chromatin occupancy. *The Journal of biological chemistry*. 2007;282(44):32084-92. Epub 2007/09/01. doi: 10.1074/jbc.M700899200. PubMed PMID: 17761679.
37. Gupta RK, Gao N, Gorski RK, **White P**, Hardy OT, Rafiq K, Brestelli JE, Chen G, Stoeckert CJ, Jr., Kaestner KH. Expansion of adult beta-cell mass in response to increased metabolic demand is dependent on HNF-4alpha. *Genes & development*. 2007;21(7):756-69. Epub 2007/04/04. doi: 10.1101/gad.1535507. PubMed PMID: 17403778; PubMed Central PMCID: PMC1838528.

38. Ku HT, Chai J, Kim YJ, **White P**, Purohit-Ghelani S, Kaestner KH, Bromberg JS. Insulin-expressing colonies developed from murine embryonic stem cell-derived progenitors. *Diabetes*. 2007;56(4):921-9. Epub 2007/03/31. doi: 10.2337/db06-0468. PubMed PMID: 17395739.
39. Hardy OT, Hohmeier HE, Becker TC, Manduchi E, Doliba NM, Gupta RK, **White P**, Stoeckert CJ, Jr., Matschinsky FM, Newgard CB, Kaestner KH. Functional genomics of the beta-cell: short-chain 3-hydroxyacyl-coenzyme A dehydrogenase regulates insulin secretion independent of K⁺ currents. *Molecular endocrinology*. 2007;21(3):765-73. Epub 2006/12/23. doi: 10.1210/me.2006-0411. PubMed PMID: 17185391.
40. Mazzearelli JM, Brestelli J, Gorski RK, Liu J, Manduchi E, Pinney DF, Schug J, **White P**, Kaestner KH, Stoeckert CJ, Jr. EPConDB: a web resource for gene expression related to pancreatic development, beta-cell function and diabetes. *Nucleic acids research*. 2007;35(Database issue):D751-5. Epub 2006/10/31. doi: 10.1093/nar/gkl748. PubMed PMID: 17071715; PubMed Central PMCID: PMC1781120.
41. Mazzearelli JM, **White P**, Gorski R, Brestelli J, Pinney DF, Arsenlis A, Katokhin A, Belova O, Bogdanova V, Elisafenko E, Gubina M, Nizolenko L, Perelman P, Puzakov M, Shilov A, Trifonoff V, Vorobjeva N, Kolchanov N, Kaestner KH, Stoeckert CJ, Jr. Novel genes identified by manual annotation and microarray expression analysis in the pancreas. *Genomics*. 2006;88(6):752-61. Epub 2006/05/27. doi: 10.1016/j.ygeno.2006.04.005. PubMed PMID: 16725306.
42. Burkhardt BR, Greene SR, **White P**, Wong RK, Brestelli JE, Yang J, Robert CE, Brusko TM, Wasserfall CH, Wu J, Atkinson MA, Gao Z, Kaestner KH, Wolf BA. PANDER-induced cell-death genetic networks in islets reveal central role for caspase-3 and cyclin-dependent kinase inhibitor 1A (p21). *Gene*. 2006;369:134-41. Epub 2006/01/18. doi: 10.1016/j.gene.2005.10.040. PubMed PMID: 16412588.
43. **White P**, Brestelli JE, Kaestner KH, Greenbaum LE. Identification of transcriptional networks during liver regeneration. *The Journal of biological chemistry*. 2005;280(5):3715-22. Epub 2004/11/18. doi: 10.1074/jbc.M410844200. PubMed PMID: 15546871.
44. **White P**, Liebhaber SA, Cooke NE. 129X1/SvJ mouse strain has a novel defect in inflammatory cell recruitment. *Journal of immunology*. 2002;168(2):869-74. Epub 2002/01/05. PubMed PMID: 11777984.
45. **White P**, Burton KA, Fowden AL, Dauncey MJ. Developmental expression analysis of thyroid hormone receptor isoforms reveals new insights into their essential functions in cardiac and skeletal muscles. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*. 2001;15(8):1367-76. Epub 2001/06/02. PubMed PMID: 11387234.
46. Dauncey MJ, **White P**, Burton KA, Katsumata M. Nutrition-hormone receptor-gene interactions: implications for development and disease. *The Proceedings of the Nutrition Society*. 2001;60(1):63-72. Epub 2001/04/20. PubMed PMID: 11310425.
47. **White P**, Cattaneo D, Dauncey MJ. Postnatal regulation of myosin heavy chain isoform expression and metabolic enzyme activity by nutrition. *The British journal of nutrition*. 2000;84(2):185-94. Epub 2000/10/13. PubMed PMID: 11029969.

48. Katsumata M, Cattaneo D, **White P**, Burton KA, Dauncey MJ. Growth hormone receptor gene expression in porcine skeletal and cardiac muscles is selectively regulated by postnatal undernutrition. *The Journal of nutrition*. 2000;130(10):2482-8. Epub 2000/10/04. PubMed PMID: 11015477.
49. **White P**, Cooke N. The multifunctional properties and characteristics of vitamin D-binding protein. *Trends in endocrinology and metabolism: TEM*. 2000;11(8):320-7. Epub 2000/09/21. PubMed PMID: 10996527.
50. **White P**, Dauncey MJ. Differential expression of thyroid hormone receptor isoforms is strikingly related to cardiac and skeletal muscle phenotype during postnatal development. *Journal of molecular endocrinology*. 1999;23(2):241-54. Epub 1999/10/09. PubMed PMID: 10514561.
51. Dauncey MJ, Burton KA, **White P**, Harrison AP, Gilmour RS, Duchamp C, Cattaneo D. Nutritional regulation of growth hormone receptor gene expression. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*. 1994;8(1):81-8. Epub 1994/01/01. PubMed PMID: 7507871.

CHAPTERS IN EDITED BOOKS

1. **White, Peter**. (2011). Profiling the miRNome: Detecting Global miRNA Expression Levels with DNA Microarrays. In: *RNA Interference Techniques*, S. Q. Harper, ed. (New York, Humana Press, c/o Springer Science+Business Media, LLC), pp 91-111
2. **White, Peter**. Kaestner, Klaus H. (2009). Gene expression analysis in diabetes research. *Methods in Molecular Biology* 560:239-261
3. Dauncey, M. Joy. Katsumata, Masaya. **White, Peter** (2004). Nutrition, hormone receptor expression, and gene interactions: implications for development and disease. In: 'Muscle Development of Livestock Animals: Physiology, Genetics and Meat Quality'; pp. 105-124. CAB International Publishing (eds. te Pas MFW, Everts ME & Haagsman HP)
4. Dauncey, M. Joy. **White, Peter** (2004). Nutrition and cell communication: Insulin signalling in development, health and disease. *Recent Research Developments in Nutrition*; 6: 49-81. Research Signpost (ed. Pandalai, SG)
5. **White, Peter**. Burton, Keith A. Cattaneo, Donata. Harrison, Adrian P. Dauncey, M. Joy (1995). Biotechnological approach to the study of the interactions between nutritional status and animal growth. In: 'State of the Art of Italian Research in the Field of Biotechnologies Applied to Veterinary Medicine'; pp. 271-279. Breshia, Italy

WHITE PAPERS

1. Corsmeier D, Fitzgerald-Butt S, Herman G, Kelly B, Lamb Thrush D, McBride K, Newsom D, Pierson C, Rakowsky A, and **White P**. (2012) NCHRI CLARITY Challenge Final Report. White Paper: The CLARITY Challenge, Boston Children's Hospital, Boston, MA.
2. Manduchi, E and **White, P**. (2004). Issues Related to Microarray Experimental Design and Normalization. White Paper: University of Pennsylvania School of Medicine, Philadelphia, PA

PRESENTATIONS AND PUBLISHED ABSTRACTS

1. Nadella V, Kelly BJ, Zhong H, Naik A, Wetzel A, **White P.** (2015) Clinical performance of exome capture technology: impact of kits, coverage and analysis. Poster Presentation: 2015 Advances in Genome Biology & Technology, Marco Island, Florida.
2. King SJ, Wetzel AN, Woodiga SA, Kelly BJ, Fitch JR, Singh AK, **White P.** (2015) Simultaneous definition of host and bacterial transcriptomes from a single sample: A system applicable to many disease states including otitis media. Poster Presentation: International Society for Otitis Media 18th International Symposia, National Harbor, Maryland.
3. Banks III W, Cunningham D, Hansen E, Ratliff-Schaub K, Butter E, Schulteis D, Boreman C, Kelly B, **White P.**, Herman G. (2014) Exome sequencing of 43 sporadic cases with an autism spectrum disorder in a local cohort of families identifies sever *de novo* variants and implicates additional genes in ASD pathogenesis. ASHG Annual meeting, San Diego, California.
4. **White P.**, Kelly B, Fitch J, Corsemeier D, Kuck H, Naik A. (2014) Population Scale Genomic Analysis in the Cloud. Podium Presentation: AWS Government, Education and Nonprofits Symposium, Washington, DC.
5. **White P.** (2014) Churchill: An ultra-fast analysis pipeline for the discovery of human genetic variation in clinical and population scale genomics. Podium Presentation: GLBIO Annual Meeting, Cincinnati, Ohio.
6. **White P.** (2014) Genomics in The Research Institute. GLBIO Annual Meeting, Cincinnati, Ohio.
7. **White P.**, Vieland V, Greenberg D, Hodge S. (2014) Combine and conquer: An integrated software suite for finding casual relationships between sequence variants and clinical phenotypes. Podium Presentation: Nationwide Children's Hospital and OSU Human Genetics Community meeting, Columbus, Ohio.
8. Corsmeier D, Fitzgerald-Butt S, Zender G, Garg V, McBride K, **White P.** (2014) High-throughput sequencing and bioinformatics analysis in familial congenital heart disease. Nationwide Children's Hospital and OSU Human Genetics and Genomics Community Symposium, Columbus, Ohio.
9. Fitch J, Kelly B, **White P.** (2014) Ultrafast analysis of the 1,000 genomes project in the cloud with Churchill. Nationwide Children's Hospital and OSU Human Genetics and Genomics Community Symposium, Columbus, Ohio.
10. Kelly B, Fitch J, Corsmeier D, Newsom D, **White P.** (2014) From single sample clinical analysis to population genomics, Churchill is an ultra-fast computational approach to human variant discover no matter the scale. Nationwide Children's Hospital and OSU Human Genetics and Genomics Community Symposium, Columbus, Ohio.
11. McBride KL, Nunez C, Soldatova L, Zender G, Fitzgerald-Butt SM, Corsmeier D, Askwith C, Kelly L, El-Hodiri H, **White P.** (2014) Exome sequencing reveals possible role of SCNN1D in syndrome of heart defects, intellectual disability, sever speech delay and brachydactyly. Nationwide Children's Hospital and OSU Human Genetics and Genomics Community Symposium, Columbus, Ohio.
12. **White P.** (2014) Population scale genomic analysis in the cloud. AWS Government, Education, and Nonprofits Symposium, Washington, DC.
13. Wetzel A, Woodiga S, Kelly B, Fitch J, Singh A, King S, **White P.** (2013) Hybrid isolation and differential expression sequencing (HIDEn-Seq): a new RNA-Seq strategy to elucidate host-pathogen transcriptome during infection from a single sample. Nationwide Children's Hospital Research Day, Columbus, Ohio.

14. Fitch J, Kelly B, **White P.** (2013) Ultrafast analysis of the 1,000 genomes project in the cloud with Churchill. Nationwide Children's Research Day, Columbus, Ohio.
15. Kelly B, Fitch J, Corsemeier D, Kuck H, Naik A, **White P.** (2013) Churchill: An Ultra-Fast Analysis Pipeline for the Discovery of Human Genetic Variation in Clinical and Population Scale Genomics. Poster Presentation: The American Society of Human Genetics 64th Annual Meeting, San Diego, California.
16. Corsemeier D, Fitzgerald-Butt S, Zender G, Mori M, Kelly L, Waters K, Vieland V, El Hodiri H, Garg V, McBride, K, **White, P.** (2014). High Throughput Sequencing and Bioinformatic Analysis in Familial Congenital Heart Disease. Poster Presentation: The American Society of Human Genetics 64th Annual Meeting, San Diego, California.
17. Kelly B, Fitch J, Corsemeier D, Newsom D, **White P.** (2013) Churchill: A cloud-Enabled, Ultra-Fast computational Approach for the Discovery of Human Genetic Variation. Poster Presentation: The American Society of Human Genetics 63rd Annual Meeting, Boston, Massachusetts.
18. Corsemeier D, Kelly B, **White P.** (2013) The Transition to Clinical NGS: How Well Do You Know Your Sequencing Pipeline? Poster Presentation: The American Society of Human Genetics 63rd Annual Meeting, Boston, Massachusetts.
19. Ali MM, Newsom DL, Gonzalez J, Sabag-Daigle A, Stahl C, Steidley B, Dubena J, Dyszel JL, Smith JN, Dieye Y, Krakowa S, Romeo T, Behrman EJ, **White P,** Ahmer BMM. (2013) A glycation product is a critical nutrient source for Salmonella in the inflamed intestine. Pending Presentation: 4th ASM Conference on Salmonella: The Bacterium, the Host and the Environment, Boston, Massachusetts.
20. Patwardhan A, Lintner K, Rider LG, Miller FW, O;Hanlon T, Wu YL, Zhou B, Wang H, Newsom D, **White P,** Spencer CH, Yu CY. (2013) Copy Number Variations of Complement C4A and C4B Genes are Genetic Risk Factor and Disease Modification Factor, Respectively, For Juvenile Dermatomyositis. 2013 American College of Rheumatology Meeting, San Diego, California
21. Boncacha EM, Zender G, Corsemeier D, Fitzgerald-Butt S, Newsom D, **White P,** McBride KL, Garg V. (2013) Use of a Targeted Next Generation Sequencing Approach for the Study of a Cardiac Valve Malformation with Complex Polygenic Heritability. Poster Presentation: 2013 American Academy of Pediatrics National Conference and Exhibition, Orlando, Florida.
22. Kelly B, Fitch J, Corsemeier D, and **White P.** (2013) Churchill: A cloud-enabled, ultra-fast computational approach for the discovery of human genetic variation. Poster Presentation: The 2nd International Society for Computational Biology (ISCB) Great Lakes Bioinformatics Conference, Pittsburgh, Pennsylvania.
23. Corsemeier D, Kelly B, and **White P.** (2013) The transition to clinical NGS: How well do you know your sequencing pipeline? Poster Presentation: The 2nd International Society for Computational Biology (ISCB) Great Lakes Bioinformatics Conference, Pittsburgh, Pennsylvania.
24. Pfau R, Newsom D, **White P,** Reshmi S, Gastier-Foster J, Astbury C, and Pyatt R. (2013) Comparison of expected and observed coverage for total coding regions of genes in the RAS pathway using three commercially available whole-exome capture kits. Poster Presentation: 2013 ACMG Clinical Genetics Meeting, Phoenix, Arizona
25. **White P,** Kelly B, Hu P, Corsemeier D, Harvey D, Zhong H, and Newsom D. (2013) Churchill: A comprehensive and ultra-fast computational approach for the discovery of human genetic variation. Poster Presentation: 2013 Advances in Genome Biology & Technology, Marco Island, Florida.

26. Flanigan KM, Gastier-Foster J, Pyatt R, Quintero Rosales X, Thrush D, Kneile K, Sahenk Z, Mendell J, Kelly B, Newsom D, Hu P, and **White P.** (2012) Comparison of commercially-available Exome capture kits in the diagnosis of neuromuscular disorders. Poster Presentation: The 17th International Congress of the World Muscle Society, Perth, Australia.
27. Kelly B, Hu Y, Casper T, Newsom D, Zhong H, Banks W, Herman G, and **White P.** (2012) Assessment of alignment and variant calling approaches for analysis of human exome capture sequencing data. Poster Presentation: The 2nd International Society for Computational Biology (ISCB) Great Lakes Bioinformatics Conference, Ann Arbor, Michigan.
28. Hu Y, Newsom DL, Kelly B, Casper T, Zhong H, and **White P.** (2012) CHURCHILL: A comprehensive analysis pipeline for discovery of human genetic variation. Poster Presentation: The 2nd International Society for Computational Biology (ISCB) Great Lakes Bioinformatics Conference, Ann Arbor, Michigan.
29. Casper T, Hu Y, Munson R, and **White P.** (2012) A hybrid approach to *de novo* assembly of microbial genomes using short read sequencing data. Poster Presentation: The 2nd International Society for Computational Biology (ISCB) Great Lakes Bioinformatics Conference, Ann Arbor, Michigan.
30. Corsmeier D, Kelly B, Hu Y, Casper T, Newsom D, Zhong H, and **White P.** (2012) ROOSEVELT: An interactive tool for tertiary analysis and visualization of human genetics. Poster Presentation: The 2nd International Society for Computational Biology (ISCB) Great Lakes Bioinformatics Conference, Ann Arbor, Michigan.
31. Santana EA, Harrison A, Hu P, **White P.**, and Munson Jr. RS. (2012) Fur-regulated small RNAs in nontypeable *Haemophilus influenzae*. Poster Presentation: OBASM, The Ohio Branch, American Society for Microbiology, Mason, Ohio.
32. Harrison A, Baker BD, Newsom DL, **White P.**, and Munson Jr. RS. (2011) The RpoE regulons in nontypeable *Haemophilus influenzae*. Poster Presentation: ASM 2011, American Society for Microbiology, New Orleans, Louisiana.
33. Harrison A, Baker BD, Newsom DL, **White P.**, and Munson Jr. RS. (2011) The RpoE regulons in nontypeable *Haemophilus influenzae*. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
34. Santana E, Hu Y, **White P.**, Munson Jr. RS, and Harrison A. (2011) A whole transcriptome analysis of nontypeable *Haemophilus influenzae*. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
35. Geier BA, Kurmasheva R, **White P.**, and Houghton PJ. (2011) Evaluating Pediatric Preclinical Trial Therapeutics. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
36. Banks W, Hanser E, Cunningham D, Varga E, Evans J, Butter E, **White P.**, Geier B, McBride K, Zernzach R, and Herman G. (2011) Analysis of Candidate Genes for ASDs within the Central Ohio Registry for Autism. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
37. Newsom D, Sowby W, Zhong H, Hu Y, Geier B, Casper T, and **White P.** (2011) The Biomedical Genomics Core. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
38. Casper T, Hu Y, Geier B, Zhong H, Newsom D, and **White P.** (2011) Surfing the HiSeq 2000 Data Tsunami. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.

39. Hu Y, Newsom D, Zhong H, Casper T, Geier B, and **White P.** (2011) Exome Capture and Sequencing Using the HiSeq 2000. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
40. Sowby W, Nick E, Rudrarahu S, Zhong H, Newsom D, and **White P.** (2011) Elucidating the Genomic and Epigenomic Mechanisms of Nutritionally Regulated Developmental Programming. Poster Presentation: 2011 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
41. **White P,** Newsom D, Zhong H, and McBride K. (2011) Whole-Exome Sequencing Identifies an Autosomal Recessive Mutation in Familial Congenital Heart Disease. Podium Presentation: 2010 Advances in Genome Biology & Technology Conference (AGBT), Marco Island, Florida.
42. Newsom D, and **White P.** (2010) The Biomedical Genomics Core. Poster Presentation: 2010 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
43. Zheng M, Newsom D, Sowby W, and **White P.** (2010) IUGR Results in Delayed Islet Formation and a Significantly Reduced Beta Cell Mass. Poster Presentation: 2010 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
44. Sowby W, Newsom D, Zheng M, and **White P.** (2010) Elucidating the epigenomic mechanisms of nutritionally regulated developmental programming. Poster Presentation: 2010 Annual Research Conference, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio.
45. Alessio H, Simonsen M, Levine K; **White P;** Newsom, D; Hagerman, A. (2010) Do Large Changes In A Small Number Of Genes Or Small Changes In A Large Number Of Genes Influence Health And Disease Phenotypes? *Medicine & Science in Sports & Exercise* 42(5):797.
46. **White P.** Sowby W, Newsom D. (2010). Elucidating the Genomic and Epigenomic Mechanisms of Nutritionally Regulated Developmental Programming. The Power of Programming, International Conference on the Developmental Origins of Health and Disease, Munich, Germany.
47. Newsom D, Wang M, **White P.** (2010). Sample Labeling and Analysis Approaches for the Affymetrix Whole-Transcript Gene ST Array. Association of Biomolecular Resource Facilities (ABRF) 2010, Sacramento, CA
48. **White, Peter.** (2010). The Biomedical Genomics Core. Association of Biomolecular Resource Facilities (ABRF) 2010, Sacramento, CA
49. Bochkis IM, Rubins NE, **White P,** Furth EE, Friedman JR and Kaestner KH (2008). Foxa2 regulates bile acid metabolism and prevents ER stress in the liver. Forkhead Transcription Factor Networks in Development, Signaling, and Disease Keystone Symposia, Midway, UT.
50. **White P,** Smirnova OS, Fox AJ, Tuteja G and Kaestner KH (2007). The Functional Genomics Core. Annual IDOM Symposium & Spring Genomics Workshop, University of Pennsylvania, Philadelphia, PA.
51. **White P,** Tuteja G, Schug J, Gorski RK, Stoeckert CJ and Kaestner KH (2006). The Mouse PromoterChip BCBC-5: A Powerful Tool for Genome-wide Location Analysis. IBC Chips-to-Hits Symposia, Boston, MA.
52. **White P,** A. Arsenlis, O. Smirnova and Kaestner KH (2006). The BCBC Functional Genomics Core. Beta Cell Biology Consortium Investigator Retreat, Boston, MA.
53. **White P,** Brestelli JE, Arsenlis A, Gorski RK, Chen G, He H, Mazzarelli JM, Manduchi E, Stoeckert CJ Jr. and Kaestner KH (2005). The human and mouse PancChips: high throughput gene expression analysis of the endocrine pancreas. Diabetes Mellitus Keystone Symposia, Keystone, CO.

54. **White P**, Brestelli JE, Gorski RK, Arsenlis A, Lee PP, Pizzaro A, Stoeckert CJ Jr. and Kaestner KH (2003). PancChip 5.0: high throughput gene expression analysis of the endocrine pancreas. Oral and poster presentations at the Beta Cell Biology Consortium Investigator Retreat, Atlanta, GA.
55. Palli SR, Kapitskaya M, Kumar M, Kumar P, **White P**, Hoff III H, and Cress DE (2002). Ecdysone receptor-based inducible gene regulation systems for simultaneous regulation of two genes. *Molecular Therapy*; 5(5):S169-512.
56. Dauncey MJ and **White P** (2002) Nutrition-hormone receptor-gene interactions in health and development. European Association of Animal Production Symposium, Cairo, Egypt.
57. **White P**, Murphy ML, Farrell JP, Hunter CA, Liebhaber SA and Cooke NE (2000). The absence of vitamin D binding protein (DBP) slows immune responses during *Leishmania donovani* infection *in vivo*. *FASEB Journal*; 14(6):A1031-91.23. Presentation at the American Association of Immunologists meeting, May 2000, Seattle, USA.
58. Dauncey MJ, **White P** and Burton KA (2000). Nuclear thyroid hormone receptors and nutrition: developmental and functional significance. Rank Prize Funds Symposium, UK.
59. **White P** and Dauncey MJ (1998). Postnatal undernutrition markedly upregulates cardiac $\alpha 1$ and $\alpha 2$ thyroid hormone receptor gene expression. *Proceedings of the Nutrition Society*; **57**(1):79A. Combined oral and poster presentation at the Nutrition Society meeting, Newcastle, UK. Awarded the Society prize for the best student poster communication.
60. **White P**, Lachuer J, Duchamp C and Dauncey MJ (1997). Porcine thyroid hormone receptor isoforms: cloning and expression in liver and functionally distinct muscles. *Journal of Endocrinology*; 152:P306. Poster presentation at the 16th joint meeting of the British Endocrine Societies, Harrogate, UK.
61. Katsumata M, Burton KA, **White P**, Cattaneo D and Dauncey MJ (1997). Growth hormone receptor gene expression is related to metabolic and contractile properties of muscle. *Journal of Endocrinology*; 152:P125.

LECTURES

- Invited Lecture: “Working with data on the Genomic Scale” at the NCH and OSU Human Genetics Community Meeting, Ohio State University, Columbus, Ohio (January 14, 2015).
- Keynote Lecture: “Genomics: Helping kids everywhere” at the Annual Nationwide Insurance Board of Trustees Meeting, Nationwide Children’s Hospital, Columbus, Ohio (December 8, 2014).
- Invited Lecture: “The White Lab” Nationwide Children’s Hospital CMP Faculty Meeting, Columbus, Ohio (September 14, 2014).
- Invited Lecture: “Genomics at Nationwide Children’s Hospital” at the Nationwide Insurance Executive Board Meeting, Nationwide Children’s Hospital, Columbus, Ohio (August 28, 2014).
- Invited Lecture: “NCH & GenomeNext Partnership: Development of a solution for clinical NGS variant analysis” Clinical Group Meeting, Nationwide Children’s Hospital, Columbus, Ohio (August 21, 2014).
- Invited Lecture: “Population scale genomic analysis in the cloud” at the Amazon Web Services Government, Education and Nonprofits Symposium, Washington, DC (June 24, 2014).
- Invited Lecture: “Combine and Conquer: An integrated software suite for finding causal relationships between sequence variants and clinical phenotypes” at the Road to Collaboration: NCH and OSU

- Human Genetics Community Meeting, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (May 20, 2014).
- Panel Discussion: "Genomics in the Research Institute: Data, Data, DATA" at the Great Lakes Bioinformatics Conference 2014, Cincinnati, Ohio (May 17, 2014).
- Invited Lecture: "CHURCHILL: A Cloud-Enabled, Ultra-Fast Computational Approach for the Discovery of Human Genetic Variation" at the Great Lakes Bioinformatics Conference 2014, Cincinnati, Ohio (May 17, 2014).
- Invited Lecture: "Genomics at Nationwide Children's" at the Management Committee Meeting, Nationwide Children's Hospital, Columbus, Ohio (May 6, 2014).
- Invited Lecture: "Biomedical Genomics Core: 2014 Update" at the Research Leadership Meeting, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (April 14, 2014).
- Invited Lecture: "Genomics at Nationwide Children's" at the Intelligent Communities Site Visit, Nationwide Children's Hospital, Columbus, Ohio (March 31, 2014).
- Invited Lecture: "CHURCHILL: A Cloud-Enabled, Ultra-Fast Computational Approach for the Discovery of Human Genetic Variation" at the Ohio University Bioinformatics Distinguished Lecture Series, Athens, Ohio (February 25, 2014).
- Invited Lecture: "The Genomics Era" at the Ohio University Bioinformatics Journal Club, Athens, Ohio (February 25, 2014).
- Invited Lecture: "Genomics at Nationwide Children's" at the Board of Directors Meeting, Nationwide Children's Hospital, Columbus, Ohio (January 24, 2014).
- Invited Lecture: "Genomics and the Strategic Plan" at the All Admin Meeting, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (November 13, 2013).
- Invited Lecture: "Next Generation Sequencing and the Search for Causal Variants in Genetic Disease" at the 2013 Annual Ohio Genetic Counselor Meeting, Columbus, Ohio (September 20, 2013).
- Invited Lecture: "Churchill: Ultrafast Analysis of the Human Genome" at The 2013 Technology Showcase, Nationwide Children's Hospital, Columbus, Ohio (March 13, 2013)
- Invited Lecture: "Churchill: Faster, Cheaper, Better" at The Center for Microbial Pathogenesis Work in Progress, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (March 13, 2013)
- Invited Lecture: "Secondary Analysis of Human Genomic Resequencing Data" at The Molecular Cytogenetics Group Meeting, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (March 6, 2013)
- Invited Lecture: "Genomics Research in 2013" at Clinical Fellows Prospective Research Training, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (February 12, 2013)
- Invited Lecture: "Exome Sequencing and analysis in Diffuse Pontine Glioma" at The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (December 21, 2012)
- Invited Lecture: "Molecular bioinformatics of Human Genome Resequencing Analysis" at the CHD Research Affinity Group, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (December 18, 2012)
- Invited Lecture: "Churchill, Ultrafast Analysis of Human Genome Resequencing Data" at the Battelle Center for Mathematical Medicine, The Research Institute at Nationwide Children's Hospital, Columbus, Ohio (December 13, 2012)

- Invited Lecture: “Churchill, Ultrafast Analysis of Human Genome Resequencing Data” at the Molecular Genetics Group, Nationwide Children’s Hospital, Columbus, Ohio (December 6, 2012)
- Invited Lecture: “Ultrafast Analysis of Human Genome Resequencing Data in Autism Spectrum Disorders” at the DoD Interim Progress & Kick-Off Meeting, Central Ohio Registry for Autism, Nationwide Children’s Hospital, Columbus, Ohio (December 5, 2012)
- Invited Lecture: “The White Lab” at the Center for Microbial Pathogenesis, Nationwide Children’s Hospital, Columbus, Ohio (March 1, 2012)
- Invited Lecture: “Using next generation sequencing to discover causes of unique familial disease” at the Bench to Outcomes Seminar Series, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio (November 7, 2011)
- Invited Lecture: “Introduction to Genome and Exome Sequencing” at the DoD 24 Month Interim Progress Meeting, Central Ohio Registry for Autism, Nationwide Children’s Hospital, Columbus, Ohio (October 5, 2012)
- Invited Lecture: “Living the pseudo-Dream” at the Center for Microbial Pathogenesis: Work in Progress, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio (September 14, 2011)
- Invited Lecture: “Biomedical Genomics Core” at the Center Directors Meeting, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio (July 26, 2011)
- Invited Lecture: “Next-generation sequencing technology” at the U.S. Air Force Meeting, Central Ohio Registry for Autism, Nationwide Children’s Hospital, Columbus, Ohio (June 16, 2011)
- Invited Lecture: “Genomics at NCH” at the Nationwide Children’s Hospital and Battelle Collaboration Workshop, Columbus, Ohio (May 6, 2011)
- Invited Lecture: “Needle in a haystack: Finding casual variants in whole-exome and whole-genome sequencing data” at the Cytogenetics/Molecular Genetics Lab Meeting, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio (April 27, 2011)
- Podium Presentation: “Whole-Exome Sequencing Identifies an Autosomal Recessive Mutation in Familial Congenital Heart Disease” at the 2011 Advances in Genome Biology & Technology Conference (AGBT), Marco Island, Florida (February 4, 2011)
- Invited Lecture: “Needle in a haystack: Finding casual variants in whole-exome and whole-genome sequencing data” at the Epigenetics Group Meeting, The Research Institute at Nationwide Children’s Hospital, Columbus, Ohio (February 1, 2011)
- Invited Lecture: “Needle in a haystack: Finding casual variants in whole-exome and whole-genome sequencing data” at the Department of Pharmacology, The Ohio State University, Columbus, Ohio (January 20, 2011)
- Invited Lecture: “Next Generation Sequencing at Nationwide Children’s Hospital” at the Battelle Whole Genome Sequencing Collaborative Group, Columbus, Ohio (November 4, 2010)
- Invited Lecture: “Genomics at Nationwide Children’s Hospital” at the OSU CCC Genomics Consortium Meeting, Columbus, Ohio (October 12, 2010)
- Invited Lecture: “The Biomedical Genomic Core” at the OSU CCC 2010 Biomedical Resources Workshop, Columbus, Ohio (September 27, 2010)