IUPUI CURRICULUM VITAE FORMAT
FOR PROMOTION AND TENURE DOSSIERS

NAME: **Wessel** **Jennifer**
Last First Middle

EDUCATION:

POSTDOCTORAL		
Scripps Research Institute	Post-Doc	2007
GRADUATE		
University of California, San Diego	PhD	2006
University of Arizona	MPH	1999
UNDERGRADUATE		
University of Arizona	BS	1996

FURTHER EDUCATION & PROFESSIONAL DEVELOPMENT:

NHLBI Population Studies Workshop	2010
American Heart Association 10-Day Workshop in Cardiovascular Epidemiology	2010
Jackson Laboratory Annual Short Course in Medical & Experimental Mammalian Genetics	2004
International Workshop on Twin and Family Analysis	2004

APPOINTMENTS:

ACADEMIC	
Indiana University Fairbanks School of Public Health Department of Epidemiology Assistant Professor	2012 -
Indiana University School of Medicine Department of Medicine, Division of Cardiology Adjunct Assistant Professor	2010 –
Indiana University School of Medicine Department of Public Health (Department became a School) Assistant Professor	2010 - 2012
Indiana University Center for Computational Biology and Bioinformatics Associate Member	2013-
Indiana University Center for Urban Health Investigator	2012 -

NON-ACADEMIC
Navigenics 2011
Consultant

PROFESSIONAL ORGANIZATION MEMBERSHIPS:

American Diabetes Association 2012-
International Genetic Epidemiology Society 2005-
American Society of Human Genetics 2005-
American Heart Association 2004-

PROFESSIONAL HONORS AND AWARDS:

RESEARCH
Young Investigator Travel Grant Award 2014
American Diabetes Association

Outstanding Working Group Leadership Award 2014
Cohorts for Heart and Aging Research in Genomic Epidemiology Consortium

Loan Repayment Program Recipient 2011-13
Resubmission 2013-
National Institutes of Health

Lilly Scholar 2010 - 2013
Lilly Foundation

Elizabeth Barrett-Connor Young Investigator Finalist 2003
American Heart Association

OVERALL/OTHER
Shared Vision Scholarship, San Diego State University 2000-06
Institute of Public Health Scholarship, San Diego State University 2000-01
Student Final Project Grant, University of Arizona 1999
Traveling Scholar Award, University of Arizona 1999
Graduate Tuition Scholarship, University of Arizona 1998-99
Dean's Honor List and Academic Distinction, University of Arizona 1994-96

PROFESSIONAL DEVELOPMENT:

Leadership in Academic Medicine Program, Indiana University School of Medicine 2010-11
Kuali Coeus Workshop 6/15/2011
Proposal Development Workshop 4/14/2011
Promotion and Tenure Workshop, Excellence in Research 2/17/2011

TEACHING:

Course #	Short Title	Format	Role	Term	Enrollment
UNDERGRADUATE					
P100	Diseases, Disasters, and Disparities			Fall 2010 & Fall 2012	
	Guest Lecturer				10 students & 10 students
	Overall evaluations: 4.9/5				
GRADUATE					
P610	Chronic Disease Epidemiology			Spring 2011 & Spring 2013	
	Guest Lecturer				20 students & 10 students

P650	Cardiovascular Epidemiology Course Director & Lecturer **Overall evaluations: 4.6/5 & 4.7/5**	Spring 2012 & Spring 2014 15 students & 3 students
C611	Introductory Epidemiology Guest Lecturer	Spring 2012 25 students
E751	Doctoral Readings Course Course Director & Lecturer	Fall 2011 & Fall 2012 1 student/semester
E775	Epidemiology Doctoral Seminar Course Director & Lecturer	Summer 2014 8 students

POSTGRADUATE

Introduction to Cardiovascular Genetics Moi University School of Medicine IU-Kenya Program	Lecture to Medical Residents	December 2010

CONTINUING EDUCATION

Grant Writing Workshop Moi University School of Medicine IU-Kenya Program	Lecturer	December 2010

MENTORING:

Individual	Role	Starting Date
Bei Kang	MPH Preceptor	2013
Ritika Kailey	MPH Preceptor	2013
Sheela Jeevan	MPH Preceptor	2013
Jyoti Gupta (manuscript submitted)	MPH Preceptor	2012
Katherine A Carr	MPH Preceptor	2010
Brian Bunn	MPH advisor	2013
Lauren Fish	MPH advisor	2013
Paul Herman	MPH advisor	2013
Lindsey Sanner	MPH advisor	2013
David Broyles	MPH advisor	2013
Sheela Jeevan	MPH advisor	2013
Melissa Brake	MPH advisor	2013
Fausta Houzanme	MPH advisor	2013
Julius Parker	MPH advisor	2013
Allison Forkner	MPH advisor	2013
Andrea Kelley	MPH advisor	2013
Opeyemi Olorungbounmi	MPH advisor	2013
Ashley Butler	MPH advisor	2012
Oyine Ejah	MPH advisor	2012
Michelle Grimard	MPH advisor	2012
Jason Humphrey	MPH advisor	2012
Bei Kang	MPH advisor	2012
Angira Mathur	MPH advisor	2012
Timothy McFarlane	MPH advisor	2012
Sarah Ward	MPH advisor	2012
Michelle Grimard	MPH advisor	2012
Christy Bailey	MPH advisor	2012

David Pison	MPH advisor	2012
Biju Varughese	MPH advisor	2012
Cam Thompson	MPH advisor	2012
Christina Lee	MPH advisor	2012
Heather Vaughn	MPH advisor	2012
Jim Carper	MPH advisor	2012
Mikael Greenwood-Hickman	MPH advisor	2012
Mike Reger	PhD research mentor	2012-
(2 abstracts, manuscript in development)		
Xiaochen Li	PhD research mentor	2011-
(manuscript in development)-		
Jill Layton	PhD research mentor	2010-13
(3 abstracts, CTSI pre-doctoral funding, multiple manuscripts in development)		
Jill Layton	Dissertation committee, Chair	2013-
Mwangi Murage	Dissertation committee	2012-
Joyce Zhan	PhD research committee	2012-
Jin Xia	PhD student advisor	2013
Katelyn Hansen	PhD student advisor	2011-2013
Carolyn Muegge	PhD student advisor	2010-2011

TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT:

DEPARTMENTAL TEACHING		
Introduction to Genetic Epidemiology	Course Development	Summer 2014
Cardiovascular Epidemiology	Course Development	Fall 2011
Applied Epidemiology	Course Development	Fall 2010-Spring 2011
Doctoral Readings Course	Instructor	Fall 2011 & 2012
Chronic Disease Epidemiology	Guest Lecturer	Spring 2011 & 2013
Diseases, Disasters, and Disparities	Guest Lecturer	Fall 2010 & 2012
UNIVERSITY TEACHING		
Introductory Epidemiology	Guest Lecturer	Spring 2012
IU-KENYA TEACHING		
Grant Writing Workshop Moi University School of Medicine	Co-developer	December 2010
Introduction to Cardiovascular Genetics Moi University School of Medicine	Guest Lecturer	December 2010

<u>RESEARCH/CREATIVE ACTIVITY:</u>

GRANTS/FELLOWSHIPS IN RESEARCH:

ACTIVE RESEARCH GRANTS/FELLOWSHIPS
Lee, M-J, **Wessel, J. (Co-I)**
National Institute of Child Health and Development
R21HD068873

A longitudinal study of loss of imprinting in the placenta
$209,740 (total for 2012) 09/25/2011-8/31/2014
1% (dropped from 10%)

Inui, T., **Wessel, J. (Co-I)**
IU Health
Cardiovascular Center of Excellence
Atrial fibrillation genetics in Kenya
$500,000
3%

PENDING RESEARCH GRANTS AND FELLOWSHIPS
Wessel, J (PI)
American Heart Association, Scientists Development Grant, National Center
Using Child's Genetic Risk to Stimulate Diabetes Risk Reducing Change in Families
$308,000 1/17/2014
20%

Wessel, J. (PI)
IU Health Center of Excellence in Cardiovascular Research
Sequencing Gestational Diabetes Genes
$250,000 9/16/2013

Wessel, J. (PI)
Indiana Clinical and Translational Sciences Institute,
Project Development Team Grants
Qualitative assessment of interest in genetic testing
$25,000 2/15/2014

COMPLETED RESEARCH GRANTS/FELLOWSHIPS
Wessel, J. (PI)
Indiana University Purdue University Indianapolis, Office of Research Administration
Research Support Funds Grant
Genetic Risk Model for Type 2 Diabetes
$35,000 7/1/2011-6/30/13

Wessel, J. (PI)
Indiana University Purdue University Indianapolis, Center of Urban Health
Seed grant
Genetic testing for type 2 diabetes
$4000 01/31/2012-08/15/2012

Benowitz, N.L., **Wessel, J. (Scientist)**
National Institute on Drug Abuse
Pharmacogenetics of nicotine addiction and treatment
$2,009,380 (total 2006) 9/15/2005-6/30/2010

SUBMITTED BUT NOT FUNDED RESEARCH GRANTS/FELLOWSHIPS
Wessel, J (PI)
Indiana CTSI, Young Investigator Award in Clinical Translational Research
Using Child's Genetic Risk to Stimulate Diabetes Risk Reducing Change in Families
$223,846 4/1/2014
75%

Wessel, J (PI)
American Heart Association, Scientists Development Grant, Midwest Affiliate

Using Child's Genetic Risk to Stimulate Diabetes Risk Reducing Change in Families
$214,500 1/14/2014
15%

Wessel, J (PI)
National Institute of Diabetes, Digestive Diseases and Kidneys
K01 Translational Diabetes Genetics
$650,000 11/12/2013
75%

Wessel, J. (PI)
Indiana Clinical and Translational Sciences Institute, CECARE
Genetic counseling for diabetes risk
$120,000 7/1/2013

Wessel, J (PI)
National Institute of Diabetes, Digestive Diseases and Kidneys
K01 Translational Diabetes Genetics
$750,000 2/1/2013
75%

Imperiale, T., **Wessel, J. (Co-I)**
Patient Centered Outcomes Research Institute
Uniting Patients, Providers, and Community in Disease Prevention and Health Promotion
10% 12/1/2012

Wessel, J. (PI)
Indiana University School of Medicine, Biomedical Research Grant
Risk Model for Dyslipidemia and Coronary Heart Disease
$40,000 5/1/2011

Galili, D., **Wessel, J. (Co-I)**
Indiana University School of Medicine Core
Gene profiling in the early inflammatory response
$3935 5/1/2011

Chen, P-S., **Wessel, J. (Co-I)**
IU Health Cardiovascular Center of Excellence
Biobanking DNA in IU-Kenya
$1,100,000 2/1/2011

Marrero, D.G., **Wessel, J (Co-I)**
National Institute of Diabetes, Digestive Diseases and Kidneys
P30DK092927
Genetic Intervention for Type 2 Diabetes
$2,962,174 11/1/2010

Clifton, C. **Wessel, J. (Co-I)**
UH2HL108770
National Heart, Lung, and Blood Institute
PheGe: Similarity Based Genotype and Phenotype Dataset Discovery
$3,711,659 9/1/2010
10-20%

Wessel, J. (PI)
Indiana Clinical and Translational Sciences Institute, Project Development Team

Genetic Intervention for Coronary Artery Disease
$25,000 9/1/2010

INVITED PRESENTATIONS – RESEARCH
LOCAL
Personalized Behavioral Intervention: Translate Genome-Wide Association Results & Lifestyle Risk Factors into Early Intervention for Type 2 Diabetes.
Biostatistics Seminar
Indiana University School of Medicine
05/03/2012

Genetics, Genomics & Personalized Medicine of CVD,
Pump Handle Seminar,
Indiana State Department of Health,
2/23/2012

Translating Genome-Wide Association Results and Lifestyle Risk Factors into Early Intervention for Dyslipidemia,
Center for Bioethics Work In Progress,
Indiana University School of Medicine
6/20/2011

Translating Genetic Risk into Primary Prevention for Type 2 Diabetes
Diabetes Translational Research Center Work In Progress
Indiana University School of Medicine
04/01/2011

Hypertension Genetics: from Candidate Gene to Genome-Wide Association Studies to Personalized Genetics
Endocrinology Grand Rounds,
Indiana University School of Medicine,
5/1/2010

NATIONAL
Common and Rare Variants Associated with Coronary Artery Disease Risk and Risk Factors.
American Heart Association Scientific Sessions
Invited Chair of Session
11/18/2013

Rare and Common Variants are Associated with Fasting Glucose, Fasting Insulin and Type 2 Diabetes.
SHARe Scientific Meeting
2/25/2014

SERVICE:

UNIVERSITY SERVICE:
DEPARTMENT

Activity	Role	Inclusive Dates
Spotlight on Molecular Epidemiology for Department Website	Creator	2013
PhD Preliminary Exam Committee	Member	2012 -
PhD Application Committee	Member	2011 -

Research Infrastructure Committee	Co-Leader	2011
SCHOOL		
Faculty Assembly Steering Committee	Member	2013 -
Graduation Ceremony	Reader	2013
Fairbanks School of Public Health Dean Candidate	Interviewer	2012
Faculty Candidate for Cardiology	Interviewer	2010
Faculty Candidates for Environmental Health	Interviewer	2011 & 2013
Faculty Candidates for Biostatistics	Interviewer	2012-2013
Faculty Candidates for Social and Behavioral Sciences	Interviewer	2013
Director of Population Sciences at Cancer Center	Interviewer	2010-2011
Faculty Candidates for Cancer Center Senior Epidemiology	Interviewer	2013
Search Committee Chair of Epidemiology	Member	2012-2013
Search Committee Senior Epidemiology	Member	2012-2013
Creating Research Infrastructure Committee	Co-leader	2011
Junior Faculty Committee	Co-founder and member	2010-Present
Journal Club	Participant & Presenter	2010-2011
MPH Program Final Concentration Project	Reviewer	2010 - Present
UNIVERSITY		
Indiana CTSI Project Development Team	Member	2013-Present
Diabetes Translational Research Center Advisory Committee	Member	2012-Present
Indiana CTSI Design and Biostatistics Program	Member	2010-11

PROFESSIONAL SERVICE:
LOCAL

Fairbanks Institute Science and Policy Committee	Member	2012 - Present
NATIONAL		
American Heart Association Epidemiology Early Career Committee	*Elected Vice Chair*	2013-2015
American Heart Association Committee on Scientific Sessions Program	*Invited Member*	2013-2014
American Heart Association Epidemiology Early Career Committee	*Elected Member*	2010-2013
American Heart Association Epidemiology Spring Conference Committee	*Invited Member*	2010-2013
American Heart Association Epidemiology Spring Conference	*Invited Abstract Grader*	2010 & 2013
American Heart Association Epidemiology Spring Conference	*Daughtery Award Reviewer*	2013
American Heart Association Epidemiology Spring Conference	*Mentoring Award Reviewer*	2010-2014
American Heart Association Epidemiology Spring Conference	*Travel Award Reviewer*	2010-2014
Centers for Disease Control Genomic Applications in Practice and Prevention Network Translational Working Group	Member	2009-2011
Obesity	Journal Reviewer	2011 –
Circulation	Journal Reviewer	2013 –
Diabetes Care	Journal Reviewer	2011 -
Nicotine & Tobacco Research	Journal Reviewer	2010 -
American Journal of Human Genetics	Journal Reviewer	2006 –
Arteriosclerosis, Thrombosis, and Vascular Biology	Journal Reviewer	2004 –

PUBLICATIONS:

RESEARCH/CREATIVE ACTIVITY

(*In-Rank, † Mentor**,** ◆Indicates authors contributed equally, °Corresponding author)

Publications In Preparation/Submitted

*1. Factors Motivating Individuals to Consider Genetic Testing For Type 2 Diabetes Risk Prediction. **Jennifer Wessel** †°, Jyoti Gupta, Mary de Groot. Submitted to Translational Behavioral Medicine.

*3. Prediction of Incident Type 2 Diabetes with Genetic and Non-Genetic Risk Factors in Multiple African-American Populations. Jill Layton, Xiaochen Li, Changyu Shen, **Jennifer Wessel**†°. In Progress

*4. Genetic Testing To Engage Primordial Prevention Of Type 2 Diabetes. **Jennifer Wessel**°**,** David Marrero. In Progress.

*5. Rare and Common Exome Chip Variants are Associated with Fasting Glucose and Insulin Levels – The CHARGE- S Exome Chip and Sequencing Study. **Jennifer Wessel, et al., CHARGE Consortium.** In Progress.

Patents In Preparation/Submitted

*1. Communicating Genetic and Non-Genetic Risk of Future Development of Type 2 Diabetes. **Jennifer Wessel**

Refereed

Publications

*1. Mary de Groot, **Jennifer Wessel**°. Psychological Predictors of Genetic Testing among Those Underestimating Risk of Type 2 Diabetes. Diabetes Educ 2014 Mar 19 AOP.

*2. David SP◆, Hamidovic A◆, Chen GK◆, Bergen AW, **Wessel J**, et al. (2012) Genome-wide meta-analyses of smoking behaviors in African Americans. Transl Psychiatry. May 2012

*3. Swan GE, Javitz HS, Jack LM, **Wessel J**, Michel M, Hinds DA, Stokowksi RP, McClure JB, Catz SL, Richards J, Zbikowski SM, Deprey M, McAfee T, Conti DV, Bergen AW. (2011) Varenicline for smoking cessation: nausea severity and variation in nicotinic receptor genes. Pharmacogenomics J. Aug 2012

*4. Bretz WA, Biesbrock A, Corby PM, Corby AL, Bretz WG, **Wessel J**, Schork NJ. (2011) Environmental and genetic contributions to indicators of oral malodor in twins. Twin Res Hum Genet. 2011 Dec;14(6):568-72.

*5. Valle AM, Radic Z, Rana BK, Mahboubi V, **Wessel J**, Shih PA, Rao F, O'Connor DT, Taylor P. Naturally Occurring Variations in the Human Cholinesterase Genes: Heritability and Association with Cardiovascular and Metabolic Traits. (2011) The Journal of pharmacology and experimental therapeutics. July 2011.

*6. Rao, F., Zhang, K., Zhang, L., Rana, B.K., **Wessel, J.,** Fung, M.M., Rodriguez-Flores, J.L., Taupenot, L., Ziegler, M.G., and O'Connor, D.T. (2010). Human tyrosine hydroxylase natural allelic variation: influence on autonomic function and hypertension. Cell Mol Neurobiol 30, 1391-1394.

*7. Padhukasahasram◆, B., Halperin◆, E., **Wessel, J.,** Thomas, D.J., Silver, E., Trumbower, H., Cargill, M., and Stephan, D.A. (2010). Presymptomatic risk assessment for chronic non-communicable diseases. PLoS One 5, e14338.

*8. **Wessel J**, McDonald SM, Hinds DA, et al. (2010) Resequencing of Nicotinic Acetylcholine Receptor Genes and Association of Common and Rare Variants with Nicotine Dependence. Neuropsychopharmacology. 35(12):2392-402

9. Rana, B.K.◆, **Wessel, J**.◆, Mahboubi, V., Rao, F., Haeller, J., Gayen, J.R., Eskin, E., Valle, A., Das, M., Mahata, S.K., et al. (2009). Natural variation within the neuronal nicotinic acetylcholine receptor cluster on human chromosome 15q24: Influence on heritable autonomic traits in twin pairs. J Pharmacol Exp Ther.

10. Hardin, J., He, Y., Javitz, H.S., **Wessel, J**., Krasnow, R.E., Tildesley, E., Hops, H., Swan, G.E., and Bergen, A.W. (2009). Nicotine withdrawal sensitivity, linkage to chr6q26, and association of OPRM1 SNPs in the SMOking in FAMilies (SMOFAM) sample. Cancer Epidemiol Biomarkers Prev 18, 3399-3406.

11. Beitelshees, A.L., Navare, H., Wang, D., Gong, Y., **Wessel, J**., Moss, J.I., Langaee, T.Y., Cooper-DeHoff, R.M., Sadee, W., Pepine, C.J., et al. (2009). CACNA1C gene polymorphisms, cardiovascular disease outcomes, and treatment response. Circ Cardiovasc Genet 2, 362-370.

12. Su, C.Y., Corby, P.M., Elliot, M.A., Studen-Pavlovich, D.A., Ranalli, D.N., Rosa, B., **Wessel, J.**, Schork, N.J., Hart, T.C., and Bretz, W.A. (2008). Inheritance of occlusal topography: a twin study. Eur Arch Paediatr Dent 9, 19-24.

13. Schork, N.J., **Wessel, J.**, and Malo, N. (2008). DNA sequence-based phenotypic association analysis. In Genetic Dissection of Complex Traits, D.C. Rao and C.C. Gu, eds. (London, Elsevier), pp 195-217.

14. Rao, F.◆, Zhang, L.◆, **Wessel, J.**, Zhang, K., Wen, G., Kennedy, B.P., Rana, B.K., Das, M., Rodriguez-Flores, J.L., Smith, D.W., et al. (2008). Adrenergic polymorphism and the human stress response. Ann N Y Acad Sci 1148, 282-296.

15. Mathews, C.A., Greenwood, T., **Wessel, J.**, Azzam, A., Garrido, H., Chavira, D.A., Chandavarkar, U., Bagnarello, M., Stein, M., and Schork, N.J. (2008). Evidence for a heritable unidimensional symptom factor underlying obsessionality. Am J Med Genet B Neuropsychiatr Genet 147B, 676-685.

16. Zhang, L., Rao, F., Zhang, K., Khandrika, S., Das, M., Vaingankar, S.M., Bao, X., Rana, B.K., Smith, D.W., **Wessel, J.**, et al. (2007). Discovery of common human genetic variants of GTP cyclohydrolase 1 (GCH1) governing nitric oxide, autonomic activity, and cardiovascular risk. J Clin Invest 117, 2658-2671.

17. **Wessel, J.**, Zapala, M.A., and Schork, N.J. (2007). Accommodating pathway information in expression quantitative trait locus analysis. Genomics 90, 132-142.
18. **Wessel, J.**, Schork, A.J., Tiwari, H.K., and Schork, N.J. (2007). Powerful designs for genetic association studies that consider twins and sibling pairs with discordant genotypes. Genet Epidemiol 31, 789-796.
19. **Wessel, J**., Moratorio, G., Rao, F., Mahata, M., Zhang, L., Greene, W., Rana, B.K., Kennedy, B.P., Khandrika, S., Huang, P., et al. (2007). C-reactive protein, an 'intermediate phenotype' for inflammation: human twin studies reveal heritability, association with blood pressure and the metabolic syndrome, and the influence of common polymorphism at catecholaminergic/beta-adrenergic pathway loci. J Hypertens 25, 329-343.
20. Wen, G., **Wessel, J**., Zhou, W., Ehret, G.B., Rao, F., Stridsberg, M., Mahata, S.K., Gent, P.M., Das, M., Cooper, R.S., et al. (2007). An ancestral variant of Secretogranin II confers regulation by PHOX2 transcription factors and association with hypertension. Hum Mol Genet 16, 1752-1764.
21. Rao, F.◆, Zhang, L.◆, **Wessel, J.**, Zhang, K., Wen, G., Kennedy, B.P., Rana, B.K., Das, M., Rodriguez-Flores, J.L., Smith, D.W., et al. (2007). Tyrosine hydroxylase, the rate-limiting enzyme in catecholamine biosynthesis: discovery of common human genetic variants governing transcription, autonomic activity, and blood pressure in vivo. Circulation 116, 993-1006.
22. Rao, F., **Wessel, J**., Wen, G., Zhang, L., Rana, B.K., Kennedy, B.P., Greenwood, T.A., Salem, R.M., Chen, Y., Khandrika, S., et al. (2007). Renal albumin excretion: twin studies identify influences of heredity, environment, and adrenergic pathway polymorphism. Hypertension 49, 1015-1031.
23. Mathews, C.A., Nievergelt, C.M., Azzam, A., Garrido, H., Chavira, D.A., **Wessel, J**., Bagnarello, M., Reus, V.I., and Schork, N.J. (2007). Heritability and clinical features of multigenerational families with obsessive-compulsive disorder and hoarding. Am J Med Genet B Neuropsychiatr Genet 144B, 174-182.
24. Gong, Y., Beitelshees, A.L., **Wessel, J**., Langaee, T.Y., Schork, N.J., and Johnson, J.A. (2007). Single nucleotide polymorphism discovery and haplotype analysis of Ca2+-dependent K+ channel beta-1 subunit. Pharmacogenet Genomics 17, 267-275.
25. Corby, P.M., Bretz, W.A., Hart, T.C., Schork, N.J., **Wessel, J**., Lyons-Weiler, J., and Paster, B.J. (2007). Heritability of oral microbial species in caries-active and caries-free twins. Twin Res Hum Genet 10, 821-828.
26. **Wessel, J**., and Schork, N.J. (2006). Generalized genomic distance-based regression methodology for multilocus association analysis. Am J Hum Genet 79, 792-806.
27. Seasholtz, T.M◆., **Wessel, J**.◆, Rao, F., Rana, B.K., Khandrika, S., Kennedy, B.P., Lillie, E.O., Ziegler, M.G., Smith, D.W., Schork, N.J., et al. (2006). Rho kinase polymorphism influences blood pressure and systemic vascular resistance in human twins: role of heredity. Hypertension 47, 937-947.
28. Salem, R.M., **Wessel, J.**, and Schork, N.J. (2005). A comprehensive literature review of haplotyping software and methods for use with unrelated individuals. Hum Genomics 2, 39-66.
29. Zhang, L., Rao, F., **Wessel, J**., Kennedy, B.P., Rana, B.K., Taupenot, L., Lillie, E.O., Cockburn, M., Schork, N.J., Ziegler, M.G., et al. (2004). Functional allelic heterogeneity and pleiotropy of a repeat polymorphism in tyrosine hydroxylase: prediction of catecholamines and response to stress in twins. Physiol Genomics 19, 277-291.
30. **Wessel, J**., Topol, E.J., Ji, M., Meyer, J., and McCarthy, J.J. (2004). Replication of the association between the thrombospondin-4 A387P polymorphism and myocardial infarction. Am Heart J 147, 905-909.

Book Chapters
*1. **Wessel J.** (2013) Encyclopedia of Behavioral Medicine. Editors: Gellman MD & Turner JR Springer, Basel.
*2. Bergen AW, **Wessel J**, Kaye WH. (2012) The genetics of anorexia nervosa and bulimia nervosa. In: Nurnberger JI & Berretini W (eds) Principles of Psychiatric Genetics. Cambridge University Press, Cambridge.
3. Schork NJ, **Wessel J**, Malo N (2008) DNA sequence-based phenotypic association analysis. In: Rao DC, Gu CC (eds) Genetic Dissection of Complex Traits. Elsevier, London, pp 195-217

PATENTS
1. Genetic Analysis Systems and Methods. Application number 0723512.0
*2. Methods and Systems for Genomic Analysis Using Ancestral Data. Application number 12/239.718

*3. Methods and Systems for Incorporating Multiple Environmental and Genetic Risk Factors. Application number 12/558.345

PRESENTATIONS/ABSTRACTS
**Rare and Common Exome Sequence Variants are Associated with Fasting Glucose Levels.*
American Diabetes Association, San Francisco, CA, Oral Presentation 6/14/2014

**Exome chip analysis of 9,990 type 2 diabetes cases and 51,945 controls identifies novel rare and low frequency coding variation in known T2D susceptibility loci.*
American Diabetes Association, San Francisco, CA, Oral Presentation 6/13/2014

**Genetic Testing and Type 2 Diabetes Risk Awareness.*
American Diabetes Association, San Francisco, CA, Poster 6/14/2014

**Rare and Common Exome Chip Variants are Associated with Fasting Glucose and Insulin Levels – The CHARGE-S Exome Chip and Sequencing Study.*
Cohorts for Heart and Aging Research in Genomic Epidemiology Meeting. Los Angeles, CA. 1/22/14
Poster Presentation

**Common and Rare Variants Associated with Coronary Artery Disease and Risk Factors.*
American Heart Association Scientific Sessions 11/18/2013
Invited Chair of Session

**Rare and Common Exome Chip Variants are Associated with Fasting Glucose and Insulin Levels – The CHARGE-S Exome Chip and Sequencing Study.*
American Society of Human Genetics Boston, MA 11/23/13
Poster

**Factors motivating individuals to consider genetic testing for type 2 diabetes risk prediction.*
American Diabetes Association, Chicago, IL 6/24/13.
Oral Poster. Diabetes July 2013. Vol 62, Suppl 1.

**Rare and Common Exome Chip Variants are Associated with Fasting Glucose and Insulin Levels: Preliminary Analyses.*
Cohorts for Heart and Aging Research in Genomic Epidemiology Meeting. Rotterdam, NL, June 2013.
Oral

**Genome-Wide Association Study of Clustering of Cardiovascular Disease Risk Factors: A Stamler-Kannel Analysis*.
CHARGE Meeting, LA, CA, October, 2011
Oral

Resequencing of Nicotinic Receptor Genes and Analysis of Rare and Common Variations with Nicotine Dependence
International Society of Psychiatric Genetics, San Diego, CA, November 2009
Oral

Pharmacogenetics Research Network Analysis Workshop. Washington University. St Louis, MO. May 2004
Oral

Replication of the Association Between the Thrombospondin-4 A387P Polymorphism and Myocardial Infarction: Importance of Waist-to-hip Ratio As a Confounding Variable.
American Heart Association, 2003.
Elizabeth Barrett-Connor Young Investigator Competition.
Published in Circulation Supplement, October, 2003

Oral

Replication of the Association Between the Thrombospondin-4 A387P Polymorphism and Myocardial Infarction
Epidemiology Research Exchange, San Diego, 2003.
Oral

ApoE4 and Heart Disease Risk Factors at Midlife Influence Cognitive Function in Older Women and Men: The Rancho Bernardo Study
Epidemiology Research Exchange, San Diego, 2002.
Oral

(Date) (Signature of Candidate)