# CURRICULUM VITAE
# Kenneth Ward, MD

## I. PERSONAL DATA

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|---|---|
| Name: | Kenneth Ward |
| Birth Date: | October 18, 1957 |
| Birthplace: | Mount Vernon, New York |
| Citizenship: | United States |
| Marital Status: | Widower, three children |

## II. EDUCATION

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|---|---|
| B.S. | University of Florida<br>Gainesville, Florida, 1979<br>Junior Honors Medical Program<br>Major-Basic Biological & Medical Sciences |
| M.D. | University of Florida College of Medicine<br>Gainesville, Florida, 1982<br>Class Rank: 8th/Class of 124 |
| Residency: | Obstetrics and Gynecology<br>University of Utah Affiliated Hospitals<br>Salt Lake City, Utah<br>July 1982 - June 1984 |
| | Obstetrics and Gynecology<br>George Washington University<br>Washington, DC<br>July 1984 - June 1987 |
| Fellowship: | Maternal-Fetal Medicine and Medical Genetics<br>University of Utah Affiliated Hospitals<br>Salt Lake City, Utah<br>Research in Molecular Biology and Genetics<br>Major Projects: Genetics of Severe Pre-eclampsia, Neurofibromatosis Testing Using Linked DNA Markers, and Chromosome 8 (Multiple Exostoses) Mapping Study<br>July 1987- June 1990 |

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|---|---|
| Board Certification: | National Board Diplomate, 1983, #265843<br>Medical Genetics - 1990, #870751<br>Obstetrics and Gynecology - 1991, #28853<br>Recertified annually through present<br>Maternal Fetal Medicine - 1992 #873374M<br>Recertified annually through present<br>Molecular Genetics - 1993, #93312<br>Recertified annually through present |
| Licenses: | State of Utah<br>#170113-1205, Physician & Surgeon<br>#170113-8905, Physician & Surgeon Controlled Substance |

## III. PROFESSIONAL EXPERIENCE

Appointments:

Instructor, University of Utah
Department of Obstetrics and Gynecology
1988-1990

Assistant Professor, University of Utah
Department of Obstetrics and Gynecology
1990 to 1994

Adjunct Assistant Professor, University of Utah
Department of Human Genetics
1993 to 1995

Investigator, University of Utah
Eccles Program in Human Molecular Biology and Genetics
1993 to 1998

Associate Professor, University of Utah
Department of Obstetrics and Gynecology
1994 to 1998
(with tenure 1995 to 1998)

Adjunct Associate Professor, University of Utah
Department of Human Genetics
1995 to 1999

Chief, Division of Reproductive Genetics
University of Utah
Department of Obstetrics and Gynecology
1996 to 2003

Professor, University of Utah
Department of Obstetrics and Gynecology
(with tenure) July 1998 to 2003

Adjunct Professor, University of Utah
Department of Human Genetics
1999 to 2003

Professor and Chair
University of Hawaii
John A. Burns School of Medicine
Department of Obstetrics, Gynecology &
Women's Health (with tenure)
2003 to 2008

Biotechnology Experience:

EmerGen, Inc.
Salt Lake City, Utah
Chief Scientist, 1998 to 2003
President/Acting Chief Executive Officer, March 2000 – March 2002
Chair, Clinical/Scientific Advisory Board, 2001-2003
Director, 2000 to 2003

Axial Biotech, Inc.
Salt Lake City, Utah
Founder and Chairman of the Board, CSO
2003 to 2012

Taueret Laboratories, L.L.C.
Salt Lake City, Utah
Founder, President, Laboratory Director
2003 to 2019, acquired by Predictive Technology Group, Inc.

Juneau Biosciences, L.L.C.
Salt Lake City, Utah
Founder and CEO
2006 to present

Inception DX , L.L.C.
Salt Lake City, Utah
Founder and Laboratory Director
2017 to 2018, acquired by Predictive Technology Group, Inc.

Consultant Services:

Affiliated Genetics
Founder and Molecular Genetics Consultant
Salt Lake City, Utah
1995 to 2017

Tute Genomics
Salt Lake City, Utah
2013 to 2016

Owlet Baby Care
Medical Advisor
Lehi, Utah
Jan 2017 to present

Predictive Laboratories, Inc.
Consultant, Laboratory Director
Salt Lake City, Utah
2019 to present

Professional Committees:

Mountain States Regional Genetics Services Network
Molecular Genetics Committee, 1988 to 2003, Chair, 1989 to 1991
Steering and Planning Committee, 1989 to 1991
Prenatal Diagnosis Committee, 1989 to 2003
Council of Regional Genetic Networks Ethics Committee, 1992 to 1995

Advisory Committee, Pregnancy Risk Line, Utah Department of Health, 1992 to 2003

Scientific Review Committee
National Neurofibromatosis Foundation
1993

Genetics Advisory Committee, Utah Department of Health, 1994 to 1997

Member, Adverse Pregnancy Outcome Study Group
Foundation for Developmental and Medical Genetics
1994 to 1996

American College of Medical Genetics, Working Group on Factor V Leiden, 1998 to 1999

North American Society for the Study of Hypertension in Pregnancy, Board of Directors - 1999-2001

American College of Obstetricians and Gynecologists Committee on Genetics, 2001 to 2003

Ad hoc Reviewer
NIH Clinical Cardiovascular Science (CCVS) Study Section 2002

Human Embryology and Development 1 (HED1) Study Section 2002

Preterm Labor Genomic and Proteomics, Special Study Section, 2004

Pregnancy and Neonatology (PN) Study Section, 2005, 2006, 2007 to 2015

March of Dimes Hawaii Chapter
Kapiolani Medical Center for Women & Children
Second Annual Prematurity Summit, 2005
Program Chair

University of Hawaii, Clinical Research Center
Scientific Advisory Committee, 2005-2007

American Board of Obstetrics & Gynecology
Examiner in Obstetrics, 2005 - 2007

University of Hawaii, Clinical Research Center
RCMI Clinical Research Advisory Committee (RCAC)
2005 – 2007

Preeclampsia Foundation- Patient Registry, Scientific Advisory Board, 2013 to present

Editorial Experience:

Associate Editor
Reproductive Genetics Section, American Journal of Medical Genetics, 1994 to 1999

Editorial Advisory Board, Molecular Genetics for American Journal of Obstetrics and Gynecology, 2000 to 2012

Referee:
American Journal of Human Genetics
American Journal of Medical Genetics

American Journal of Obstetrics and Gynecology
Fertility and Sterility
Genomics
Human Molecular Genetics
Hypertension
Journal of Biological Chemistry
Journal of Reproductive Immunology
Journal of the Society of Gynecologic Investigation
Lancet
Molecular Diagnostics
Nature Communications
Nature Genetics
Nature Medicine
Nature Scientific Reports
New England Journal of Medicine
Obstetrics and Gynecology
PLOS
Prenatal Diagnosis

Past Grants/Contracts:

Principal Investigator
"Pacific Research Center for Early Human Development"
NIH/NCRR
Sept 2004 – Sept 2009
$10,918,600

Co-Investigator
"Genetic Determinants of Pelvic Floor Disorders"
(Principal Investigator-Peggy A. Norton)
National Institutes of Health
Aug 2001-July 2004
$1,720,500

Contract
"Cytokine Polymorphisms in PROM"
National Institutes of Health Maternal-Fetal Medicine Network
2002-2003
$50,000

"Angiotensinogen Variants and Adverse Pregnancy Outcomes"
National Institutes of Health
2-R01-HL-55812-05
August 1999 - July 2003
$2,374,028

Principal Investigator
"The Genetics of Preterm Labor"
National Institutes of Health

1-K24-HD-01315-01
August 1999 - July 2003
$546,745

Contract (DNA Diagnostic Laboratory)
Paternity Testing
State of Utah, Office of Recovery Services
July 1997 - June 2000
$1,200,000

Principal Investigator
"Reproductive Genetics Center"
Willard Eccles Foundation
1998 - 2002
$800,000

Collaborator
"Intrauterine Growth Restriction, Thrombophilia, and Placental Pathology" (Principal Investigator- Donna Dizon-Townson)
Centers for Disease Control
$150,000

Principal Investigator
"Angiotensinogen Variants and Adverse Pregnancy Outcomes"
National Institutes of Health
1 R01 HL55812-01
August 1995 - July 1999
$2,193,080

Principal Investigator
"Pregnancy Outcome in Women with the Factor V (Leiden) Mutation: A Prospective Study"
March of Dimes Research Foundation
June 1997 - May 1999
$91,459

Principal Investigator
"Cloning the TAPVR-1 Gene"
March of Dimes Research Foundation
June 1997 - May 1999
$111,801

Co-Investigator
"Characterization of Fetal Stem Cells for Transplantation"
National Institutes of Health
Number: 1 R01 HD32170-01
August 1994 to July 1998
$ 1,086,684

Mentor
AGOS Foundation Award
Donna Dizon-Townson
July 1996 - June 1999
$90,000

Principal Investigator
"Perinatal Genetics Center"
Willard Eccles Foundation
November 1994 - October 1997
$750,000

Principal Investigator
"Angiotensinogen in Human Placentation and the Pathologenesis of Preeclampsia"
March of Dimes Research Foundation
Number: 6-FY-95-0193
April 1995 to March 1997
$79,000

Mentor
Howard Hughes Medical Student Research Program
Greg Eyre
"Treft Syndrome - Linkage Analysis"
July 1995 - June 1996
$24,000

Mentor
ACOG/Ortho Academic Training Research Fellowship
Donna Dizon-Townson
July 1995 - June 1996
$30,000

Co-Principal Investigator
"The Exostoses Genes: Their Role in Multiple Cartilaginous Exostoses and Chondrosarcoma"
Shriners Hospitals Research Foundation
January 1994 to January 1995
$ 110,000

Principal Investigator
"Endothelial Nitric Oxide Synthase and Adverse Pregnancy Outcomes"
RGRJ Venture Fund
March 1994 to March 1995
$ 288,538

Sub-contract (DNA Diagnostic Lab)
“Genetic Testing for Atypical Colonic Polyposis”
National Cancer Institute
Number: 5 R01 CA40641-10
April 1994 to April 1996
$60,000

Sub-contract (DNA Diagnostic Lab)
“Predictive DNA Testing for Breast Cancer"
National Institutes of Health
Number: 5 R01 CA63681
June 1994 to July 1996
$ 97,000

Principal Investigator
"Prenatal Gene Therapy"
Willard Eccles Charitable Foundation
July 1993 to June 1995
$ 259,000

Mentor
Howard Hughes Medical Student Research Program
Steve Bleyl
“Familial Total Anomalous Pulmonary Venous Return: Linkage Study”
July 1993 to June 1994
$23,000

Principal Investigator
“The Predictive Value of Angiotension Genotypes”
Myriad Genetics
November 1993 to November 1994
$ 92,315

Co-Investigator
"The Evaluation and Banking of Aborted Fetal Tissues"
National Institute of Health #HD-92-10
September 28, 1992 to September 27, 1994
$1,204,014

Berlex Scholar Award
"The Genetics of Severe Pre-eclampsia"
The Berlex Foundation, New York
January 1, 1990 to December 31, 1999
$60,000

Co-Principal Investigator
"Multiple Cartilaginous Exostoses: Linkage Analysis and Gene Mapping"
Shriners Hospitals Research Foundation
January 1, 1990 to December 31, 1993
$444,000

Principal Investigator
"Development of a DNA Diagnostic Laboratory"
Willard Eccles Charitable Foundation
January 1, 1990 to December 31, 1992
$314,000

Principal Investigator
Preimplantation Genetic Testing
Biomedical Research Support Grant
1990
$28,000

Principal Investigator
"National Reference Laboratory for Neurofibromatosis DNA Linkage Testing"
National Neurofibromatosis Foundation, New York
July 1, 1989 to December 31, 1991
$35,000

Principal Investigator
DNA Diagnostic Laboratory
Intramural Funding, Equipment Grants
November, 1988 to December, 1990
$64,000

Equipment Grants:

Utah Power and Light, 1993
$10,000

Katherine W. and Ezekiel R. Dumke, Jr. Foundation, 1993
$2,500

Dumke Family Foundation, 1993
$11,300

Silver Foundation, 1993
$20,000

Bonneville Land and Title Company 1994 - 1998
$12,000

Lawrence T. and Janet T. Dee Foundation, 1994 - 1997
$9,500

Fidelity Foundation, 1994
$10,000

Janet Q. Lawson Foundation
1994, 1995, 1996, 1997, 1998, 1999, 2000
$115,000

Ralph Nye Charitable Foundation, 1994
$1,500

Joseph Butterworth Gift, 1994 - 1996
$4,500

McGillis Endowment, 1996-1999
$200,531

Katherine W. Dumke and Ezekiel R. Dumke, Jr. Foundation Grant, 1997
$8,000

Annie Taylor Dee Foundation, 1997
$4,000

Madsen Award, 1997
$24,830

## IV. SCHOLASTIC HONORS

Phi Eta Sigma

Phi Beta Kappa

Alpha Omega Alpha

Donnegan Scholarship, 1981 University of Florida

Florida Ob-Gyn Society Award, 1982

Intern Teaching Award, 1983
University of Utah School of Medicine

Footer Award, 1986. George Washington University

Senior Resident of the Year Award, 1986-87
George Washington University

Berlex Scholar, 1990

Ethicon, Junior Fellow Award, 1992

Prize Research Paper, American College of Obstetrics and Gynecology District Meeting, 1992

Searle-Richardson Award, American College of Obstetrics and Gynecology Annual Meeting, 1993

Golden Anniversary Prize for Distinguished Clinical Investigation, University of Utah School of Medicine Alumni Association, 1995

Two poster awards for research excellence, Annual meeting, Society of Perinatal Obstetricians, 1996

Poster award for research excellence, Annual meeting, Society of Perinatal Obstetricians, 1998

Selected as one of "The Best Doctors in America", Peer Survey conducted by Woodward/White, 1998, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009

Award for Research Excellence, Annual meeting, Society for Maternal-Fetal Medicine, 2000

Second Place Scientific Paper, American College of Obstetrics And Gynecology Annual Meeting, 2005

Paper nominated for Hibbs Award – Scoliosis Research Society Annual Meeting, Sept. 2006

2009 Utah Innovation Award in Biotechnology/Pharmaceuticals for ScoliScore™ by Axial Biotech, Inc.

Orthopedics This Week Annual Spine Technology Awards "The Best Diagnostics and Imaging Technology of 2010". Inventor(s): Kenneth Ward, M.D. and Axial Biotech (ScoliScore™ received the most votes of ANY submission to the Spine Technology Awards)

Paper nominated for Hibbs Award – Best Science Paper – Scoliosis Research Society Annual Meeting, Sept. 2010

## V. ADMINISTRATIVE EXPERIENCE

Supervisor, Perinatal Genetic Counselors, University of Utah
1988 to 2000

Founder and Director, University of Utah DNA Diagnostic Laboratory
1988 to 2003
CAP Certification - #22089-08
CLIA Certification - #46D0679584
AABB Certification - #130166

Director, Clinical Molecular Genetics Fellowship
University of Utah School of Medicine
1995 - 2003

Chief, Division of Reproductive Genetics
Department of Obstetrics and Gynecology
University of Utah School of Medicine
1996 - 1998

Director, Reproductive Genetics Program
University of Utah School of Medicine
1998 - 2003

Professor and Chair
University of Hawaii
John A. Burns School of Medicine
Department of Obstetrics, Gynecology &
Women's Health
2003 – 2007

Executive Medical Director
Obstetrics and Gynecology
Kapiolani Medical Specialists
2003 – 2005

Medical Executive Committee
Kapiolani Medical Center for Women & Children
2004 – 2007

Program for Chiefs of Clinical Services
Harvard School of Public Health
January, 2005

Director Axial Biotech Clinical Laboratory
2008 – 2012

Clinical Laboratory Director, Affiliated Genetics
2012-2017

Clinical Laboratory Director Taueret Laboratories, LLC
2017-2019
CLIA certification - #46D1077919
CAP LAP - #7207154
California Certification - #CDS00800282
New York Certification - #WARDK1
Pennsylvania Certification - #34242
Rhode Island Certification - #LCO00786

Clinical Laboratory Director Predictive Laboratories, Inc.
2019-present
CLIA certification - #46D1077919
CAP LAB - #7207154
California Certification - #CDS00800282
New York Certification - #WARDK1
Pennsylvania Certification - #34242
Rhode Island Certification - #LCO00786

## VI. PROFESSIONAL COMMUNITY ACTIVITIES

Delegate to American Medical Student Association (AMSA)
National Convention, 1979

AMSA Chapter President, University of Florida, 1979-80

Student Representative to Curriculum Committee, 1978-79

Coordinator of Freshman Orientation for Class of 1983

Co-Chairman of College Council, 1978-79

Co-President of Medical School Class, 1981-82

Administrative Chief Resident, George Washington University, 1986-87

Utah Perinatal Association, Board of Directors, 1989-91

Hawaii Community Genetics, Advisory Board, 2003-present
Chair 2003-2005

Hawaii State Birth Defects Program, Advisory Committee
Hawaii Department of Health
Honolulu, HI
2003 – 2007

Hawaii State Infant Mortality Committee; 2004 – 2007

Founder and President – Lucina Foundation
A non-profit 501c(3) medical research institute
2005 – 2013

## VII. UNIVERSITY COMMUNITY ACTIVITIES

Admission Committee, M.D./Ph.D. Program
University of Utah School of Medicine
1996 – 1999

University of Hawaii
John A. Burns School of Medicine
Executive Committee 2003 – 2008
Interim Deans Management Team 2006 - 2007

University, Clinical, Education & Research Association
(UCERA), Faculty Practice Plan
Director 2003-2007
Planning Committee 2003 – 2007
Executive Committee 2004 – 2007
Vice President, 2005 – 2007

John A. Burns School of Medicine
Ad hoc LCME Committee Co-Chair
2003 – 2004

## VIII. PROFESSIONAL SOCIETIES

American Association for the Advancement of Science

American College of Obstetrics and Gynecology, Fellow

American College of Medical Genetics, Founding Fellow

American College of Physician Executives

American Heart Association - Hypertension Interest Group

American Institute of Ultrasound in Medicine

American Medical Association

American Society of Human Genetics

American Society for Reproductive Medicine

Association of Professors of Gynecology and Obstetrics
APGO Medical Education Foundation

Association for Molecular Pathology

The Council of University Chairs of Obstetric & Gynecology

Hawaii Medical Association

Honolulu County Medical Society

International Society for the Study of Hypertension in Pregnancy

Kennedy Institute of Bioethics

National Child Support Enforcement Association

North American Society for the Study of Hypertension in Pregnancy

Society for Gynecologic Investigation

Society for the Investigation of Early Pregnancy Loss

Society of Perinatal Obstetricians

Society of Maternal-Fetal Medicine

Utah Medical Association

## IX. TEACHING RESPONSIBILITIES

Courses Taught:

Biology 480 - Independent Research elective (3 students, 2 quarters, 1993-1994)

University of Utah, Medical School Lectures (Annual)
1998-2003
- Biochemistry - "Molecular Medicine"
- Embryology - "Preimplantation Development and Twinning"
- Organ Systems - "Reproductive Immunology"
- Clinical OB/GYN Rotation - "Preeclampsia and Pregnancy Induced Hypertension"
- MSI, MSII, and MSIV Research Electives (3-6 students per year)
- HGEN 503 - Seminar in Human Genetics

OB 709 - Honors research project, four students per year
NURS 503 - Medical Genetics

University of Hawaii, Medical School Lectures 2004
Cell & Molecular Biology –
"Genetics of Cancer II: Colon
Cancer"; "Polycystic Ovary"

Master's Program in Clinical Research – 2004 - 2007
"Selecting a Research Topic"
"Ethics in Biomedical Research"

University of Hawaii, Medical School Lectures 2004 - 2007
"Polycystic Ovary Syndrome"
"Colon Cancer"

University of Hawaii, Medical School Lectures 2005
"Triplet Repeat Disorders"
"DNA Diagnosis"
"Cancer Genetics"

University of Hawaii, Medical School Lectures 2006
"Cystic Fibrosis"
"Human Trisomies"
"Genetics of Common Disease"

Mentor Responsibilities:

Undergraduate
Mentor - Bioscience Undergraduate Research Program
Matthew Leavitt, 1995-1996

Graduate Students Supervised
Terry Morgan, M.D./Ph.D., 1993-1998
Steve Bleyl, M.D./Ph.D., 1993-1999

Graduate
Mentor - Howard Hughes Medical Student Fellowship
Steve Bleyl, 1993-1994
Mentor - Howard Hughes Medical Student Fellowship
Greg Eyre, 1995-1996
Thesis Committee
Ginny Gobel, Ph.D. Nursing, 1992-1993
Karthik Nadesan, Ph.D. Human Genetics Philosophy, 1999-2000
Graduate Student Committee
Andreas Rohrwasser, Human Genetics, 1995-1998

Post-Doctoral

Research mentor for Maternal Fetal Medicine Fellows
Janice Byrne, M.D., 1991-1994
Charlie Chambers, M.D., 1993-1994
Donna Dizon, M.D., 1994-1997
Bardett Fausett, M.D., 1998 - 2000
Tracy Herrmann, Ph.D., 2000 - 2002
XiuQuan Zhang, 2000 - 2003

Courses Developed:

Created and supervised new Fellowship in Clinical Molecular Genetics
Elaine Lyon, Ph.D., 1993-1996
Pinar Towdek, 2001 - 2003

Weekly Perinatal Genetics Clinic and Biweekly Prenatal Diagnosis Conference

Genetics Brown Bag – 2005
"Common Trisomies"

Genetics Brown Bag – 2006
"Triplet Repeat Disorders"

Genetics Brown Bag – 2007
"Molecular Genetics"

## X. BIBLIOGRAPHY

### Scientific Publications

1. Scott JR, Branch DW, Kochenour NK, Ward K: Intravenous immunoglobulin treatment of pregnant patients with recurrent pregnancy loss caused by antiphospholipid antibodies and Rh immunization. Am J Obstet Gynecol, 1988; 159:1055-6.

2. Silva AJ, Ward K, White R: The genetics of mosaic methylation patterns in humans in nucleic acid methylation. UCLA Symposia, Wiley 1990.

3. Ward K, O'Connell P, Carey J, Leppert M, Jolley S, Plaetke R, Ogden B, White R: Diagnosis of neurofibromatosis 1 using tightly linked, flanking DNA markers. Am J Hum Genet 1990; 46(5):943-49.

4. Dean M, Amos JA, Lynch J, Romeo G, Devoto M, Ward K, Halley D, Oostra B, Finn PB, Ferrari M, Collins F, Iannuzzi M: Prenatal diagnosis and linkage disequilibrium with cystic fibrosis for markers surrounding D7S8. Hum Genet, May 1990.

5. Faye-Petersen O, Ward K, Carey JC, Knisely AS: Osteochondrodysplasia with rhizomelia, platyspondyly, callosal agenesis, thrombocytopenia, hydrocephalus, and hypertension. Am Amer J Med Genet 1991; 40(2):183-187.

6. Li Y, Bollag G, Clark R, Stevens J, Conroy L, Fults D, Ward K, Friedman E, Samowitz W, Robertson M, Bradley P, McCormick F, White R, Cawthon R: Somatic mutations in the neurofibromatosis 1 gene in human tumors. Cell 1992; 69:275-281.

7. Spirio L, Nelson L, Ward K, Burt R, White R, Leppert M: A CA-repeat polymorphism close to the adenomatous polyposis coli (APC) gene offers improved diagnostic testing for familial APC. Am J Hum Genet 1993; 52(2):286-296.

8. Ward K, Riley R, Lu J, Robertson M, Nelson LM: A tetranucleotide repeat on polymorphism at the D8S307 Locus. Hum Molecul Genet, 1993; 2(5):615.

9. Ward K, Hata A, Jeunemaitre X, Helin C, Nelson L, Namikawa C, Farrington P, Ogasawara M, Suzumori K, Tomoda S, Berrebi S, Sasaki M, Corvol P, Lifton RP, Lalouel JM: A molecular variant of angiotensinogen associated with preeclampsia. Nature Genetics, 1993; 4:59-61.

10. Charrow J, Listernick R, Ward K: Autosomal dominant multiple care au lait spots and neurofibromatosis-1: evidence of non-linkage. Am J Med Genet, 1993; 45(5):606-8.

11. Silva AJ, Ward K, White R: Mosaic methylation in clonal tissue. Development Biol, 1993; 156(2):391-398.

12. Ward K, Riley R, Lu J, Robertson M, Nelson L: Tetranucleotide repeat polymorphism at the D8S344 locus. Hum Molecul Genet, 1993; 2(7):1087.

13. Lu J, Riley R, Robertson M, Nelson L, Ward K: Tetranucleotide repeat polymorphism at the D8S342, D8S323, D8S345, D8S315, and D8S347 loci on 8q. Hum Molecul Genet, 1993; 2(10):1743.

14. Lewis TB, Leach RJ, Ward K, O'Connell P, Ryan SG: Genetic heterogeneity in benign neonatal epilepsy: identification of a new locus on chromosome 8q. Am J Hum Genet, 1993; 53:670-675.

15. Nelson L, Riley R, Lu J, Robertson M, Ward K: Tetranucleotide repeat polymorphism at the D8S306 locus. Hum Molecul Genet, 1993; 2(11):1984.

16. Riley R, Nelson L, Ward K, Robertson M, Ballard L, Connoly J, Lu J: Tetranucleotide repeat polymorphism at the D8S320 locus. Hum Molecul Genet, 1993; 2(9):1512.

17. Jorde LB, Watkins WS, Viskochil D, O'Connell P, Ward K: Linkage disequilibrium in the neurofibromatosis 1 region: implications for gene mapping: Am J Hum Genet, 1993; 53(5):1038-1050.

18. Riley R, Nelson L, Lu J, Robertson M, Ward K: Tetranucleotide repeat polymorphism at the D8S346 locus. Hum Molecul Genet, 1993; 3(1):214.

19. Fillmore K, Lu J, Riley R, Petersen M, Ward K: Tetranucleotide repeat polymorphism at the D8S322 locus. Hum Molecul Genet, 1993; 3(4).

20. Ward K, Riley R, Lu J, Fillmore K, Robertson M, Nelson K: Tetranucleotide repeat polymorphism at the D8S474 locus. Hum Molecul Genet, 1994; 3(2):383.

21. Lu J, Riley R, Fillmore K, Ward K: Tetranucleotide repeat polymorphism at the D8S640 locus. Hum Molecul Genet, 1994; 3(5):839.

22. Bleyl S, Ainsworth P, Nelson L, Viskochil D, Ward K: An ancient Ta subclass L1 insertion results in an intragenic polymorphism in an intron of the NF1 gene. Hum Molecul Genet, 1994; 3(3):517-518.

23. Nelson L, Lu J, Peterson M, Fillmore K, Riley R, Ward K: Tetranucleotide repeat polymorphism at the D8S639 locus. Hum Molecul Genet, 1994;3(7):1209.

24. Bleyl S, Ruttenberg HD, Carey JC, Ward, K: Familial total anomalous pulmonary venous return: A large Utah-Idaho family. Am J Med Genet, 1994; 52:462-466.

25. The genome project consortium including Ward K: Genome maps V. Science, 1994; 2055-2070.

26. Ward K, Nelson L, Lu J, Peterson M, Fillmore K, Riley R: Tetranucleotide repeat polymorphism at the D8S492 locus. Hum Molecul Genet, 1994; 3(10):1913.

27. Inoue I, Rohrwasser A, Helin C, Jeunemaitre X, Crain P, Bohlender J, Lifton RP, Corvol P, Ward K, Lalouel J-M: A mutation of angiotensinogen in a patient with preeclampsia leads to altered kinetics of the renin-angiotensin system. J Biol Chem, 1995; 270 (19):11430-11436.

28. Bleyl S, Nelson L, Leppert M, Ward K: A gene for familial total anomalous venous return maps to chromosome 4p/3-q11. Am J Human Genet, 1995; 56:408-415.

29. The Utah Marker Development Group including Ward K: A collection of ordered tetranucleotide-repeat markers from the human genome. Am J Human Genet, 1995; 57:619-628.

30. Dizon-Townson D, Nelson L, Scott JR, Branch DW, Ward K: Human leukocyte antigen DQα sharing is not increased in couples with recurrent miscarriage. Am J Reprod Immunol, 1995; 34:209-212.

31. Dizon-Townson D, Hutchison C, Silver R, Branch DW, Ward K: The factor V Leiden mutation which predisposes to thrombosis is not common in patients with antiphospholipid syndrome. Thrombosis and Hemostasis, 1995; 74(4):1029-1031.

32. Lewis TB, Nelson L, Ward K, Leach RJ: A radiation hybrid map of 40 loci for the distal long arm of chromosome 8. Genome Research, 1995; 5:334-341.

33. Purandare SM, Cawthon R, Nelson LM, Sawada S, Watkins WS, Ward K, Jorde LB, Viskochil DH: Genotyping of PCR-based polymorphisms and linkage-disequilibrium analysis at the NF1 locus. Am J Hum Genet, 1996; 59:159-166.

34. Dildy GA, Jackson GM, Ward K: Determination of fetal RhD status from uncultured amniocytes. Obstet Gynecology, 1996; 88(2):207-210.

35. Dilts CV, Carey JC, Hoffman RO, Creel D, Kircher JC, Ward K, Clark E, Leonard CO: Children and adolescents with Neurofibromatosis 1: A behavioral phenotype. Journal of Developmental and Behavioral Pediatrics, 1996;17(4):229-239.

36. Dizon-Townson DS, Nelson L, Easton K, Ward K: The factor V Leiden mutation may predispose women to severe preeclampsia. AJOG, 1996; 175(4):902-905.

37. Tong K, Harnsberger HR, Dahlen RT, Carey J, Ward K: Large vestibular aqueduct syndrome: A genetic disease? American Journal of Radiology, 1996; 168:1097-1100.

38. Dizon-Townson DS, Nelson LM, Jang H, Varner MW, Ward K: The incidence of the Factor V Leiden mutation in an obstetrical population and its relation to deep vein thrombosis. AJOG, 1996;176(4):883-6.

39. Craven CM, Ward K: Premature rupture of the amniotic membranes diagnosed by placental bed biopsy. Archives of Pathology and Laboratory Medicine, 1997; 121:167-8.

40. Craven CM, Carey JC, Ward K: Umbilical cord agenesis in limb body wall defect. AJMG, 1997; 71:97-105.

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195. Casey VF, Braun JT, Ward K: An update on the Heritability of Idiopathic Scoliosis in First Degree Relatives of Surgical Probands. Scoliosis Research Society, 2003.

196. Casey VF, Braun JT, Ward K: The Heritability of Severe Idiopathic Scoliosis in Relatives of Surgical Probands in Utah. Scoliosis Research Society, 2003.

197. Ward K, Farrington PF, Meade MC, Nelson, LM: Genetics of Human Twinning: Is there a Gene which Predisposes to Both Monozygotic and Dizygotic Twins? Society for Gynecologic Investigation, 2004.

198. Ward K, Farrington P, Argyle V, Meade MC, Nelson LM: Heritability of Polycystic Ovary Syndrome. Society for Gynecologic Investigation, 2004.

199. Ward K, Farrington P, Meade MC, Hull D, Nelson LM: The Heritability of Endometriosis: Insights from a Large Population Database. Society for Gynecologic Investigation, 2004.

200. Braun J, Casey V, Argyle V, Nelson LM, Meade M, Ward K: Searching for Genes Responsible for Adolescent Idiopathic Scoliosis. Scoliosis Research Society, 2004.

202. Ward K, Argyle V, Meade MC, Nelson LM: The Heritability of Preterm Delivery, American College of Obstetrics and Gynecology Annual Clinical Meeting, 2005.

203. Ward K, Nelson LM, Ogilvie JW, Braun J: Searching for Genetic Markers Responsible for Idiopathic Scoliosis. Zorab Spine Meeting, 2006.

204. Kendal CE, Trefz D, Ward K, Bryant-Greenwood GD: Expression of Pre-B Cell Colony Enhancing Factor (PBEF) in Primary Human Amniotic Epithelial Cells: Response to Longterm Static Stretch. Society for Gynecological Investigation, 2006.

205. Kendal CE, Trefz D, Ward K, Bryant-Greenwood GD: Pre-B Cell Colony Enhancing Factor (PBEF) and Il-8 Espression in Primary Human Amniotic Epithelial Cells: Responses to Cyclic Stretch/Release and an Inflammatory Challenge. Society for Gynecological Investigation, 2006.

206. Meade MC, Nelson LM, Argyle V, Smith-Berry T, Murphy S, Braun JT, Ogilvie JW, Ward K: Extended Family Relationships in Idiopathic Adolescent Scoliosis Pedigrees: Polygenic Inheritence and Founder Effect. American Society of Human Genetics, 2006.

207. Nelson LM, Braun JT, Ogilvie JW, Ward K: Contactin-Associated Protein-like 2 is a Positional Candidate Gene for Idiopathic Adolescent Scoliosis. American Society of Human Genetics, 2006.

208. Ward K, Meade MC, Nelson LM, Argyle V, Smith-Berry T, Murphy S, Braun JT, Ogilvie JW: Genetic Analysis of Large Four Generation Families with Idiopathic Adolescent Scoliosis. American Society of Human Genetics, 2006.

209. Braun J, Nelson LM, Ogilvie JW, Ward K: Genetics and Etiologies. 1st International Congress of Early onset Scoliosis and the Growing Spine, 2007.

210. Braun J, Nelson LM, Ogilvie JW, Ward K: Twelve PNA Markers Accurately Assess Risk of Progression in AISS. Scoliosis Research Society, 2007.

211. Urschitz J, Burlingame JM, Ward K: TCF7L2 Polymorphism is associated with Gestational Diabetes. Society for Gynecological Investigation, 2007.

212. Burlingame JM, Urschitz J, Ward K: Vistfatin Polymorphisms and Gestational Diabetes. Society for Gynecological Investigation, 2007.

213. Ogilvie JW, Ward K, Nelson L: Novel DNA Test for Severe Adolescent Idiopathic Scoliosis-Presymptomatic Prognostic Test Identifies Patients Who Might Benefit from Early Application of Non-fusion Implants. Spine Arthroplasty Society, 2008.

215. Ogilvie JW, Nelson LM, Chettier R, Ward K: Prognostic DNA Test Predicts Progression of Adolescent Idiopathic Scoliosis Regardless of Lenke Curve Pattern. Pediatric Orthopaedic Society of North America, 2008.

216. Ogilvie JW, Nelson L, Chettier R, Smith-Berry T, Ward K: Predicting Brace-Resistant Adolescent Idiopathic Scoliosis, Scoliosis Research Society, 2008

217. Ward K, Nelson LM, Chettier R, Braun JT, Ogilvie JW: Genetic profile predicts curve progression in Adolescent Idiopathic Scoliosis. Scoliosis Research Society, 2008.

218. Ward K, Singleton M, Berry T, Nelson L, Ogilvie J: Validations trials of A DNA-based Prognostic Test (AIS-PT) designed to predict curve progression in Adolescent Idiopathic Scoliosis patients. International Meeting on Advanced Spine Technologies, 2009.

219. Farrington P, Ward K, Albertsen H, Frech G, Maness T, Dintelman S, Wong L: The heritability of endometriosis in a Utah Population. American Society of Human Genetics, 2009.

220. Albertsen H, Ward K, Frech G, Farrington P, Dintelman S: Genome-wide association study identifies novel loci associated with endometriosis in a Caucasian population. American Society of Human Genetics, 2009.

221. Ward K, Albertsen H, Frech G, Maness T, Dintelman S, Wong L: The heritability of neonatal death in a Utah population. American Society of Human Genetics, 2009.

222. Gu J, Nelson L, Chettier R, Ward K: Genetic variations in CNTNAP2 associated with Adolescent Idiopathic Scoliosis (AIS) progression. American Society of Human Genetics, 2009.

223. Macina R, Gu J, Nelson L, Chettier R, Ward K: Genetic variations in genes of the Axon Guidance Pathway associated with Adolescent Idiopathic Scoliosis (AIS) etiology and progression. American Society of Human Genetics, 2009.

224. Chettier R, Nelson L, Ogilvie, Macina, Ward K: Genome-wide array scan identified several Copy Number Variants loci associated with adolescent idiopathic scoliosis (AIS). American Society of Human Genetics, 2009.

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226. Nelson L, Ward K, Ogilvie J: Study testing association of genetic markers of melatonin signaling and biosynthesis to predict adolescent idiopathic scoliosis (AIS) of curve severity. Scoliosis Research Society, 2009.

227. Ogilvie J, Nelson L, Chettier R, Ward K: Genetic Profiles are more Predictive of Adolescent Idiopathic Scoliosis (AIS) Curve Progression than Usual Clinical Criteria. Scoliosis Research Society, 2009.

228. Lonner B, Murthy V, Goldstein T, Penn K, Ward K: Personalizing Management of Adolescent Idiopathic Scoliosis: Can DNA-Based Prognostic testing Lead To Evidence Based Care and Lowered costs? Submitted Pediatric Orthopaedic Society of North America / Asia Pacific Orthopaedic Association, 2010.

229. Albertsen H, Frech G, Farrington P, Ward K: Genome-wide association study of endometriosis in a Caucasian population reveals multiple novel loci. Society for Gynecologic Investigation, 2010.

230. Nelson L, Chettier R, Cook D, Ward K: Experience using a prognostic test for prediction of severe curve progression in Adolescent Idiopathic Scoliosis patients. American College of Medical Genetics, 2010.

231. Bernstein I, Schonberg A, Ward K: Common Genetic Polymorphisms Related to Maternal Plasma Volume. Society for Gynecologic Investigation, 2010.

232. Albertsen H, Frech G, Farrington P, Ward K. Genome-wide association study of endometriosis in a Caucasian population reveals multiple novel loci. Society for Gynecologic Investigation, 2010.

233. Chettier R, Nelson LM, Ogilvie JM, Macina RA, Ward K. Genome-wide array scan identified Copy Number Variants locie associated with adolescent idiopathic scoliosis (AIS). Nominated for the Hibb's Award. Scoliosis Research Society, 2010.

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235. Macina RA, Chettier R, Ogilvie JW, Nelson LM, Ward K. Identification of molecular regulatory networks associated with Adolescent Idiopathic Scoliosis (AIS) progression. International Meeting on Advanced Spine Technologies, 2010.

236. Ward K, Chettier R, Ward J, Nelson L. Genome-wide association study of preeclampsia points to several novel genes. Society for Maternal Fetal Medicine, 2011.

237. Albertsen H, Chettier R, Farrington P, Ward K. Genome-wide association study suggest novel loci predisposing women to develop endometriosis. World Congress on Endometriosis, 2011.

238. Nelson LM, Ogilvie J, Ward K. AIS prognostic test patients with advanced Cobb angles. Scoliosis Research Society and International Meeting on Advanced Spine Technologies, 2011.

239. Nelson LM, Chettier R, Ogilvie J, Ward K. Candidate genes for susceptibility of adolescent idiopathic scoliosis identified through a large genome-wide association study. Scoliosis Research Society, 2011.

240. Scholand MB, Wolff R, Coon H, Crossno PF, Sundar KM, Argyle V, Wong L, Ward K. Founder effects in interstitial pulmonary fibrosis: A population based analysis over four centures. American Thoracic Society, 2011.

241. Ward K, Nelson LM, Ogilvie J. The Lonstein-Carlson progression factor does not predict scoliosis curve progression in a replication study. Scoliosis Research Society and International Meeting on Advanced Spine Technologies, 2011.

242. Ogilvie J, Nelson LM, Ward K. Using the adolescent idiopathic scoliosis prognostic test (AIS-PT) to predict progression to moderate curves in patients with a mild curve. Scoliosis Research Society and International Meeting on Advanced Spine Technologies, 2011.

243. Ward K, Chettier R, Farrington P, Albertsen H. Shared genomic segment analysis in extended families with endometriosis. Society for Gynecologic Investigation, 2012.

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246. Ward K. Comparing apples and oranges: Molecular pathogenesis of Adolescent Idiopathic Scoliosis varies by patient ancestry. Scoliosis Research Society, 2012.

247. Ogilvie JW, Chettier R, Nelson LM, Ward K. DNA-based prognostic test scores are higher in patients who fail orthotic treatment for Adolescent Idiopathic Scoliosis. Scoliosis Research Society and International Meeting on Advanced Spine Technologies, 2012.

248. Nelson LM, Ogilvie JW, Ward K. AIS prognostic test (AIS-PT) testing of patients with advanced Cobb angles provides further validation of the test algorithm. Scoliosis Research Society and International Meeting on Advanced Spine Technologies, 2012.

249. Ward K, Nelson LM, Chettier R, Ogilvie JW. The clinical value of an intermediate risk score with AIS prognostic testing. Scoliosis Research Society, 2012.

250. Ward K, Chettier R. Shared chromosomal segment analysis in distant relatives with Adolescent Idiopathic Scoliosis. International Meeting on Advanced Spine Technologies, 2012.

251. Ogilvie JW, Nelson LM, Chettier R, Ward K. Potentially avoidable x-rays in mild AIS patients. Scoliosis Research Society, 2012.

252. Nelson L, Chettier R, Ward K. Prognostic testing for prediction of severe curve progression in Adolescent Idiopathic Scoliosis patient: the first three years. International Meeting on Advanced Spine Technologies, 2012.

253. Chettier R, Albertsen H, Ward K. Comparing apples and oranges: molecular pathogenesis of endometriosis varies by patient ancestry. American Society for Reproductive Medicine, 2012.

254. Ward K, Chettier R, Farrington, Albertsen H. Genetic prediction of endometriosis in women seeking assisted reproductive technologies. American Society for Reproductive Medicine, 2012.

255. Ward K, Chettier R, Farrington P, Albertsen H. *KRAS* and LCS6 show no evidence of association with endometriosis. American Society for Reproductive Medicine, 2012.

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259. Ward K, Chettier R, Albertsen H. Improved prediction of endometriosis – DNA markers combined with clinical risk factors. American College of Obstetrics and Gynecology, 2012.

260. Albertsen H, Chettier R, Farrington P, Ward K. GWAS identify novel loci associated with endometriosis. Society for Gynecologic Investigation, 2013.

261. Chettier R, Albertsen H, Ward K. Digging deeper to find predictive markers for endometriosis. Society for Gynecologic Investigation, 2013.

262. Albertsen HM, Chettier R, Ward K. Genomic rearrangements (copy number variants) may play a role in the pathogenesis of endometriosis. 12th World Congress on Endometriosis, 2014.

263. Albertsen HM, Chettier R, Farrington P, Ward K. Evolutionarily recent, exonic mutations are strong genetic risk factors for endometriosis. American Society for Reproductive Medicine, 2014.

264. Ward K, Chettier R, Farrington P, Albertsen HM. Mutations in the GnRH signaling pathway are risk factors for endometriosis. American Society for Reproductive Medicine, 2014.

265. Chettier R, Albertsen HM, Ward K. Next generation sequencing of families with endometriosis identifies new genomic regions likely to contribute to heritability. American Society for Reproductive Medicine, 2014.

266. Chettier R, Albertsen HM, Ward K. Rare mutations in Wnt signaling pathways are risk factors for endometriosis. American Society for Reproductive Medicine, 2014.

267. Nelson L, Chettier R, Ogilvie JW, Albertsen HM, Ward K. Genome-wide association study identifies two distinct risk haplotypes at LBX1, and links ITPR1and SOX5 to adolescent idiopathic scoliosis. American Society of Human Genetics, 2014.

268. Ward K, Chettier R, Albertsen HM, Farrington P: Exome sequencing of women with surgically confirmed endometriosis identifies new candidate genes. American Society for Reproductive Medicine, 2015.

269. Chettier R, Albertsen HM, Ward K. NLRP2: A paternally imprinted gene implicated in innate immunity and blastocyst development has a major effect on endometriosis. American Society of Human Genetics, 2015.

270. Ward K, Chettier R, Albertsen H. Whole exome sequencing of endometriosis patients uncovers mutations with large effects. Society for Reproductive Investigation, 2016.

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273. Albertsen HM, Chettier R, Ward K. Key endometriosis genes show very low mutations rates indicating these genes have essential functions during embryonic development and suggests a role in endometriosis-related infertility. Society for Reproductive Investigation, 2016.

274. Chettier R, Albertsen HM, Ward K. Distant relative pair analysis identifies a DNA repair gene POLN associated with familial endometriosis. Society for Reproductive Investigation, 2016.

275. Ward K, Chettier R, Albertsen HM. Replication study implicates IL33 and PDE1C as candidate genes for endometriosis. Society for Reproductive Investigation, 2016.

276. Polly D, Ledonio C, Ward K, Moertel C, Chettier R, Nelson LM, Crawford A, Ogilvie JW. Genetic evaluation for the scoliosis gene(s) in patients with neurofibromatosis type I. Scoliosis Research Society, 2016.

277. Ward K, Chettier R, Albertsen H. Low-frequency, damaging mutation in hundreds of genes are risk factors for endometriosis. Society for Reproductive Investigation, 2017.

278. Ward K, Chettier R, Albertsen H. Novel high-risk damaging mutations discovered in familial endometriosis. Society for Reproductive Investigation, 2017.

279. Ward K, Chettier R, Albertsen H. Genetic variation underlying the clinical heterogeneity of endometriosis. Society for Reproductive Investigation, 2017.

280. Gammill HS, Chettier R, Brewer A, Roberts JM, Shree R, Tsigas E, Ward K. Three protein-truncating mutations that may contribute to developing preeclampsia. Society for Reproductive Investigation, 2017.

281. Brewer A, Chettier R, Gammill HW, Roberts JM, Shree R, Tsigas E, Ward K. Cardiomyopathy and preeclampsia: shared genetics? Society for Reproductive Investigation, 2017.

282. Gammill HS, Chettier R, Brewer A, Roberts JM, Shree R, Tsigas E, Ward K. Identification of novel genetic variants from whole exome sequencing in preeclampsia. Society for Reproductive Investigation, 2017.

283. Albertsen HM, Chettier R, Ward K. Endometriosis GWAS replicate association near the kinase insert domain receptor gene (KDR). World Congress of Endometriosis, 2017.

284. Ward K, Chettier R, Albertsen HM. Variation in innate pain sensitivity may play an important role in endometriosis. World Congress of Endometriosis, 2017.

285. Chettier R, Albertsen HM, Ward K. CCDC168 and MUC12 show recessive effects in women with endometriosis. World Congress of Endometriosis, 2017.

286. Iyer A, Carlile A, Olney B, Allen P, Kerman S, Workman R, Bomsta Z, Workman K, Ward K. Prototype "Belly Band" wearable monitor for continuous monitoring of fetal ECG and fetal movement during the third trimester. International Stillbirth Alliance, 2017.

287. Fogelson N, Chettier R, Ward K. DNA testing to predict endometriosis: implications for referral for minimally invasive surgery. American Association of Gynecologic Laparoscopists, 2017.

287. Ward K, Argyle V. A family with over 200 women with confirmed endometriosis suggesting autosomal dominant inheritance. Society for Reproductive Investigation, 2018.

288. Albertsen HM, Chettier R, Ward K. Rare synonymous mutations show strong association with endometriosis. Society for Reproductive Investigation, 2018.

289. Chettier R, Albertsen HM, Ward K. Large effect mutations found in endometriosis genes implicated by GWAS. Society for Reproductive Investigation, 2018.

290. Ward K, Chettier RN, Argyle V. Whole exome sequencing of 137 endometriosis patients with a common ancestor in Shakespeare's England. American Society for Reproductive Medicine, 2018.

291. Ward K, Argyle V, Cederholm P, Chettier RN. Can genetic markers of endometriosis predict a patient's responsiveness to leuprolide acetate. American Society for Reproductive Medicine, 2018.

292. Ward K, Argyle V. Segregation analyses of 123 families: dominant genes commonly contribute to pathogenesis of endometriosis. American Society for Reproductive Medicine, 2018.

293. Albertsen HM, Goulielmos GN, Chettier R, Matalliotake C, Zervou MI, Matalliotaks M, Ward K. Whole exome sequencing identify hemizygous deletions in UGT2B28 and USP17L2 in a three-generation family with endometriosis. American Society for Reproductive Medicine, 2018.

294. Ward K, Chettier R, Albertsen HM. Protein-truncating mutation underlying endometriosis. Society for Reproductive Investigation, 2019.

295. Chettier R, Albertsen HM, Ward K. Mutations in METTL11B: A primer for N-terminal RCC1 methyltransferase play a role in endometriosis. Society for Reproductive Investigation, 2019.

296. Ward K, Albertsen HM, Chettier R. The genetic architecture of endometriosis. Society for Reproductive Investigation, 2019.

297. Albertsen HM, Chettier R, Ward K. Avoiding false positive results through ancestry filtering. Society for Reproductive Investigation, 2019.

298. Gammill HS, Chettier R, Brewer A, Shree R, Tsigas E, Ward K. Truncating mutations in the ECT2L and OBSCN genes are associated with preeclampsia. Society for Reproductive Investigation, 2019.

299. Ward K, Chettier R, Albertsen H. Excess germline mutations in four genes in unrelated women with surgical endometriosis. European Society of Human Reproduction and Embryology, 2019.

300. Albertsen HM, Chettier R, Ward K. Cytoskeletal and extra cellular matrix genes are key contributors in the pathogenesis of endometriosis. American Society for Reproductive Medicine, 2019.

301. Ward K, Chettier R, Albertsen HM, Morgan T, Williams T. Somatic cancer driver mutations in endometriosis lesions contribute to secondary cancer risk. American Society for Reproductive Medicine, 2019.

302. Ward K, Chettier R, Albertsen HM. Endometriosis risk allele in WNT4 may interact with rare mutations in HDAC2 gene. American Society for Reproductive Medicine, 2019.

Patents

Inventor on Juneau Biosciences Patents

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|---|---|
| U.S. Patent Applications pending | 8 |
| International Patent Applications pending | 2 |

Inventor on Axial Biotech Patents

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|---|---|
| U.S. Patent Applications pending | 11 |
| International Patent Applications pending | 4 |

Issued Patents:

United States Patent 8,123,787 Ogilvie, et al. February 28, 2012 Method of treating scoliosis using a biological implant

United States Patent 8,641,738 Ogilvie, et al. February 4, 2014 Method of treating scoliosis using a biological implant

United States Patent 8,932,993 Ward, et al. January 13, 2015 Method of testing for endometriosis and treatment therefor

United States Patent 9,370,431 Ogilvie, et al. June 21, 2016 Method of treating scoliosis using a biological implant

United States Patent 9,434,991 Ward, et al. September 6, 2016 Method of testing for endometriosis and treatment therefor

United States Patent 9,623,152 Ogilvie, et al. April 18, 2017 Method of treating scoliosis using a biological implant to scoliosis

United States Patent 9,757,152 Ogilvie, et al. September 12, 2017 Method of treating scoliosis using a biological implant

United States Patent 9,840,738 Ward, et al. December 12, 2017 Method of testing for endometriosis and treatment therefor

Oral Presentations

NAACOG Regional Conference, 1983
Salt Lake City, Utah
"Episiotomy"

Maternal Transport Workshop, 1984
Salt Lake City, Utah
"Maternal Transport"

Fairfax Ethics Symposium, 1986
Fairfax, Virginia

"Maternal Versus Fetal Rights"

University of Utah Obstetrics and Gynecology
Post-graduate Course, 1988
Park City, Utah
"DNA Technology for the Obstetrician"

University of Utah Obstetrics and Gynecology
Post-graduate Course, 1989
Park City, Utah
"The Genetics of Pregnancy Induced Hypertension"
"Court Ordered Obstetrics"

University of Utah Ethics Symposium, 1989
Salt Lake City, Utah
"Anatomy and the Child: Genetic Testing and Genetic Illness"

Utah Perinatal Association, 1989
Salt Lake City, Utah
"DNA Testing in Prenatal Diagnosis"
University of Utah Obstetrics and Gynecology

Department of Obstetrics and Gynecology Post-Graduate Course, 1990
University of Utah Health Sciences Center
Elective
"Amniotomy - Pros and Cons"
"What is your Genetics IQ?"

Third International Conference of Teratology
Information Services, 1990
Park City, Utah
"Educating Health Care Providers"
Maternal Transport Workshop, 1990
Salt Lake City, Utah
"Post-dates and Meconium"

Utah Perinatal Association, 1990
Ogden, Utah
"Court Ordered Obstetrics"

National Neurofibromatosis Foundation Clinical Care Symposium, 1990
Cincinnati, Ohio
"The NF-1 Prenatal and Pre-symptomatic Testing Project"

American Fertility Society Meeting, 1990
Washington, DC
"The New Genetics: Clinical Applications"

University of Utah Obstetrics and Gynecology
Post-graduate Course, 1991
Park City, Utah
“DNA Testing Advances for Obstetrics”

James W. Wiggins, M.D. Lectureship, 1991
Albuquerque, New Mexico
“DNA Testing: How It Will Change Your Practice”
“New Options in Cystic Fibrosis Testing”

Ogden Surgical-Medical Society, 1991
Ogden, Utah
“Screening for Genetic Diseases in OB Patients”
“DNA Technology: Changing the Practice of Medicine”

St. Mary’s Hospital Grand Rounds, 1991
Grand Junction, Colorado
“How DNA Testing is Changing Medical Practice”

March of Dimes Western Regional Meeting, 1992
Park City, Utah
“The New Genetics”
University of Utah
Pediatric Grand Rounds, 1992
Salt Lake City, Utah
“Molecular Medicine”

University of Utah Obstetrics and Gynecology
Post-graduate Course, 1992
Park City, Utah
"In the Beginning - The First Week After Conception"

March of Dimes Regional Directors Workshop, 1993
Salt Lake City, Utah
"Advances in Genetics"

University of Utah Obstetrics and Gynecology
Post-graduate Course, 1993
Park City, Utah
"Preimplantation Diagnosis"

Society for Gynecologic Investigation, 1993
Post-graduate Course
Toronto, Canada
"Gene Mapping"

Genesis Seminar, 1993
Salt Lake City, Utah
"From Prenatal to Pre-pregnancy Diagnosis"

George Washington University
A.B. Weingold and J. G. Sites Post-graduate Course, 1993
Washington, DC
"Pre-implantation Diagnosis"

Shrine Scientists' Meeting, 1993
Tampa, Florida
"Hereditary Multiple Exostoses: Genetic Studies"

Pregnancy Loss Study Group Meeting, 1993
Salt Lake City, Utah
"Genetic Causes of Pregnancy Loss: Insights from Molecular Genetics"

Advanced Life Support in Obstetrics Course, 1993
Salt Lake City, Utah
"Forcep Delivery"

Neurofibromatosis Symposium and Pediatric Grand Rounds
University of Colorado Health Sciences Center, 1993
Denver, Colorado
"Molecular Genetic Testing for Neurofibromatosis"

4th Annual Neonatal-Perinatal Retreat, 1993
Snowbird, Utah
"Genetic Engineering - where are we going?"
"Nitric Oxide - current status"

Intermountain Junior Science and Humanities Symposium, 1994
Salt Lake City, Utah
"Molecular Medicine"

Pine Ridge Conference on Genetic Approaches to Thrombosis, 1994
Snowbird, Utah
"Genetic Linkage and Association: Lessons from Preeclampsia"

Educational Development Council Meeting, 1994
University of Utah Health Sciences Center
Salt Lake City, Utah
"How Personal Knowledge of Your Genes is Changing Medicine"

Utah Mothers of Twins, 1994

Salt Lake City, Utah
"MZ or DZ: That is the Question!"

University of Utah Orthopedics Grand Rounds, 1994
Salt Lake City, Utah
"Hereditary Multiple Exostoses"

Association of Cytogenetic Technologists, 1994
San Diego, California
"New Advances in Diagnostic Molecular Genetics"

The Center for Pediatric Continuing Education, 1994
Primary Children's Medical Center
Salt Lake City, Utah
"Developmental Disorders and the New Genetics"

Family Issues Outreach Committee, 1994
Utah State University
Logan, Utah
"PIH and Genetic Research"

Visiting Professor, Department of Obstetrics and Gynecology, 1994
North Shore University Hospital
Manhasset, New York
"The Genetics of Preeclampsia"

Wisconsin Society of Obstetrics and Gynecology Meeting, 1994
Medical College of Wisconsin
LaCrosse, Wisconsin
"Beyond Chromosomes: Screening for Nonchromosomal Genetic Problems in Obstetric Practice"
"Gene Therapy"

6th Annual NICHD Aspen Conference, 1994
The Given Institute
Aspen, Colorado
"Genetic Markers for Adverse Pregnancy Outcomes"

Advanced Life Support in Obstetrics Course, 1994
Midway, Utah
"Emergency Bedside Ultrasound"

Mothers and Multiples Group, 1994
North Davis Medical Center
Layton, Utah
"Are Your Twins Identical?"

14th Annual President's Seminar, 1994
University of Utah

Salt Lake City, Utah
"DNA in the Courtroom, in Your Home, and in Your Doctor's Office"

Mother's of Twins Annual Convention, 1994
Marriott Hotel
Salt Lake City, Utah
"Twins in Genetics Research"
American Fertility Society Annual Meeting, 1994
Molecular Aspects of Human Reproduction
San Antonio, Texas
"Basic Concepts of DNA and Its Analysis"

American Fertility Society Annual Meeting, 1994
Molecular Aspects of Human Reproduction
San Antonio, Texas
"Mapping Disease Genes"

American Fertility Society Annual Meeting, 1994
Molecular Aspects of Human Reproduction
San Antonio, Texas
"Uniparental Disomy"

American Fertility Society Annual Meeting, 1994
Molecular Aspects of Human Reproduction
San Antonio, Texas
"Genes Involved in Disorders of Reproduction: Recurrent Abortion, Preeclampsia, etc."

Prenatal Diagnosis Conference, 1995
Salt Lake City, Utah
"Ken's Top Ten List"

Society of Perinatal Obstetricians Annual Meeting, 1995
Molecular Genetics for the Perinatologist
Atlanta, Georgia
"The Basics: For Beginners Only"

Society of Perinatal Obstetricians Annual Meeting, 1995
Molecular Genetics for the Perinatologist
Atlanta, Georgia
"Prenatal DNA Testing"

Society of Perinatal Obstetricians Annual Meeting, 1995
Molecular Genetics for the Perinatologist
Atlanta, Georgia
"Gene Mapping"

Society of Perinatal Obstetricians Annual Meeting, 1995
Hypertension Special Interest Group

Atlanta, Georgia
"Angiotensinogen: A Candidate Gene for Preeclampsia"

Department of Obstetrics and Gynecology Grand Rounds, 1995
University of Utah Health Sciences Center
Salt Lake City, Utah
"Sex and Molecular Genetics"

Department of Obstetrics and Gynecology Post-Graduate Course, 1995
University of Utah Health Sciences Center
Salt Lake City, Utah
"An Update in DNA Testing"

Society for Gynecologic Investigation Annual Meeting, 1995
New Molecular Developments in Reproduction Post-Graduate Course
Chicago, Illinois
"Molecular Bases for Spontaneous Abortion"

Utah Women's Health Conference, 1995
Salt Lake City, Utah
"Have you Hugged Your Genes Today?"

Invited speaker, Salt Lake Rotary Club, 1995
Salt Lake City, Utah
"The DNA Revolution"

Invited speaker, Towne Club, 1995
Salt Lake City, Utah
"What the New Genetics Means to You"

Tox Talks, 1995
Mill Valley, California
"Angiotensinogen Variants and Placental Variation: A Hypothesis"

Intermountain Pediatric Society Annual Conference, 1995
Salt Lake City, Utah
"What's New in Genetic Testing"
"Into the Future: Gene Therapy"

FHP Grand Rounds, 1995
Salt Lake City, Utah
"Prenatal Diagnosis"

Mountain States Regional Genetic Services Network, 1995
Bob McCurdy Lectureship
Steamboat Springs, Colorado
"Fetal Tissue Transplantation"
"Cancer Genetics Counseling: Preliminary Experience"

Mother's of Twins Conference, 1995
Utah Valley State College
Provo, Utah

Department of Pediatrics Grand Rounds, 1995
University of Utah Health Sciences Center
Salt Lake City, Utah
"Advances in the Genetics of Congenital Heart Malformations"

American Society of Reproductive Medicine Annual Meeting, 1995
Human Reproductive Genetics Postgraduate Course
Seattle, Washington
"Basic Concepts of DNA and Its Analysis"

American Society of Reproductive Medicine Annual Meeting, 1995
Human Reproductive Genetics Postgraduate Course
Seattle, Washington
"Mapping Disease Genes"

American Society of Reproductive Medicine Annual Meeting, 1995
Human Reproductive Genetics Postgraduate Course
Seattle, Washington
"Uniparental Disomy"

American Society of Reproductive Medicine Annual Meeting, 1995
Human Reproductive Genetics Postgraduate Course
Seattle, Washington
"Genes Involved in Disorders of Human Gestation"

Department of Obstetrics and Gynecology Grand Rounds, 1995
University of Utah Health Sciences Center
Salt Lake City, Utah
"The Genetics of Preeclampsia"

American College of Obstetricians and Gynecologists District V Annual Meeting, 1995
Kona Coast, Hawaii
"Molecular Screening: DNA for the Obstetrician"
"Preeclampsia/Genetics"

Pediatric Continuing Education Current Concepts in Transport Conference, 1996
Hilton Hotel Convention Center
Salt Lake City, Utah
"Pregnancy-Induced Hypertension"

Department of Obstetrics and Gynecology Post-Graduate Course, 1996

University of Utah Health Sciences Center
Salt Lake City, Utah
"Placental Examination: Your Best Defense"

Interdepartmental Research Seminar, March 1996
University of Utah Health Sciences Center
"Disorder of Placental Invasion"
Invited Expert
Foundation for Developmental and Medical Genetics, 1996
Tampa, Florida
"Molecular Genetics of Human Placentation"

American Society of Reproductive Medicine, 1996
What's New in Reproductive Medicine Postgraduate Course
Rancho Mirage, California
"Genetic and Environmental Causes of Embryonic Death"

American Society of Reproductive Medicine, 1996
What's New in Reproductive Medicine Postgraduate Course
Rancho Mirage, California
"DNA Diagnosis"

American Society of Reproductive Medicine, 1996
What's New in Reproductive Medicine Postgraduate Course
Rancho Mirage, California
"What's New in Molecular Genetics"

American Society of Reproductive Medicine, 1996
What's New in Reproductive Medicine Postgraduate Course
Rancho Mirage, California
"Ultrasound in the First Trimester: What to Look For"

International Fetal Medicine and Surgery Society, 1996
Capri, Italy
"Genetics of Decidual Vasculopathy"

Utah Department of Health, 1996
Pregnancy Riskline Seminar
Salt Lake City, Utah
"Mapping Birth Defects"

Utah Department of Health, 1996
3rd Annual Conference of the Disabilities Prevention Program and the Pregnancy Riskline
Snowbird Resort, Utah
"Lightning Does Strike Twice: Discovering Genetic Predispositions for Common Birth Defects"

Salt Lake Valley Women's Services, 1997
Bereavement Support Group for Fetal Death

Salt Lake City, UT
"Genetic Insights Into Fetal Death and Miscarriage"

University of California, Irvine, 1997
12th Annual Perinatal Conference at Beaver Creek
Beaver Creek, CO
"Genes from Sick Placentas"

Department of Obstetrics and Gynecology Post-Graduate Course, 1997
University of Utah Health Sciences Center
Salt Lake City, Utah
"New Developments in Genetics"

Pediatric Continuing Education Current Concepts in Transport Conference, 1997
Hilton Hotel Convention Center
Salt Lake City, Utah
"PIH, PTL, and IUGR: Different Flavors of the Sick Placenta"

Department of Obstetrics and Gynecology Grand Rounds, 1997
University of Utah Health Sciences Center
Salt Lake City, Utah
"PIH: Modern Myths and Medical Misadventures"

Advances in the Study of Congenital Heart Malformation and Syndromes, 1997
Primary Children's Medical Center
Salt Lake City, Utah
"Mapping and Cloning Genes for Congenital Heart Malformations"

Department of Family Practice Grand Rounds, 1997
University of Utah
Salt Lake City, Utah
"Practical Approach to Prenatal Testing"

Invited Expert
Preterm Birth: Etiology, Mechanisms, and Prevention, 1997
Charleston, South Carolina
"Genetic Factors in Preterm Labor"

President's Seminar, 1997
University of Utah
Salt Lake City, Utah
"Advances in Reproductive Genetics"

Invited Speaker
Washington State Obstetrical Association, 1997
Seattle, Washington
"New Genetic Tools for Obstetrics"
"Why Me? Genes for Common Diseases"

Society of Perinatal Obstetricians, 1998
Molecular Genetics Post-Graduate Course
Miami Beach, Florida
“New Molecular Insights into Teratogenesis”
“Single Cell Genetic Testing”

Department of Obstetrics and Gynecology Post-Graduate Course, 1998
University of Utah Health Sciences Center
Salt Lake City, Utah
“The Placenta Quiz”

Society for Gynecologic Investigation, 1998
Gene Mapping Post-Graduate Course
Atlanta, Georgia
“The Basics of Gene Mapping”

Department of Obstetrics and Gynecology, Grand Rounds, 1998
University of Utah Health Sciences Center
Salt Lake City, Utah
“Giving Bad News to Patients”

United Jewish Appeal Western Regional Conference, 1998
San Diego, California
“Breast Cancer Gene Testing at the University of Utah”

Salt Lake Valley Women’s Services, 1998
Bereavement Support Group for Fetal Death
Salt Lake City, Utah
“Genetic Insights Into Fetal Death and Miscarriage”

Department of Obstetrics and Gynecology
Grand Rounds, 1998
St. Mark’s Hospital
Salt Lake City, Utah
“Incompetent Cervix”

Pediatric Continuing Education Current Concepts in Transport Conference, 1998
Sun Valley Resort
Sun Valley, Idaho
"Emerging Issues in Genetics for Physicians and Nurses in Pediatrics and Obstetrics"

Pediatric Continuing Education Current Concepts in Transport Conference, 1998
Sun Valley Resort
Sun Valley, Idaho
"Prenatal Diagnosis 1998"

Department of Obstetrics, Gynecology & Reproductive Sciences, Grand Rounds, 1998

The Maryland Women's Center
Baltimore, Maryland
"Genetic Insights Into Pre-eclampsia"

Courts and the Challenge of Genetics Western States Conference, 1998
Salt Lake City, Utah
"Prenatal Genetic Testing"

University of California, Irvine, 1999
14th Annual Perinatal Conference at Beaver Creek
Beaver Creek, CO
"Why me? The Genetics of Common Diseases"

Department of Obstetrics and Gynecology Post-Graduate Course, 1999
University of Utah Health Sciences Center
Salt Lake City, Utah
"The Placenta Quiz"
"What's New in Genetics?"

29th Annual Family Practice Refresher Course, 1999
Salt Lake City, Utah
"Advances in Medical Genetics"

6th International Workshop on Fetal Genetic Pathology, 1999
Dead Sea, Isreal
"First Trimester Placental Lesions and Perinatal Morbidity"

Grand Rounds, 1999
University of North Carolina - Chapel Hill
"Genetic Insights Into Preeclampsia"

The North American Society for the Study of Hypertension in Pregnancy, 1999
Winston-Salem, NC
"Debate: HELLP Syndrome is Not a Variant of Severe Preeclampsia"
"Mapping Genes for Preeclampsia"

Tufts University Genetics Grand Rounds, 1999
Boston, MA
"Mapping Birth Defect Genes"

Annual Judicial Conference, 1999
Park City, UT
"Predispositions and DNA Testing"

Invited speaker
University of California at San Francisco Research Conference, 1999
San Francisco, CA
"Genes and Placental Disorders"

Invited speaker
Proceedings, The Placenta: Basic Sciences and Clinical Practice, 38th RCOG Scientific Study Group, Royal College of Obstetrics and Gynecology, 1999
London, England
"Inherited Thrombophilias and Placental Thrombosis"

Perinatal Research Society, 1999
Ross Products Division, Abbott Laboratories, Inc. Lecturer
Charleston, SC
"Genetic Insights into Common Pregnancy Complications"

Invited speaker
Wake Forest University School of Medicine, 1999
Advances in Physiology and Pharmacology in Anesthesia and Critical Care
White Sulphur Springs, WV
"Human Genetic Engineering"

Society for Gynecologic Investigation
Fetal Therapy Workshop, 2000
Salt Lake City, UT
"Gene Therapy and Stem Cell Transplantation"

Invited speaker
American Gynecologic Club, 2000
Deer Valley, UT
"Mapping Genes for Common Ob/Gyn Disorders"

Invited speaker
FIGO World Congress, 2000
Washington, DC
"Genetic Screening"

Invited speaker
Utah Society of Diagnostic Medical Sonographers, 2000
Salt Lake City, UT
"Don't Skip Over the Placenta"

Invited speaker
Aron E. Szulman Lecturer, 2000
Magee-Women's Hospital
Pittsburgh, PA
"Genetics of common Ob/Gyn Disorders"

Society for Gynecologic Investigation
Gene Therapy Workshop, 2000
Salt Lake City, UT
"DNA Testing, 2000"

National Society of Genetic Counselors Education Conference, 2000
Savannah, GA
“Linkage analysis for X-linked severe combined immunodeficiency disease”
“Investigation of a more comprehensive diagnostic test for congenital adrenal hyperplasia (21-hydroxolase deficiency)”

Society for Maternal-Fetal Medicine, 2001
Epidemiology Interest Group
Reno, NV
“Genetic Epidemiology”

Society for Maternal-Fetal Medicine, 2001
Post Graduate Course
Reno, NV
“Fetal Maternal Trafficking”

Society for Maternal-Fetal Medicine, 2001
NASSHP
Reno, NV
“Genetic Approaches to Preeclampsia”

NICHD Very Low Birthweight Workshop, 2001
National Institutes of Health
Bethesda, MD

24th Annual Utah Perinatal Association Conference, 2001
Salt Lake City, UT
"The High's and Low's of PIH"

Invited Speaker
NASSHP Annual Meeting, 2002
Winston-Salem, NC
"The Genetics of Preeclampsia"

Department of Obstetrics and Gynecology Post-Graduate Course, 2002
University of Utah Health Sciences Center
Salt Lake City, UT
"What's New in Genetics"
"Fetal Maternal Trafficking"

Invited Speaker
1st International Preterm Labour Congress, 2002
Montreux, Switzerland
"Genetics of Preterm Labor"

Invited Speaker
University of North Carolina - Chapel Hill, 2002

Chapel-Hill, NC
"The Human Genome Project and How It Impacts Perinatal Medicine"
"Cystic Fibrosis Screening in Pregnancy"

Invited Speaker
University of Vermont, 2002
Burlington, VT
"Genetic Screening 101: Beyond Maternal Serum Screening"
"OB Ultrasound: Don't Forget the Placenta!"

Invited Speaker
Grand Rounds, 2003
JABSOM, University of Hawaii
Honolulu, HI
"New Findings in Preeclampsia"

Invited Speaker
The 16th Annual ACOG Hawaii Section Meeting, 2003
Kauai, HI
"New Insights Into Preeclampsia"
"Genetics in Ob/Gyn"

Grand Rounds, 2003
University of Hawaii John A. Burns School of Medicine
Honolulu, HI
"Placenta's I Have Known"

University of Hawaii
Faculty Development Lectures, 2003
Kapiolani Medical Center
Honolulu, HI
"Writing a Scientific Paper"
"Writing a Scientific Abstract"
"Picking a Research Project"
"Writing a Grant"

Queen's Medical Center
Ob/Gyn Clinical Care Conference, 2003
"Magnesium Sulphate for Preeclampsia and Preterm Labor"

March of Dimes Hawaii Chapter
Kapiolani Medical Center for Women & Children
First Annual Prematurity Summit, 2004
"Research Perspective"

Perinatal Providers and Advocates Network Meeting
Department of Health, Clinical Providers Meeting
Special Focus Session, 2004
"An Update on Perinatal Genetics Research"

The Hawaii Perinatal Health Summit, 2004
Honolulu, HI
"Prematurity and Low Birth Weight"

Grand Rounds, 2004
University of Hawaii John A. Burns School of Medicine
Honolulu, HI
"Double Trouble"

Presidential Guest Speaker
Scoliosis Research Society Annual Meeting, 2004
Buenos Aires, Argentina
"Genetic Aspects of Spine Deformity"

University of Hawaii
Ethics in Biomedical Research, 2004
Honolulu, HI

Grand Rounds, 2004
Queen's Medical Center
Honolulu, HI
"Endometriosis Update"

First Annual March of Dimes Town Hall Meeting, 2004
Honolulu, HI
"The Problem of Preterm Birth in Hawaii"

Invited Speaker
District V Annual Meeting, 2004
Kohala Coast, Hawaii
American College of Obstetrics and Gynecology
"Preterm Labor Gestations, Germs, and Genes"

Medical School Advisory Board, 2004
Honolulu, HI
"Perinatal Perspectives on Human Health"

Grand Rounds, 2005
University of Hawaii John A. Burns School of Medicine
Honolulu, HI
"Town Hall Meeting"

Grand Rounds, 2005
Kaiser Permanente Hospital
Honolulu, Hawaii
"First Trimester Screening for Aneuploidy"

2005 Bioscience Symposium
John A. Burns School of Medicine
Honolulu, Hawaii
"Perinatal Research and Common Adult Diseases"

March of Dimes Hawaii Chapter
Kapiolani Medical Center for Women & Children
Second Annual Prematurity Summit, 2005
"Preterm Labor: Germs, Genes and Gestations"

Office of Medical Education
University of Hawaii, John A. Burns School of Medicine
Unit 3 Conference, 2005
"Genetics: Polycystic Ovaries"

Grand Rounds, 2005
University of Hawaii John A. Burns School of Medicine
Honolulu, HI
"Finding Disease Genes for Common Ob/Gyn Disorders"

Grand Rounds, 2005
The Queen's Medical Center
Honolulu, HI
"Obstetric Hemorrhage"

Invited Keynote Speaker
Pacific Coast Obstetrical-Gynecological Society 72nd Annual Meeting, 2005
Kauai, Hawaii
"Finding Disease Genes for Common Ob/Gyn Disorders"

Grand Rounds, 2005
The Queen's Medical Center
Honolulu, HI

Grand Rounds, 2005
The Queen's Medical Center
Department of Internal Medicine
Honolulu, HI
"Perinatal Insights into Adult Onset Diseases"

Invited Speaker

Queen's Ob/Gyn Hui and The Queen's Medical Center
High Risk Obstetrics Conference 2005
Honolulu HI
"Update in Pre-eclampsia"

Invited Speaker
Society for Gynecologic Investigation, 2005
1st International SGI Summit, Preterm Birth
Siena, Italy
"Preterm Labor: Genetic Screening"

Invited Speaker
Donald School of Ultrasound Conference, 2005
Honolulu, HI
"Fetal Skeletal Dysplasias"
"Fetal Hydrocephalus"

University of Hawaii, 2005
Genetics Lecture
Kapiolani Medical Center
Honolulu, HI
"Common Chromosomal Abnormalities"

Invited Speaker
Pan-Pacific Surgical Association 27th Congress, 2006
Honolulu, HI
"Horizons in Perinatal Care"

University of Hawaii, 2006
Cell and Molecular Biology Seminar, 2006
JABSOM, MEB
Honolulu, HI
"Mapping Genes for Adolescent Idiopathic Scoliosis"

Invited Speaker
2nd Annual Hawaii Bioscience Conference, 2006
JABSOM, MEB & Hawaii Convention Center
Honolulu, HI
"Genomics Primer"
"Population Based Mapping of Human Disease Genes"

Invited Speaker
Scoliosis Research Society, 2006
Monterey, CA
"Genetic Markers of Idiopathic Scoliosis"

Invited Speaker
Vanderbilt University, School of Medicine
Why Our Babies Die Symposium, 2006
Nashville, TN
"Prevention of Pre-Term Births: The Challenge"

NICHD Preeclampsia-A Pressing Problem Workshop, 2006
Potomac, MD
Mediator of Preeclampsia – "Genetics"

Invited Speaker
The Queen's Medical Center
Honolulu, HI
Clinical Research Conference, 2006
"Mapping Human Disease Genes"

Invited Speaker
HiBeam, JABSOM, and Vantage Counsel
The Hawaii Entrepreneurs Summit, 2006
Honolulu, HI

Invited Speaker
University of Hawaii
Masters in Clinical Research (MSCR), 2006
Honolulu, HI
"Legal & Regulatory Issues & Bioethics"

Invited Speaker
Reed Medical Education, 2006
Perspective in Women's Health
San Francisco, CA
"Putting Women's Healthcare Into Action:
From Bench to Bedside"

Invited Speaker
American College of Obstetrics & Gynecology, 2006
Hapuna Beach, HI
"Molecular Genetics for the Practicing Ob/Gyn:
What do you need to know?"
"The Future of Molecular Genetics, A Look
Beyond the Horizon"

Invited Speaker
Evidence-based OB/GYN:
Practical Application of New Advances, 2007
Honolulu, HI
"Preterm Labor Genetics"

Invited Speaker
Contemporary OB/GYN Ultrasound:
Recent Advances and Clinical Practices, 2007
Honolulu, HI
"Double Trouble"
"Molecular Ultrasound"

Invited Speaker
Society for Gynecologic Investigation, 2007
Reno, NV
"Genetic Approaches: Defining a Primary Mymometrial Pre-Term Birth Syndrome"

Invited Speaker
Grand Rounds, 2007
Kapiolani Medical Center
Honolulu, HI
"Genetic Markers for Pre-Term Birth"

CUMULINA Discussion Series, 2007
John A. Burns School of Medicine
Honolulu, HI
"Career in Medical Research"

Invited Speaker
World Symposium on Perinatal Medicine, 2007
San Francisco, CA
"Genomics: The Future of Diagnostics in Perinatal Medicine"

Invited Speaker
Grand Rounds, 2007
University of California, Irvine Medical Center
Irvine, CA
"Genetic Markers for Pre-Term Birth"

Invited Speaker
DePuySpine Round Tables in Spine Surgery, 2008
San Francisco, CA
"Prognostic Genetic Counseling for Adolescent Scoliosis"

Invited Speaker
DePuy Spine Dinner Symposium-Pioneering New Treatment Options for Adolescent Scoliosis, 2008
San Francisco, CA
"Genetics of Adolescent Idiopathic Scoliosis"

Invited Speaker
University of Kansas School of Medicine, 2008

Sterling Williams Resident Research Forum
Kansas City, Kansas
"Genetic Markers for Preterm Birth"

Invited Speaker
Annual International PREterm Birth Collaborative (PREBIC) Meeting 2009
Geneva, Switzerland
"Preterm Birth: Ancestry Informed GWAS"

Invited Speaker
2009 Summit on Personalized Health Care
Park City, Utah
"Perspective of Physician, Scientist & Entrepreneur

Invited Speaker
DePuy Symposium – Scoliosis Research Society 2009
San Antonio, Texas
"Scoliosis Research Society ScoliScore™ Symposium"

Invited Speaker
SGI 3rd International Summit – "Preeclampsia" 2009
Sendai, Japan
"Preeclampsia – Genetic Progress and Expectations"

Invited Speaker
57th Annual SGI Meeting, 2010
Orlando, FL
"Endometriosis Genome-Wide Association Study (GWAS)"

Invited Speaker
Global Issues for Preterm Birth: Epidemiology, Genetics
and Pathophysiology Updates by Preterm Birth International
Collaborative (PREBIC) and World Health Organization
Satellite Symposium 2010
Orlando, FL
"Preterm Birth-Ancestry Informed GWAS"

Invited Speaker
15th International Conference on Prenatal Diagnosis And Therapy, 2010
Amsterdam, Netherlands
"Genome Wide Analysis in Prenatal Diagnosis of Preeclampsia"

Invited Speaker
Grand Rounds, 2011
Shriners Hospitals for Children – Philadelphia

Philadelphia, PA
"DNA-Based Prognostic Testing for Adolescent Idiopathic Scoliosis"

Invited Speaker
Fourth Symposium Advances in Obstetrics and Gynaecology, 2011
Lodz, Poland
"Genetic Determinants of Preterm Birth"

Invited Speaker
2011 Salt Lake City Illumina User Group Meeting
Salt Lake City, UT
"Ancestry-Informed Genome Wide Association Studies"

Invited Speaker
Grand Rounds, 2012
University of Vermont
Burlington, VT
"Next-Gen Diagnostics in Obstetrics and Gynecology"

Invited Speaker
The No Name Society, 2014
Shelburne, VT
"Genetics of Common Perinatal Complications"

World Congress on Endometriosis, 2014
Sao Paulo, Brazil
"Genomic rearrangements (copy number variants) may play a role in the pathogenesis of endometriosis"

Invited Speaker
World Endometriosis Research Foundation, 2014
Workshop on the Clinical Utility of Biomarkers
Florence, Italy

American Society of Reproductive Medicine, 2014
Honolulu, HI
"Evolutionarily recent, exonic mutations are strong genetic risk factors for endometriosis"

American Society of Reproductive Medicine, 2014
Honolulu, HI
"Mutations in the GnRH signaling pathway are risk factors for endometriosis"

American Society of Reproductive Medicine, 2014
Honolulu, HI
"Next generation sequencing of families with endometriosis identifies new genomic regions likely to contribute to heritability"

American Society of Reproductive Medicine, 2014

Honolulu, HI
"Rare mutations in Wnt signaling pathways are risk factors for endometriosis"

American Society of Human Genetics, 2015
Baltimore, MD
"NLRP2: A paternally imprinted gene implicated in innate immunity and blastocyst development has a major effect on endometriosis"

American Society of Reproductive Medicine, 2016
Endometriosis Association Panel Discussion
Salt Lake City, UT
"Genetic blueprints for development of endometriosis"

13th World Congress on Endometriosis, 2017
Vancouver, BC Canada
"Progress toward development of a non-invasive predictor for endometriosis"

Northside Hospital
Heart of the Matter Conference, 2017
Atlanta, GA
"Cardiovascular Genetics: Aortic Diseases, Congenital Heart Defects, and the Role of Cardiologist, Obstetrician, and Geneticist"
"Genetics of Preeclampsia"

2017 International Stillbirth Alliance Conference
Cork, Ireland
"Prototype "Belly Band" Wearable Monitor for Continuous Monitoring of Fetal ECG and Fetal Movement During the Third Trimester"

ASRM 2018 Scientific Congress
Denver, CO
"Can Genetic Markers of Endometriosis Predict a Patient's Responsiveness to Leuprolide Acetate?"

2019 Society for Reproductive Investigation 66th Annual Scientific Meeting
Paris, France
"Mutations in METTL11B: A Primer for N-Terminal RCC1 Methyltransferase Play a Role in Endometriosis"