



MURIEL BOWSER
MAYOR

July 12, 2022

The Honorable Phil Mendelson, Chairman
Council of the District of Columbia
John A. Wilson Building
1350 Pennsylvania Avenue, NW, Suite 504
Washington, DC 20004

Dear Chairman Mendelson:

In accordance with section 2 of the Confirmation Act of 1978, effective March 3, 1979 (D.C. Law 2-142; D.C. Official Code § 1-523.01), and pursuant to section 12 of the Department of Forensic Sciences Establishment Act of 2011, effective August 17, 2011 (D.C. Law 19-18; D.C. Official Code § 5-1501.11), I am pleased to nominate the following individual:

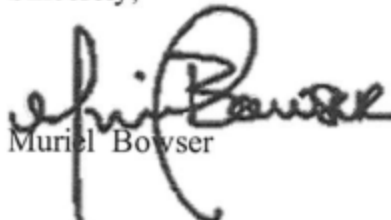
Dr. Tracey Dawson Green
Liesfeld Pond Drive
Glen Allen, VA 23059

for appointment to the Science Advisory Board as a forensic scientist not currently employed by the Department or by a law enforcement laboratory or agency that provides forensic science services to the District member of the Board, replacing Robert Thompson, to serve the remainder of an unexpired term ending November 26, 2024.

Enclosed you will find biographical information detailing the experience of the above-mentioned nominee, along with a proposed resolution to assist the Council during the confirmation process.

I would appreciate the Council's earliest consideration of this nomination for confirmation. Please do not hesitate to contact me, or Steven Walker, Director, Mayor's Office of Talent and Appointments, should the Council require additional information.

Sincerely,


Muriel Bowser



Chairman Phil Mendelson
at the request of the Mayor

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6 A PROPOSED RESOLUTION
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9 IN THE COUNCIL OF THE DISTRICT OF COLUMBIA
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16 To confirm the appointment of Dr. Tracey Dawson Green to the Science Advisory Board.

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18 RESOLVED, BY THE COUNCIL OF THE DISTRICT OF COLUMBIA, That this resolution
19 may be cited as the "Science Advisory Board Tracey Dawson Green Confirmation Resolution of
20 2022".

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22 Sec. 2. The Council of the District of Columbia confirms the appointment of:

23
24 Dr. Tracey Dawson Green
25 Liesfeld Pond Drive
26 Glen Allen, VA 23059
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28 as a forensic scientist not currently employed by the Department or by a law enforcement
29 laboratory or agency that provides forensic science services to the District member of the
30 Science Advisory Board, in accordance with section 12 of the Department of Forensic Sciences
31 Establishment Act of 2011, effective August 17, 2011 (D.C. Law 19-18; D.C. Official Code § 5-
32 1501.11), replacing Robert Thompson, to serve the remainder of an unexpired term ending
33 November 26, 2024.

34 Sec. 3. The Council of the District of Columbia shall transmit a copy of this resolution,
35 upon its adoption, to the nominee and to the Office of the Mayor.

36 Sec. 4. This resolution shall take effect immediately.

Tracey Dawson Green[^]



Education

Ph.D. Molecular and Cellular Pathology
Department of Pathology and Laboratory Medicine
School of Medicine
University of North Carolina
Chapel Hill, North Carolina
1995 - 1999

B.S. Microbiology
B.S. Zoology
cum laude graduate
North Carolina State
University Raleigh, North
Carolina
1991 - 1995

Professional Experience

Chair, 2019 - present

Department of Forensic Science, Virginia Commonwealth University

- Chief administrator for the Department
- Develop strategic plans for the Department, including curriculum expansion, facilities & personnel growth, & revenue generation
- Responsible for implementing policies, promoting harmony, fostering teaching & research excellence, & nurturing career development of faculty & staff.
- Prepare annual reviews & recommend raises for 13+ full-time faculty & staff
- Determine teaching & committee assignments, including program directors & Assoc. Chair
- Prepare budgets and oversee all financial & facilities matters
- Serve as the Department's liaison to the Dean of the College of Humanities & Sciences
- Oversee accreditation processes
- Coordinate and manage hiring processes
- Represent VCU & Department at local, national, & international forensic science events
- Pandemic response planning

Professor, 2018 - present

Associate Professor, 2009-2018

Assistant Professor, 2003-2009

Graduate Program Director (Forensic Science), 2005-2015

Virginia Commonwealth University, Departments of Forensic Science and Biology

- As Director of Graduate Studies – responsible for oversight of the M.S. program in Forensic Science, FEPAC accreditation, graduate admissions, curriculum

- development, and recruitment of prospective students
- Lead international search committees for tenure-track faculty and chairperson
- Advise undergraduate & graduate students in the Forensic Molecular Biology Concentration on coursework, research internships, and research projects
- Advise/ Mentor undergraduate & graduate (MS & PhD) students through development and design of independent research & thesis projects
- Manage the Forensic Molecular Biology laboratory, including grant management, training, maintenance for all associated equipment, and supervision of all students & staff
- Participating faculty member of Molecular Biology & Genetics program
- Developed (2004-2005) and revise Department by-laws and promotion & tenure guidelines documents
- Provide academic service to VCU community by serving as the Forensic Sciences library coordinator, leading the Graduate Admissions committee, serving on Forensic Sciences Awards/Budget/By-laws committees, Dean's Graduate Academic Committee, and the Accreditation committee
- Teach "Intro to Forensic Sciences I", "Criminalistics & Crime Analysis Lab", and "Forensic Molecular Biology" (Lecture & Lab course), Forensic Science Seminar, "DNA, Drugs, & the Law", "Introduction to Forensic Serology & DNA Analysis", "Advanced Forensic DNA Analysis", "Emerging Molecular Applications for Forensic Biology", and "Professional Practices in Forensic Science"
- Current Research: Improving methods for microchip design for forensic modular microchip systems, New methods for separation of epithelial/sperm cell mixtures, Discovery & method development for analysis of biomarkers for prediction of donor age & stature; Recovery of human & non-human DNA from environmental samples; WGA enhancement, collection, & DNA extraction strategies for touch DNA; Pre-STR amplification detection of mixtures

Interim Laboratory Director (off-site), Fairfax Identity Laboratories/MitoTyping Technologies, Health Network Laboratories, 2016 - 2017

- Oversee relationship and forensic DNA testing operations
- Actively participated in company management, including lab and administrative staffing, client relations, lab-related cost-benefit analyses, budgeting, training, accreditation, lab renovation, and implementation & revision of quality assurance and safety programs
- Review & signing of paternity & immigration casework including complex relationship studies
- Data review, technical review, & reporting of forensic DNA casework

Forensic DNA Consultant, 2002-present

- Serve as off-site (AABB, ASCLD/LAB required) Laboratory Director for relationship and forensic DNA testing laboratory
- Develop and deliver classroom training programs for forensic DNA and serology, including DNA extraction/quantitation, PCR, STR biology, capillary electrophoresis, STR genotyping, population stats, STR mixture data interpretation, QC/validation, forensic serology, Y-STR Analysis, and Expert Testimony for DNA analysts and serologists
- Serve as technical consultant for state DNA Databanking/forensic casework lab
- Design and teach Forensic Science educational workshops for law enforcement, laboratory personnel, and high school science teachers

- Independent technical/administrative reviews of CODIS data, forensic casework, and paternity/relationship testing casework
- Assist with laboratory design, design of validation studies for new robotic platforms and PCR setup procedures, validation data analysis and summary preparation, preparation of annual audit materials, preparation of standard operating procedures, and reorganization of sample flow and processing
- Assist with forensic laboratory planning, marketing strategies, and lab training program development & curriculum design

Visiting Assistant Professor, George Washington University, Department of Forensic Sciences, 2002-2003

- Advised approximately 30 students in the Forensic Molecular Biology Concentration on coursework, research internships, and research projects
- Advised 4 thesis students through development and design of projects
- Managed the Forensic Molecular Biology laboratory, including training and maintenance for all associated equipment
- Represented Department on the GWU Institutional Research Safety Committee
- Taught “Biological Aspects of Forensic Sciences”, “Forensic Serology”, and “DNA Profiling” (Lecture course and laboratory course)
- Research: Reduced volume PCR reactions for ABI Identifiler, Profiler Plus, and COfiler kits; Alternative procedures for mtDNA analysis using single-primer PCR methods

Assistant Director & Molecular Biologist, Fairfax Identity Laboratories, Genetics and IVF Institute, 1999-2002

- Managed of Convicted Offender DNA Databanking laboratory; Assisted in technical review of casework for Forensic, paternity, and kinship studies laboratories; Directed the work of 20 analyst-level scientists; served as DAB-qualified CODIS Analyst
- Designed experimental studies for the development and validation of new methodologies, software, and instrumentation (including ABI 310, ABI 377, & ABI 3100 DNA analyzers)
- Consulted with and assisted the Institute’s DNA Diagnostic and Infectious Disease laboratories in new test development/validation, and high-throughput testing
- Proposed and implemented streamlining procedures for high-throughput DNA genotyping of Convicted Offenders (increasing from a capacity of approximately 20,000 samples to 150,000 samples per year)
- Actively participated in company management, including lab and administrative staffing, NIJ grant management, client relations, budget development, client relations, lab-related cost-benefit analyses, and implementation of Quality Assurance and Safety programs
- Provided computer support, including hardware/software updates and installations; PC & Macintosh maintenance and minor repairs (of 30 and 15 machines, respectively); database design and management; database modification; purchasing and inventorying all computer equipment and supplies; monitoring client and server backups; troubleshooting network problems; company liaison to outside consulting firms
- Trained as an expert witness for court testimony in DNA identity cases

Adjunct Assistant Professor, Northern Virginia Community College- Loudoun Campus, Natural & Applied Sciences Division, 2001 - 2002

- Served as Professor for Biology 101, covering introductory topics of scientific method,

enzyme kinetics, simple/ facilitated diffusion, active transport, reproductive genetics, and simple inheritance patterns

- Lead 2-3 laboratory sections per semester teaching students hands-on lessons in fruit-fly inheritance studies, spectrophotometers for development of absorption spectrum/ standard curve, fermentation (metabolic pathways), osmosis in plant/animal cells, and active transport in yeast cells

Research Assistantship, Department of Pathology and Laboratory Medicine, University of North Carolina-Chapel Hill, 1995 – 1999

Principal Investigators: Drs. Nobuyo Maeda & Oliver Smithies*

*2007 Nobel Prize in Medicine & Physiology Recipient

- Project 1: Role of chemokines and other chronic inflammatory mediators in the pathogenesis of atherosclerosis in apolipoprotein E-deficient mice
- Project 2: Production and characterization of genetically targeted “knock-out” mice, including mice which are deficient in either CCR2, CCR5, or DARC
- Proficiencies: Southern blot analysis, Northern blot analysis, PCR, RT-PCR, RFLP, DNA isolation, RNA isolation, sequence analysis, RNase Protection assay, quantitative PCR & RT-PCR, gene cloning, flow cytometry, viral load quantitation, bacterial transformation, gross and histopathological analysis, cytological preparations, lipid quantitation, immunohistochemistry, animal necropsy, tissue culture, biostatistical analysis
- Responsible for the hiring, training, and day-to-day supervision of several part-time and full-time lab technicians who assisted in the aforementioned projects

Teaching Assistantship, Department of Pathology and Laboratory Medicine, School of Medicine, University of North Carolina, 1996

Lead Professor: Dr. Frank Church

- TA for “Introduction to Pathology” course in first year medical school curriculum

Teaching Assistantship, Department of Biochemistry, North Carolina State University, 1995

Lead Professor: Dr. Joseph C. Hall

- TA for undergraduate course, “Introduction to Biochemistry”
- Organized and led problem sessions and tutored students

Student Research Associate, Department of Microbiology, North Carolina State University, 1994 – 1995

Principal Investigator: Dr. Walter J. Dobrogosz

- Honor’s Research Project: Optimal conditioning for tissue isolation and *in vitro* growth of *Lactobacillus reuteri*
- Proficiencies: media preparation, dissection, traditional microscopy, video microscopy, bacterial isolation, anaerobic bacterial growth, embedding, fixing, cutting, and staining tissues

Grants Funded

- National Institute of Justice, Research and Evaluation for the Testing and Interpretation of Physical Evidence in Publicly Funded Forensic Laboratories (\$399,699), 2020-2021. “Towards Commercialization: Preliminary developmental validation of a high resolution melt curve mixture prediction assay and SVM tool” (PI)

- VCU Quest for Innovation Commercialization Fund Award (\$25,000), 2019-2020. “Developmental validation of an updated rotational microdevice platform for separation and amplification of contributor DNA from sexual assault samples” (PI)
- VCU College of Humanities & Sciences, 2018 Faculty Council Research & Professional Development Grant (\$750), 2018-2019. “Application of optical tweezers for cell separation of forensic evidence” (Co-PI)
- VCU College of Humanities & Sciences, Seed Award (\$5,000), 2018-2019. “Utility of optical tweezers for cell separation of forensic evidence” (Co-PI)
- National Institute of Justice, Research & Development in Forensic Science for Criminal Justice Purposes (basic research) (\$676,460), 2017-2019 “A rotational platform-driven microdevice for differential purification and amplification of sexual assault forensic samples” (PI)
- VCU Quest for Innovation Commercialization Fund Award (\$40,000), 2016-2017 “A rotational platform-driven microdevice for differential separation, purification, & amplification of sexual assault” (PI)
- National Institute of Justice, Basic Research (\$321,328), 2016-2017 “qPCR-Genotype determination & mixture detection using high resolution melting curve analysis of STR loci” (PI)
- National Institute of Justice, Basic Research (\$255,047), 2015-2016 “Methods for obtaining STR-quality touch DNA from archived fingerprints” (PI)
- National Institute of Justice (\$385,386), 2014-2015 “DNA Profiling of Complex Biological Mixtures using HLA-Antibody Probes and Fluorescence Activated Cell Sorting” (co-PI)
- National Institute of Justice & The Forensic Science Foundation, Lucas Research Grant (\$3,000), 2013-2014 “Prototype Development of a Forensic Microdevice on a Centrifugal Platform & Integration of a ‘Pinwheel’ Quantitation Module” (PI)
- National Institute of Justice & The Forensic Science Foundation, Forensic Science Student Research Grant (\$7,000), 2012-2013 “An Integrated Microdevice for DNA Extraction and Amplification of Forensic Samples using Infrared-mediated heating and centrifugal forces” (Mentor/PI)
- National Institute of Justice & Forensic Science Foundation, Forensic Science Student Research Grant (\$7,000), 2012-2013 “Development of a Scorpion-based multiplex qPCR assay for pre-screening mixture detection” (Mentor/PI)
- National Institute of Justice, Forensic DNA R & D Research Grant 2005-DA-BX-K002 (\$225,616), 2006-2008 “Development and Evaluation of a Whole Genome Amplification Method for Accurate Multiplex STR Genotyping of Compromised Forensic Casework Samples” (PI)

Awards

- Journal of Forensic Science, Top 10 articles downloaded for 2018 for J Forensic Sci. 63(1):47-57.
- VCU College of Humanities & Sciences, Faculty Scholarship Recognition Award, 2015, 2016, 2017, 2018
- VCU, Omicron Delta Kappa, Faculty Recognition Award, 2016
- FSF/AAFS Emerging Forensic Scientist Award (Mentor of awardee Whitney Simpson), 2015
- Mid-Atlantic Association of Forensic Scientists, Professional Development Award (\$1,996), 2013-2014

- Virginia Commonwealth University, College of Humanities & Sciences, Tenure Granted & Promotion to Associate Professor, 2009
- American Society of Hematology Post-Doctoral Abstract Award, 1999
- Keystone Symposia on Molecular and Cellular Biology Travel Award, 1999
- Graduate Student Research Award, Department of Pathology and Laboratory Medicine, School of Medicine, University of North Carolina-Chapel Hill, 1999
- American Society of Investigative Pathology Student Travel Award, 1998
- *cum laude* graduate, North Carolina State University, 1995
- North Carolina State University, College of Agriculture and Life Sciences Honor's Program graduate, 1995
- Dean's List, North Carolina State University, 1991-1995
- Academic-Athletic Scholarship, Department of Athletics, North Carolina State University, 1991 - 1994

Patents

CRU-16-033, Serial #62/455,691 (Patent filed April, 2018)

Title: A rotational platform-driven microdevice for differential separation, purification, and amplification of sexual assault forensic samples

Publications

In Preparation or Review:

1. Woodson ME, Gibson AKK, Cox JO, Krauss S, Li J, Landers JP, **Dawson Cruz T**. A Microchip module for antibody-mediated differential separation of non-seminal male/female mixtures from sexual assault samples. (*in preparation*).
2. Cloudy DC, Boone E, Kuehnert KL, Cox JO, Williams SJ, **Dawson Cruz T**. Statistical methods for discrimination of STR genotypes using high resolution melt curve data. Intl J Leg Med. (*in preparation*).
3. Wines HE, Oliver LC, Cox JO, Cloudy DC, Seashols-Williams SJ, Bille T, Boone EL, **Dawson Cruz T**. Integration of a high resolution melt curve STR assay into a commercial quantification kit for preliminary mixture detection— getting more information earlier in the DNA workflow. Intl J Leg Med. (*in preparation*).
4. Diester CM, **Dawson Cruz T**, Rivera M, Brown B, Seashols Williams S. The Evaluation of a Nanopore Sequencing Platform for Concordance and Reliability in Short Tandem Repeat (STR) Analyses. (*in preparation*).
5. Brown KL, Davis CP, Pavlova VR, Illescas MJ, **Dawson Cruz T**. An evaluation of dcDOP-PCR for the analysis of mock and non-probative forensic casework samples. Legal Med. (*in revisions*).
6. Illescas MJ, Dean HE, Davis CP, **Dawson Cruz T**. Use of alternative light sources for detection of touch DNA and recovery from porous and nonporous substrates. Forensic Sci Intl. (*in preparation*).
7. Zeller S, **Dawson Cruz T**, Brown BL, Singh B. Evaluation of DNA Extraction Methods for Recovery of Human DNA from Maggot Crop Content for STR Analysis. Forensic Sci Intl. (*in preparation*).
8. Testerman CN, Correia Y, Gibson AKK, Cox JO, Jackson KR, Lander JP, **Dawson Cruz T**. Antibody-mediated separation of seminal male/female mixtures from sexual assault samples. Forensic Sci Intl Genet. (*in preparation*).

Published or In-Press:

1. Smith CJ, Cox JO, Rhodes C, Lewis C, Koroma M, Hudson BC, **Dawson Cruz T**, Seashols-Williams SJ. (2021) Comparison of DNA typing success in compromised blood and touch samples based on sampling swab composition. J. Forensic Sci; DOI: 10.1111/1556-4029.14694
2. Cooley AM, Meiklejohn KA, Damasco N, Robertson JM, **Dawson Cruz T**. (2021) Comparison of the Performance of the Ion PGM™ and Ion GeneStudio S5™ Massively Parallel Sequencing (MPS) Machines Using a Single Nucleotide Polymorphism (SNP) Panel for Ancestry. SLAS Technol 26(1): 103-112.
3. Hudson BC, Cox JO, Seashols-Williams SJ, **Dawson Cruz T**. (2020) The effects of dithiothreitol (DTT) on fluorescent qPCR dyes. J Forensic Sci 66(2):700-708. DOI: 10.1111/1556-4029.14637.
4. Menchhoff SI, Solomon AD, Cox JO, Hytinen ME, Miller MT, **Dawson Cruz T**. (2020) Effects of storage time on DNA profiling success from archived latent fingerprint samples using an optimized workflow. Forensic Sci Research; DOI: 10.1080/20961790.2020.1792079.
5. Joy J, Cox JO, Hudson BC, Armstrong J, Miller MT, **Dawson Cruz T**. (2020) Comparison of cyanoacrylate fuming techniques of bloody and latent fingerprints and the examination of subsequent DNA success. J Forensic Ident 70(2):171-185.
6. Menchhoff SI, Delacruz MT, Hytinen ME, Cox JO, Miller MT, **Dawson Cruz T**. (2020) DNA purification cell lysis and wash step modifications for low-template DNA sample processing. J Forensic Sci;65(2):597-600.
7. Goldstein MC, Cox JO, Seman LB, **Dawson Cruz T**. (2019) Improved resolution of mixed STR profiles using a fully automated differential cell lysis/DNA extraction method. Forensic Sci Research; DOI: 10.1080/20961790.2019.1646479.
8. Layne T, Green RA, Lewis CA, Nogales F, **Dawson Cruz T**, Zehner ZE, Seashols-Williams SJ (2019). microRNA detection in blood, urine, semen, and saliva stains after compromising treatments. J Forensic Sci 64(6):1831-1837.
9. Auka N, Valle M, Cox BD, Wilkerson PD, **Dawson Cruz T**., Reiner JE, Seashols-Williams SJ (2019). Optical tweezers as an effective tool for spermatozoa isolation from mixed forensic samples. PLoSone 14(2):e0211810.
10. Morales-Colon E, Hernandez M, Candelario M, Melendez M, **Dawson Cruz T**. (2018). Evaluation of a freezer mill for bone pulverization prior to DNA extraction: an improved workflow for STR analysis. J Forensic Sci. 63(2):530-535.
11. Solomon AD, Hytinen ME, McClain AA, Miller MT, **Dawson Cruz T** (2018) An optimized DNA analysis workflow for the sampling, extraction, and concentration of DNA obtained from archived latent fingerprints. J Forensic Sci. 63(1):47-57.
12. Hytinen ME, Solomon AD, Miller MT, **Dawson Cruz T** (2017) Methods for Obtaining high quality touch DNA from a nonporous surface after latent fingerprint collection. J. Forensic Ident 67(1):71-84.
13. Cox JO, Sikes T, Connon C, Jackson K, Ouyang Y, Strachan B, Nelson D, Thompson B, Sloane H, Landers JP, **Dawson Cruz T**. (2016) A novel, integrated forensic microdevice on a rotation-driven platform: buccal swab to PCR product in less than two hours. Electrophoresis 37(23-24):3046-3058.
14. Dean L, Kwon YJ, Philpott MK, Stanciu CE, Seashols-Williams SJ, **Dawson Cruz T**, Sturgill J, Ehrhardt CJ. (2015) Separation of uncompromised whole blood mixtures for single source STR profiling using fluorescently-labeled human leukocyte antigen (HLA) probes and fluorescence activated cell sorting (FACS). Forensic Sci Int Genet 17:8-16.
15. Thomas JT, Berlin RM, Barker JB, **Dawson Cruz T**. (2013) Qiagen's Investigator

- Quantiplex Kit as a predictor of STR amplification success from low yield DNA samples. J Forensic Sci. 58(5):1306-1309.
16. Saeed M, Berlin RM, **Dawson Cruz T.** (2012) Exploring the Utility of Genetic Markers for Predicting Biological Age. Legal Med. 14:279-285.
 17. Davis CP, Illescas M, Tirado C, Lopez R, Budowle B, **Dawson Cruz T.** (2012) A Case of Amelogenin Y-null: A simple primer binding mutation or unusual genetic anomaly? Legal Med. 14:320-323.
 18. Huang CJ, Stewart JK, Franco RL, Evans RK, Lee ZP, **Dawson Cruz T,** Webb HE, Acevedo EO. (2011) LPS-stimulated tumor necrosis factor-alpha and interleukin-6 mRNA and cytokine responses following acute psychological stress. Psychoneuroendocrinology 36:1553-1561.
 19. Davis CP, Chelland L, Pavlova VR, Illescas MJ, Brown KL, **Dawson Cruz T.** (2011) Multiplex STR amplification of low template DNA samples with the addition of proofreading enzymes. J Forensic Sci 56(3):726-732.
 20. Kester KM, Toothman MH, Brown BL, Street S, and **Dawson Cruz T.** (2010) Recovery of Environmental Human DNA by Insects. J Forensic Sci 55(6):1543-51.
 21. Geronimus AT, Hicken MT, Pearson JA, Seashols SJ, Brown KL, **Dawson Cruz T.** (2010) Do US black women experience stress-related accelerated biological aging? Human Nature 21:19-38.
 22. Brenzovich J, Macey M, Fernando J, Chong HJ, Barnstein B, Mirmonsef P, Morales JK, Kimura A, **Cruz TD,** Ryan JJ. (2009) IgE signaling suppresses FcepsilonRIbeta expression. J Leukocyte Biology 86(6):1351-8.
 23. Bonnette MD, Pavlova VR, Rodier DN, Thompson LP, Boone EL, Brown KL, Trevino MB, Meyer KM, Champagne JR, and **Dawson Cruz T.** (2009) dcDegenerate Oligonucleotide Primed-PCR for Multi-Locus, Genome-wide Analysis from Limited Quantities of DNA. Diagn Mol Pathol 18(3):165-175.
 24. Linch CA, Champagne JR, Bonnette MD, and **Dawson Cruz T.** (2009) Specific Melanin Content in Human Hairs and Mitochondrial DNA Typing Success. Am J Forensic Med Pathol 30(2):162-166.
 25. Cupples CM, Champagne JR, Lewis KE, and **Dawson Cruz T.** (2009) STR Profiles from Samples with "Undetected" or Low Quantifiler Results. J Forensic Sci 54(1):103-107.
 26. Tamguney G, Giles K, Glidden DV, Lessard P, Wille H., Tremblay P, Groth DF, Yehiely F, Korth C, Moore RC, Tatzelf J, Rubenstein E, Boucheix C, Stanley P, Lisanti MP, Dwek A, Rudd PM, Sisodia SS, Moskovitz J, Epstein CJ, **Cruz TD,** Kuziel WA, Maeda N, Sap J, Ashe KH, Carlson GA, Tesseur I, Wyss-Coray T, Mucke L, Weisgraber KH, Mahley RW, Cohen FE, and Prusiner SB. (2008) Genes Contributing to Prion Pathogenesis. J Gen Virol 89:1777-1788.
 27. Toothman MH, Kester KM, Champagne J, **Dawson Cruz T,** Street S, and Brown BL. (2008) Characterization of Human DNA in Environmental Samples. Forensic Sci Int 178:7-15.
 28. Coy KL, Lewis KE, Fulmer A, Hudson A, and **Dawson Cruz T.** (2005) Obtaining Typable DNA from Bloodstains that Serologically Test Negative. JFI 55(5):633-643.
 29. Yamagami S, Hamrah P, Miyamoto K, Miyazaki D, Dekaris I, **Dawson T,** Bao L, Gerard C, and Dana MR. (2005) CCR5 Chemokine Receptor Mediates Recruitment of MHC Class II-Positive Langerhans Cells in the Mouse Corneal Epithelium. Inv Opth Vis Sci 46(4):1201-1207.
 30. Kuziel WA, **Dawson TC,** Quinones M, Garavito E, Chenuaux G, Ahuja SS, Reddick RL, and Maeda N. (2003) CCR5 Deficiency is Not Protective in the Early Stages of Atherogenesis in ApoE Knockout Mice. Atherosclerosis 167(1):25-32.
 31. Swardson-Olver C, **Dawson TC,** Burnett RC, Maeda N, Peiper S, and Avery A. (2002) Plasmodium Yoelii uses the Murine Duffy Antigen-Receptor for Chemokines as a Receptor

- for Normocyte Invasion and an Alternative receptor for Reticulocyte Invasion. Blood 99(8):2677-2684.
32. Andres TG, Beck PL, Mizoguchi E, Mizoguchi A, Bhan AK, **Dawson T**, Kuziel WA, Maeda N, MacDermott RP, Podolsky DK, and Reinecker HC. (2000) Mice with a Selective Deletion of the CC Chemokine Receptors 5 or 2 are Protected from Dextran Sodium Sulfate-Mediated Colitis: Lack of CC Chemokine Receptor 5 Expression Results in a NK1.1+ Lymphocyte-Associated Th2-Type Immune Response in the Intestine. J Immunol 164(12):6303-6312.
 33. Bush E, Maeda N, Kuziel WA, **Dawson TC**, Wilcox JN, DeLeon H, and Taylor WR. (2000) CC Chemokine Receptor 2 Is Required for Macrophage Infiltration and Vascular Hypertrophy in Angiotensin II Induced Hypertension. Hypertension 36(3):360-363.
 34. **Dawson TC**, Lentsch AB, Wang Z, Cowhig JE, Rot A, Maeda N, and Peiper SC. (2000) Exaggerated Response to Endotoxin in Mice Lacking the Duffy Antigen/Receptor for Chemokines (DARC). Blood 96(5):1681-1684.
 35. **Dawson TC**, Beck MA, Kuziel WA, Henderson F, and Maeda N. (2000) Contrasting Effects of CCR5 and CCR2 Deficiency in the Pulmonary Inflammatory Response to Influenza A Virus. Am J Pathol 156(6):1951-1959.
 36. **Dawson TC**, Kuziel WA, Osahar TA, and Maeda N. (1999) Absence of CC Chemokine Receptor-2 Reduces Atherosclerosis in Apolipoprotein E-Deficient Mice. Atherosclerosis 143(1):205-211.
 37. Kuziel WA, Morgan SJ, **Dawson TC**, Griffin S, Smithies O, Ley K, and Maeda N. (1997) Severe Reduction in Leukocyte Adhesion and Monocyte Extravasation in Mice Deficient in CC Chemokine Receptor 2. Proc Natl Acad Sci USA 94(22):12053-12058.

Invited Books, Book Chapters, and Book Reviews:

1. **Dawson Cruz T**. (2012) Review of: *Advanced Topics in Forensic DNA Typing: Methodology, 1st ed.* J Forensic Sci. 57(5):1412-1413.
2. **Dawson Cruz T**. (2011) Review of: *An Introduction to Forensic Genetics, 2nd edition.* J Forensic Sci 56(6):1680-1681.
3. **Dawson Cruz T**. (2005) *Chapter in Molecular Diagnostics For the Clinical Laboratorian, 2nd ed.*, Humana Press. Chapter 40, "Molecular Analysis for Forensic Casework and Parentage Testing".

Other Published Abstracts:

1. Chun-Jung HH, Stewart JK, Franco RL, Evans RK, Lee ZP, **Dawson Cruz T**, Acevedo EO, Webb H (2010): Lipopolysaccharide-stimulated tumor necrosis factor-alpha and interleukin-6 cytokine and mRNA expression following acute psychological stress. Med Sci Sports Exerc 42(5):797.
2. Sabato FM, Annang TN, Juusola JS, Ezedi I, Wilkinson DS, **Dawson Cruz T**, Mas VR, Ferreira Gonzalez A (2010) Evaluation of DNA extraction methods for formalin fixed paraffin embedded tissue and their impact on whole genome amplification and downstream analysis. J Mol Diagn 12(6):908.
3. Swardson-Olver CJ, **Dawson TC**, Maeda N, Peiper SC, Burnett RC, Avery AC (2000) The murine Duffy glycoprotein is important for invasion of normocytes but not reticulocytes. Blood 96(11):592A.
4. Andres PO, Beck PL, Mizoguchi E, Mizoguchi A, Bhan aAK, **Dawson T**, Kuziel WA, Maeda N, MacDermott RP, Podolsky DK, Reinecker HC (2000) Mice with a selective deletion of the chemokine receptors CCR5 or CCR2 are protected from DSS-mediated colitis: Lack of CCR5 expression results in the TH2type immune response in the intestine. Gastroenterology 118(4):A686.
5. **Dawson TC**, Maeda N, Wang ZX, Rot A, Peiper SC (1999) Evaluation of the

pathophysiological role of the Duffy blood group antigen: Generation and characterization of DARC deficient mice. Blood 94(10):369A.

6. **Dawson TC**, Beck MA, Kuziel WA, Maeda N (1999) Chemokine regulation of the cellular response to influenza A virus. FASEB J 13(5):A819.
7. Thomas DW, Kuziel W, Mannon RB, **Dawson T**, Bustos M, Platt J, Coffman TM (1997) Expression of the CC chemokine receptor 2 (CCR2) on donor tissue promotes allograft rejection. Clin J Am Soc Nephrol. 8:A3111.

Professional Positions & Activities

Professional Societies

- American Academy of Forensic Sciences, Fellow - Criminalistics, 2004 – present
- International Society for Forensic Genetics, Member, 2009 - present
- International Association for Identification, Associate member, 2004 - present
- American Society of Crime Laboratory Directors, Academic Affiliate member, 2004 - present
- Mid-Atlantic Association of Forensic Scientists, Distinguished Member, 2002 - present
- Council of Forensic Science Educators, Full Member, 2015 – present
- Grace E. Harris Leadership Institute, VCU Leadership Development Program, Graduate, 2019
- American Society for Investigative Pathology, Member, 1998 - 2001
- American Association for the Advancement of Science, Member, 1997 – 2000

Positions

- ASCLD Forensic Research Committee, Member, 2019 – present
- ASCLD Training & Education Committee, Member, 2020 – present
- Mid-Atlantic Association of Forensic Scientists, By-Laws Committee Co-Chair, 2013 – present
- DNA Consensus Body, AAFS Standards Board, Member, 2018 – 2020
- Forensic Science Education Programs Accreditation Commission (FEPAC), Commissioner, 2012 - 2018
- North Carolina Forensic Science Advisory Board Member, 2012 – present
- ASCLD Forensic Research Committee Member, 2011 – present
- Journal of Forensic Science, Editorial Board Member, 2009 – present
- New York State Department of Health, Clinical Laboratory Director for Forensic DNA & Parentage/Identity testing, 2002 – present
- Faculty Senate, Virginia Commonwealth University, Senator, 2015-2018
- Mid-Atlantic Association of Forensic Scientists, President, 2012-2013
- Mid-Atlantic Association of Forensic Scientists, President-Elect, 2011-2012
- Mid-Atlantic Association of Forensic Scientists, Biology Section Chair, 2008-2009, 2010-2011
- UNC Chancellor's Child Care Advisory Board, Representative, 1998 – 1999
- UNC Committee on Community and Diversity, Representative, 1998 – 1999
- UNC Graduate and Professional Student Federation, Senator, 1998 – 1999

Activities

- Journal of Forensic Science, American Academy of Forensic Sciences, Guest Reviewer, 2003 – 2005; Editorial Board Reviewer, 2007-present
- PLOS ONE, Guest Reviewer, 2020-present

- Forensic Sciences Research, Guest Reviewer, 2019-present
- Electrophoresis, Guest Reviewer, 2019-present
- OVPRI Core Facilities Review Task Force, Member, Virginia Commonwealth University, 2020 – present
- Grace E. Harris Leadership Institute, VCU Leadership Development Program, Mentor, Virginia Commonwealth University, 2020, 2021
- CHS Higher Ed Equipment Trust Fund/Student Technology Fees Committee, Member/Department Representative, 2020-present
- Grace E. Harris Leadership Institute, Department Chair's Certification Program, Panelist, Virginia Commonwealth University, 2020
- Black History in the Making Ceremony, Department Representative, 2020
- Search Committee, Interim Assoc. Dean for Faculty Affairs, VCU, College of Humanities & Sciences, Member, 2020
- Budget COVID-Response Working Group, VCU, College of Humanities & Sciences, Member, 2020
- Research Mentor, NIH Bridges to the Baccalaureate Program, VCU, 2017, 2018
- Oak Ridge Associated Universities, Ralph E. Powe Junior Faculty Enhancement Award, Peer Reviewer, 2018
- National Institute of Justice & Forensic Technology Center of Excellence, DNA R&D Portfolio Triage Review for Transfer & Adoption, Peer Review Panelist, 2018 (22)
- Workshop Coordinator, FEPAC On-Site Evaluator Training - MAAFS Annual Meeting, 2015 & 2018
- American Academy of Forensic Sciences, Session Moderator - Criminalistics, 2017
- National Institute of Justice, Review of Final Cumulative Report, Forensic DNA Research & Development, 2005, 2013, 2014, 2016 (2)
- Journal of Forensic Medicine & Pathology, Guest Reviewer, 2016
- Journal of Analytical Chemistry, Guest Reviewer, 2014
- National Institute of Justice, Office of Investigative & Forensic Sciences FY14 Graduate Research Fellowship Program in Science, Technology, Engineering, and Mathematics, Peer Reviewer, 2014
- Biotechniques - The International Journal of Life Science Methods, Guest Reviewer 2013
- American Academy of Forensic Sciences, Judge, Emerging Scientist Award, 2011, 2012
- Forensic Science Education Programs Accreditation Commission (FEPAC), On-Site Accreditation Team Leader, 2008, 2011
- Advisory Board, NSF ADVANCE Grant "Adapting and Implementing Family-Friendly Policies and Programs in STEM disciplines at Virginia Commonwealth University", 2010 – 2012
- Society of Forensic Toxicologists, 2010 Annual Meeting, Local Volunteer Coordinator, October 2010
- National Institute of Justice, Peer Review Panelist, Paul Coverdell Forensic Science Improvements Grants Program, 2010, 2011, 2012, 2013
- National Institute of Justice, Peer Review Panelist, Forensic DNA Research & Development Solicitation, 2010
- International Association for Identification, Education Committee, VCU Representative, 2004 – 2008
- VCU, College of Humanities & Sciences, Dean's Research Advisory Committee, member, 2007 – 2009
- VCU, College of Humanities & Sciences, Dean's Faculty Council, Secretary 2004- 2005, member, 2004-2006
- National Institute of Justice, Review of Final Cumulative Report, Forensic DNA Research

- & Development, 2005
- National Institute of Justice, Peer Reviewer, Convicted Offender DNA Backlog Reduction In-House Solicitation, 2004
- National Institute of Justice, Peer Review Panelist, Solving Cold Cases with DNA Solicitation, 2004
- National Institute of Justice, Peer Review Panelist, Forensic DNA Research & Development and Cold-Case DNA Solicitations, 2002 – 2004
- Penn State University, 1st Annual Graduate Student & Post-Doctoral Career Day, Panelist, 2001
- NCSU Career Services Mentor Program, Career Mentor, 1998
- NC Central Regional III Science Fair, Judge, 1998
- Graduate and Professional Student Leadership Development Program, Participant, 1997 – 1998

Professional Presentations & Meetings

International:

United Nations Office on Drugs & Crime, Initiative to Improve Forensic Services in Tunisia, 2020

- Assisted with planning & organization of joint two-day program
- Prepared presentation on VCU-VA DFS partnership; represented department as Chair

30th International Symposium on Human Identification, Promega Corporation, Palm Springs, CA, September 2019

Poster presentation: An Integrated Mixture Screening Assay using High Resolution Melt Curve Analysis and Support Vector Machine Modeling. Williams AL (*speaker*), Wines HE, Cloudy DC, Boone EL, **Dawson Cruz T.**

Poster presentation: Performance of the HID-Ion AmpliSeq™ Ancestry Panel with Forensic-type Samples on the Ion Torrent PGM™ and Ion S5™ Systems. Cooley AM, Meiklejohn KA, Dawson Cruz T, Robertson JM (*speaker*).

Poster presentation: A Novel Differential Protocol for Sexual Assault Samples Using a Target-Specific Antibody-Bead Complex. Testerman CN, Cox JO, Woodson ME, Correia Y, Hudson BC, Gibson AK, Landers JP, **Dawson Cruz T.** (*speaker*).

2018 Forensic Analysis of Human DNA, Gordon Research Conference, Newry, ME, June 2018

Poster presentation: Antibody selection and preliminary testing for bead-mediated cell separation: Preparing for integration on an updated centrifugal sexual assault microdevice platform. JO Cox (*speaker*), CN Testerman, K O'Connell, JL Landers, Dawson Cruz T.

Poster presentation: HRM analysis for preliminary screening of STR loci at quantification. HE Wines, DC Cloudy, KM Kuehnert, SJ Seashols-Williams, JO Cox, EL Boone, Dawson Cruz T.

Poster presentation: MPS for ancestry prediction from high quality and forensic types samples. Cooley AM (*speaker*), Meiklejohn KA, Robertson JM, Dawson Cruz T

28th International Symposium on Human Identification, Promega Corporation, Seattle, WA, October 2017

Poster presentation: Accuracy and reliability of ancestry predictions from the Precision ID Ancestry Panel for pure native and forensically relevant samples. Cooley AM (*speaker*), Meiklejohn KA, Dawson Cruz T, Robertson JM.

26th International Symposium on Human Identification, Promega Corporation, Dallas, TX, October 2015

Poster presentation: Improved Methods for Retrieval and Extraction of DNA from Tape-Lifted, Paper-Backed Stored Archived Latent Fingerprints. Solomon AD (*speaker*), Hytinen ME, McClain AM, Miller MTM, Dawson Cruz T.

Poster presentation: A microchip module for differential extraction of sexual assault samples and improved IR-mediated STR amplification for a rotation-driven microdevice. Gibson AK, Cox JO, Jackson K, Landers JP, Dawson Cruz T (*speaker*).

25th International Symposium on Human Identification, Promega Corporation, Phoenix, AZ, October 2014

Poster presentation: Separation of complex biological mixtures using human leukocyte antigen probes and fluorescence activated cell sorting. Cristina Stanciu (*speaker*), YJ Kwon, LM Dean, S Seashols, J Sturgill, T Dawson Cruz, CJ Ehrhardt

24th International Symposium on Human Identification, Promega Corporation, Atlanta, GA, October 2013

Poster presentation: Prototype Development of a Forensic Microdevice Using Infrared-mediated Heating and a Rotation-driven Platform. T Dawson Cruz (*speaker*), TK Sikes, JO Cox, Y Ouyang, JP Landers

29th International Symposium on Microscale Bioseparations, Charlottesville, VA, March 2013

Platform presentation: Scorpions, SNPs, and Telomere Stretches: Moving Forensic DNA Analysis Beyond 'Barcoding'. T Dawson Cruz (*speaker*)

19th International Symposium on Human Identification, Promega Corporation, Hollywood, C.A., October 2008

Poster presentation: Internal Validation of Quantifiler® Duo DNA Quantification Kit and AmpFISTR® YFiler™ PCR Amplification Kit. MJ Illescas, CA Tirado Neris, FM Fernández, T Dawson Cruz

12th International Symposium on Human Identification, Promega Corporation, Biloxi, MS, October 2001

Platform presentation: High Success Rate in High-Throughput Testing of Non-Suspect Casework Samples. GR Riley, B Arrey, D Alia, R Baumann, J Eberhardt, J Galdi, K Galindo, H Lee-Wyss, C Wagner, R Scioli-Jordan, M Philip, TC Dawson, DB Demers

National:

American Academy of Forensic Sciences, 72st Annual Meeting, Anaheim, CA, February 2020

Platform presentation: A comparison of DNA typing success in compromised blood and touch samples based on sampling swab composition. Rhodes C, Koroma MJ, Hudson BC, Islam N, Mukic H, Dawson Cruz T, Bever RA, Seashols-Williams SJ (*speaker*).

Platform presentation: Classification of body fluid source in dried samples using a panel of microRNAs. Rhodes C (*speaker*), Campbell AC, Lewis C, Dawson Cruz T, Boone E, Seashols-Williams SJ.

Platform presentation: The application of optical trapping to obtain single-source short tandem repeat (STR) profiles from forensically relevant body fluid mixture with modified DNA analysis workflow. O'Brien B (*speaker*), Valle M, Auka N, Dawson Cruz T, Reiner J, Seashols-Williams SJ.

American Academy of Forensic Sciences, 71st Annual Meeting, Baltimore, MD, February 2019

Platform presentation: Antibody-mediated separation of seminal male/female mixtures from sexual assault samples. Testerman CN, Cox JO (*speaker*), Gibson AKK, Landers JP, Dawson Cruz T.

Platform presentation: Integration of a high resolution melt curve STR assay into a commercial quantification kit for preliminary mixture detection—getting more information earlier in the DNA workflow. Wines HE, Oliver LC (*speaker*), Cox JO, Cloudy DC, Seashols-Williams S, Bille T, Boone EL, and Dawson Cruz T.

Platform presentation: Examination of DNA extraction lysis and wash step modification for low template DNA sample processing. Menchhoff SI (*speaker*), Delacruz MT, Hytinen ME, Miller MT, Dawson Cruz T.

Platform presentation: The developmental validation of a microRNA panel for forensic body fluid identification. Campbell AC (*speaker*), Szekely J, Lewis C., Green R, Dawson Cruz T., Seashols-Williams SJ.

Platform presentation: Generation of interpretable, single-source, STR profiles from mixed samples using optical tweezers. Valle MK (*speaker*), Auka N, Reiner JE, Dawson Cruz T., Seashols-Williams SJ.

ATFE, Laboratory Services Division, June 2018.

Invited Speaker: qPCR genotype determination and mixture detection using high resolution melt curve analysis: An update.

American Academy of Forensic Sciences, 70th Annual Meeting, Seattle, WA, February 2018

Platform presentation: High resolution melt curve analysis for preliminary screening of STR loci at quantification—getting more information earlier in the DNA workflow. Cloudy DC, Wines HE (*speaker*), Kuehnert KM, Seashols Williams S, Cox JO, Boone EL, Dawson Cruz T.

National Institute of Justice, Forensic Science Research & Development Symposium, New Orleans, LA, February 2017

Platform presentation: An Optimized DNA analysis workflow for the sampling, extraction, and concentration of DNA obtained from archived latent fingerprints. Dawson Cruz T

American Academy of Forensic Sciences, 69th Annual Meeting, New Orleans, LA, February 2017

Platform presentation: Microchip-based antibody-mediated differential lysis of sperm cells. Woodson, ME (*speaker*), Gibson K, Cox JO, Jackson K, Lander JP, Dawson Cruz T

Platform presentation: A novel, extraction-PCR microdevice on a rotation-driven platform: buccal swab to STR product in less than two hours. Cox JO (*speaker*), Sikes TK, Cannon C, Gibson K, Jackson K, Lander JP, Dawson Cruz T

Platform presentation: Evaluation of a nanopore sequencing platform for concordance and reliability in STR analysis. Diester CM (*speaker*), Dawson Cruz T, Elshaer R, Bussell AM, Brown BL, Seashols Williams S

American Academy of Forensic Sciences, 68th Annual Meeting, Las Vegas, NV, February 2016

Platform presentation: Optimized Methods for collection & extraction of DNA from archived latent fingerprints. Solomon AD (*speaker*), Hytinen M, AM McClain, MT Miller, T Dawson Cruz

Platform presentation: Development of a microfluidic differential extraction module & refinement of IR-mediated STR amplification for a rotation-driven microdevice. Kemper Gibson (*speaker*), Cox JO, Jackson K, Lander JP, T Dawson Cruz

Poster presentation: Utility of InnoTyper21 in analysis of degraded human DNA recovered from maggot crop contents. Zeller S (*speaker*), Williams K, Sinha S, Pineda G, Brown H, Wescott DJ, Dawson Cruz T, Singh B

Poster presentation-YSFS: Evaluation of SPEX freezer mill 6970EFM for DNA extraction & improved STR analysis for bones and teeth samples. Morales Colón E (*speaker*), Hernandez M, Candelario M, Melendez M, Dawson Cruz T

Poster presentation-YSFS: Methods for obtaining STR-quality touch DNA from a non-porous surface after latent print collection. Hytinen M (*speaker*), Solomon AD, Miller MT, Dawson Cruz T

American Academy of Forensic Sciences, 67th Annual Meeting, Orlando, FL, February 2015

Platform presentation: Obtaining STR-quality touch DNA from archived latent fingerprints. AM McClain, MT Miller, T Dawson Cruz (*speaker*)

Platform presentation: Development of a Pre-screening qPCR mixture detection assay using high-resolution melting curve analysis of the STR loci D5S818 and D18S51. KM Kuehnert (*speaker*), N Hong, SJ Seashols, TW Bille, S Weitz, T Dawson Cruz

Poster presentation: Separation of epithelial cell mixtures using fluorescently labeled antibodies and flow cytometry. CE Stanciu (*speaker*), YJKwon, SR Ingram, EE Bustamante, JL Sturgill, SJ Seashols, T Dawson Cruz, CJ Ehrhardt

Poster presentation: Highly multiplexed analysis of STRs and SNPs using massively parallel sequencing: Concordance with current methodologies. WA Simpson (*speaker*), CP Davis, CL Holt, T Dawson Cruz, and K Stephens

American Academy of Forensic Sciences, 66th Annual Meeting, Seattle, WA, February 2014

Poster presentation: Application of molecular antibody probes and flow cytometry to resolve individual contributions from four person whole blood mixtures and contact epithelial cell mixtures. YJ Kwon, T Dawson Cruz, SJ Seashols, J Sturgill, CJ Ehrhardt (*speaker*)

Poster presentation: Towards a Forensic Microdevice on a Rotation-driven Platform & Integration of a 'Pinwheel' Quantitation Module. JO Cox (*speaker*), T Dawson Cruz, TK Sikes, Y Ouyang, JP Landers

Poster presentation: Evaluation of the QIAGEN® QIAcube for Forensic Stain, Swab, and Differential DNA Extractions. MC Goldstein (*speaker*), T Dawson Cruz

Platform presentation: Separation of Complex Biological Mixtures Using Human Leukocyte Antigen Probes and Fluorescence Activated Cell Sorting. L Dean, YJ Kwon, SJ Seashols, J Sturgill, T Dawson Cruz, CJ Ehrhardt

Duke University, Nicolas School of the Environment, Durham, NC, March 2013

Invited speaker: Biological DNA analysis for conservation of endangered species

NC State University, Forensic Sciences Institute, 5th Annual Forensic Science Symposium, Raleigh, NC, December 2012

Invited speaker: Advancing Forensic Human DNA Analysis

American Academy of Forensic Sciences, 65th Annual Meeting, Washington, DC, February 2013

Poster presentation: Development of a Scorpion-based multiplex qPCR assay for pre-screening mixture detection. HE Parker, T Bille, LC Oliver, and T Dawson Cruz

Poster presentation: Quantity and Quality of DNA Recovered from Latent Fingerprints Processed with Three Different Methods. CN Thompson, T Dawson Cruz, M Grass

Platform presentation: Development of an Integrated Microdevice for DNA Extraction and Amplification of Forensic Samples Using Infrared-mediated Heating and Centrifugal Force. TK Sikes (*speaker*), Y Ouyang, H Sloane, T Dawson Cruz, J Landers

Platform presentation: Quantitative PCR for rapid gel electrophoresis-based pre-STR mixture detection. LC Oliver (*speaker*), T Bille, S Weitz, T Dawson Cruz

American Academy of Forensic Sciences, 64th Annual Meeting, Atlanta, GA, February 2012

Platform presentation: Evaluation of Concordance, Sensitivity, STR Amplification Input and a True Zero Value for the Qiagen Investigator QuantiPlex Kit. JT Thomas, T Dawson Cruz (*speaker*)

Platform presentation: Method Development for Analyzing SNPs Associated with Stature. RM Berlin (*speaker*), J Barker, JT Thomas, BL Brown, EL Boone, and T Dawson Cruz

American Academy of Forensic Sciences, 63rd Annual Meeting, Chicago, IL, February 2011

Platform presentation: ALS Detection and Collection of Touch DNA from Porous & Nonporous Substrates. MJ Illescas, HE Dean, CP Davis, T Dawson Cruz (*speaker*)

Platform presentation: Extraction Methods for Recovering Touch DNA. MJ Sciarretta, M Saeed, MJ Illescas, T Dawson Cruz (*speaker*)

Poster presentation: Optimization & Application of DNA Repair Enzymes to Damaged DNA for Short Tandem Repeat Analysis. Jonathan Lucyshyn (*speaker*), Shauna Dineen, T Dawson Cruz, Rhonda Craig, James Robertson

Poster presentation: Evaluation of MCLAB Buffer and NanoPOP-4 as Alternative Consumables for Applied Biosystems Capillary Electrophoresis. MJ Sciarretta, RM Berlin (*speaker*), SN Smith, T Dawson Cruz

Association for Molecular Pathology, 2010 Annual Meeting, San Jose, CA, November 2010

Poster presentation: Evaluation of DNA Extraction Methods for Formalin-fixed, Paraffin-embedded Tissue and their Impact on Whole Genome Amplification & Downstream Analysis. Sabato MF (*speaker*), Annang T, Juusola J, Mas V, Wilkinson D, Dawson Cruz T, Ferreira-Gonzalez A

American Academy of Forensic Sciences, 62nd Annual Meeting, Seattle, WA, February 2010

Poster presentation: Comparison of PowerPlex 16 HS to Minifiler and Identifiler Amplification Kits. Jessup AE (*speaker*), T Dawson Cruz, C Cupples, ME Clement

National Institutes of Justice, Grantees' Meeting, Washington, DC, June 2009

Poster presentation: Traditional Multiplex STR Amplification of Low Template DNA Samples with the Addition of Proofreading Enzymes. CP Davis, LA Chelland, MJ Illescas, T Dawson Cruz

American Academy of Forensic Sciences, 61st Annual Meeting, Denver, CO, February 2009

Platform presentation: dcDOP-PCR for the Analysis of Compromised Mock and Non-Probative Casework Samples. KL Brown (*speaker*), CP Davis, MJ Illescas, VR Pavlova, T Dawson Cruz

Poster presentation: Improving Traditional Multiplex STR Amplification of Low Template DNA samples with the Addition of Proofreading Enzymes. CP Davis (*speaker*), LA Chelland, MJ Illescas, T Dawson Cruz

Poster presentation: Internal Validation of Quantifiler® Duo DNA Quantification Kit and AmpFISTR® YFiler™ PCR Amplification Kit. MJ Illescas, C Tirado Neris, FM Fernandez, T Dawson Cruz, J Orengo, J Bloom

University of Mississippi, Forensic Chemistry Program Seminar Series, Department of Chemistry, April 2008

Invited speaker: Improving Forensic DNA Analysis: Making the Most of What You Have

American Academy of Forensic Sciences, 60th Annual Meeting, Washington, DC, February 2008

Platform presentation: Primer Modifications for the Improvement of Degenerate Oligonucleotide Primed-PCR-Based WGA from Limited Quantities of DNA. MD Bonnette (*speaker*), DN Rodier, KL Brown, MB Trevino, JR Champagne, T Dawson Cruz

Poster presentation: Optimization of DOP-PCR for Forensic DNA Analysis using Taq/Proofreading Enzyme Combinations. VR Pavlova, KL Brown, LP Thompson, T Dawson Cruz

Poster presentation: Optimization of an Assay for the Determination of Telomere Length using the ABI 7500 Real-Time PCR Instrument. KL Brown, SJ Seashols, M Hicken, AT Geronimus, T Dawson Cruz

American Academy of Forensic Sciences, 59th Annual Meeting, San Antonio, TX, February 2007

Platform presentation: Is Specific Melanin Content in Human Hairs Related to Mitochondrial DNA Typing Success? JR Champagne (*speaker*), CA Linch, MD Bonnette, T Dawson Cruz

Platform presentation: Evaluation of the ABI Quantifiler Human DNA Quantification Kit: Optimization of Input DNA for STR Analysis by CE and Determination of a True Zero Value. CM Cupples (*speaker*), JR Champagne, KE Lewis, RJ Dyer, T Dawson Cruz

Poster presentation: Low Copy Number Methodologies: A Comparison Study of Low Copy Number PCR and Multiple Displacement Amplification. DN Rodier, MD Bonnette, T Dawson Cruz

Poster presentation: Sequencing of Highly Degraded, Ancient DNA from *Metasequoia glyptostroboides*. JR Champagne, RJ Dyer, DN Rodier, T Dawson Cruz

National Institutes of Justice, DNA Grantees' Meeting, Washington, DC, June 2006

Platform Presentation: Degenerate Oligonucleotide Primed-PCR: Thermalcycling Optimization for forensic DNA analysis. DN Rodier, KM Meyer, MD Bonnette, T Dawson Cruz (*speaker*)

American Academy of Forensic Sciences, 58th Annual Meeting, Seattle, WA, February 2006

Platform presentation: Comparative Analysis of Human-Specific DNA Quantitation Techniques. KE Lewis (*speaker*), KLV Sykes, SA Greenspoon, KL Coy, CM Cupples, DN Rodier, T Dawson Cruz

Poster presentation: Taq/Proofreading enzyme combinations: A method to enhance Degenerate Oligonucleotide Primed-PCR results in Forensic DNA analysis. LP Thompson, DN Rodier, KE Lewis, KM Meyer, T Dawson Cruz

American Academy of Forensic Sciences, 57th Annual Meeting, New Orleans, LA, February 2005

Platform presentation: Degenerate Oligonucleotide-Primed PCR: 'Proofreading' a Method for Forensic DNA Analysis. DN Rodier, KM Meyer, KE Lewis, T Dawson Cruz (*speaker*)

Poster presentation: Obtaining Typable DNA from Bloodstains that Serologically Test Negative. KL Coy, KE Lewis, A Fulmer, A Hudson, T Dawson Cruz

American Academy of Forensic Sciences, 56th Annual Meeting, Dallas, TX, February 2004

Platform presentation: Degenerate Oligonucleotide-Primed PCR: A Whole Genome Amplification Approach to Forensic DNA Analysis. KM Meyer, KE Lewis, MS Schanfield, TC Dawson (*speaker*)

American Society of Hematology, 1999 Annual Meeting, New Orleans, LA, 1999

Platform presentation: Exaggerated Inflammatory Response in Mice Lacking the Duffy Antigen/Receptor for Chemokines (DARC) Reveals its Role as a Regulatory Chemokine Sink. TC Dawson (*speaker*), AB Lentsch, Z Wang, A Rot, N Maeda, SC Peiper

American Society for Investigative Pathology, Experimental Biology '99, FASEB, Washington, DC, 1999

Platform presentation: Chemokine Regulation of the Cellular Response to Influenza A Virus. TC Dawson (*speaker*), MA Beck, WA Kuziel, N Maeda

Keystone Symposia, Chemokines and Chemokine Receptors, Keystone, CO, 1999

Poster presentation: Roles of CCR2 and CCR5 in Atherosclerotic Plaque Formation in Apolipoprotein E-Deficient Mice. TC Dawson, WA Kuziel, N Maeda

Gordon Conference, Atherosclerosis, Meriden, NH, 1997

Poster presentation: Roles of Chemokine Receptors, CCR2 and CCR5, in Chronic Inflammation and Atherosclerosis. TC Dawson, WA Kuziel, O Yasada, N Maeda

Regional:

Potomac Regional Symposium on Forensic DNA Analysis, 2019 Annual Meeting, Richmond, VA, April 2019

Invited speaker: Integration of a high resolution melt curve STR assay into a commercial quantification kit for preliminary mixture detection – getting more information earlier in the DNA workflow.

Southern Association of Forensic Scientists, 2019 Annual Meeting, Asheville, NC, April, 2019

Invited speaker & Workshop coordinator: Emerging cell separation techniques for analysis of sexual assault samples

Mid-Atlantic Association of Forensic Scientists, 2018 Annual Meeting, Hunt Valley, MD, May, 2018

Platform presentation: HRM curve analysis for preliminary screening of STR loci at quantification – getting more information earlier in the DNA workflow. HE Wines(*speaker*), DC Cloudy, KM Kuehnert, SJ Seashols-Williams, JO Cox, EL Boone, T Dawson Cruz

Platform presentation: Antibody mediated separation of seminal male/female mixtures from sexual assault samples. CN Testerman (*speaker*), ME Woodson, JO Cox, JL Landers, T Dawson Cruz

Platform presentation: Forensic sample processing using an updated rotational platform, Peltier heating, and polyester-toner microdevices. JO Cox (*speaker*), K O'Connell, JL Landers, T

Dawson Cruz

Platform presentation: The effectiveness of sperm cell transfer using optical tweezers for forensic applications. NA Auka (*speaker*), T Dawson Cruz, JE Reiner, SJ Williams.

Mid-Atlantic Association of Forensic Scientists, 2017 Annual Meeting, Pittsburgh, PA, May, 2017

Platform presentation: DNA Fragment Migration: Complex Problems Can Have Simple Solutions. JO Cox (*speaker*), CM Diester, SJS Williams, T Dawson Cruz

Platform presentation: A Microchip Module for Antibody-Mediated Differential separation of Non-Seminal Male/Female Mixtures from Sexual Assault Samples. ME Woodson (*speaker*), AKK Gibson, JO Cox, S Krausse, J Li, JP Landers, T Dawson Cruz

Platform presentation: Evaluation of a Nanopore Sequencing Platform for Concordance and Reliability in STR Analyses. CM Diester (*speaker*), T Dawson Cruz, M. Rivera, BL Brown, SJS Williams

Platform presentation: Effect of concentration method on STR profile success when processing low yield forensic DNA samples. AD Solomon (*speaker*), MT Miller, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2016 Annual Meeting, Richmond, VA, May, 2016

Invited speaker, Forensic Biology Workshop "Sexual Assault Kits: In the Spotlight": A microchip module for differential extraction of sexual assault samples & improved IR-mediated STR amplification

Platform presentation: Optimization & integration of an infrared-mediated fast PCR module onto a novel forensic microdevice. JO Cox (*speaker*), CM Connon, KR Jackson, JP Landers, T Dawson Cruz

Platform presentation: Optimizing Traditional Methods for the Sampling, Extraction and STR Typing of DNA from Archived Latent Fingerprints. AD Solomon (*speaker*), ME Hytinen, AA McClain, MT Miller, T Dawson Cruz

Platform presentation: A Microdevice Module for Antibody Mediated Separation of Sexual Assault Cells on a Centrifugal Platform. AKK Gibson (*speaker*), JO Cox, KR Jackson, JP Landers, T Dawson Cruz

2015 Eastern Analytical Symposium, DNA Frontiers Workshop, Somerset, NJ, November 2015

Invited speaker: What is RAPID DNA Analysis? Introduction and New Research Directions

Potomac Regional Symposium on Forensic DNA Analysis, 2016 Annual Meeting, Richmond, VA, November, 2015

Invited speaker: A microchip module for differential extraction of sexual assault samples & improved IR-mediated STR amplification for a rotation-driven microdevice

2015 HID University Seminar Series, Future Trends in DNA Technology, Pikesville, MD, September, 2016

Invited speaker: Time, cost, and concordance evaluation of the Ion PGM System

Mid-Atlantic Association of Forensic Scientists, 2015 Annual Meeting, Cambridge, MD, May, 2015

Invited speaker: One Model: VCU & VA-DFS presented in Academic/Practitioner Collaboration Workshop: Getting the most out of Research Collaborations and Playing Well in the Sandbox.

Platform presentation: Development of a Pre-Screening qPCR Mixture Detection Assay Using

High Resolution Melting Curve Analysis of the STR Loci D5S818 and D18S51. KM Kuehnert (*speaker*), N Hong, S Williams, S Weitz, T Bille, T Dawson Cruz
Platform presentation: Highly Multiplexed Analysis of STRs and SNPs Using Massively Parallel Sequencing: Concordance with Current Methodologies. WA Simpson (*speaker*), CP Davis, J Bruand, C Holt, K Stephens, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2014 Annual Meeting, State College, PA, May, 2014.

Platform presentation: Extracting DNA from Archived Fingerprints: A Sticky Situation. AM McClain (*speaker*), MT Miller, T Dawson Cruz

Platform presentation: Toward a Forensic DNA Microdevice on a Rotation-Driven Platform and Integration of a “Pinwheel” Quantitation Module. JO Cox (*speaker*), T Dawson Cruz, TK Sikes, Y Ouyang, JP Landers

Platform presentation: The Use of QIAGEN’s Investigator Lyse & Spin Basket as an Alternative to Manual Differential Separations. MC Goldstein (*speaker*), M Guilliano, T Dawson Cruz

Platform presentation: qPCR Mixture Detection Using Melting Curve Analysis of STR Loci. N Hong (*speaker*), HE Parker, S Weitz, T Bille, T Dawson Cruz

2nd Annual Mid-Atlantic Advanced DNA Technical Workshop, Charlottesville, VA, September, 2013.

Invited speaker: Scorpions, SNPs, and Telomere Stretches: Moving Forensic DNA Analysis Beyond ‘Barcoding’

Mid-Atlantic Association of Forensic Scientists, 2013 Annual Meeting, Roanoke, VA, May, 2013

Platform presentation: Development of a Scorpion-based multiplex qPCR assay for pre-screening mixture detection. HE Parker (*speaker*), LC Oliver, T Bille, S Weitz, T Dawson Cruz

Platform presentation: Validation of the QIAGEN® QIAcube for DNA Extraction. M Goldstein (*speaker*), T Dawson Cruz

Platform presentation: Development of an Integrated Microdevice for DNA Preparation and Amplification of Forensic Samples Using Infrared-Mediated Heating and Centrifugal Force. TK Sikes, Y Ouyang, H Sloane, T Dawson Cruz, J Landers

Mid-Atlantic Association of Forensic Scientists, 2012 Annual Meeting, Turf Valley, MD, May, 2012

Platform presentation: Preamplification mixture identification using real-time PCR. T Dawson Cruz (*speaker*), L.C. Oliver, S. Weitz, T. Bille

Mid-Atlantic Association of Forensic Scientists, 2011 Annual Meeting, Virginia Beach, VA, May, 2011

Platform presentation: Academic Research & the Forensic Science Practitioner. T Dawson Cruz (*speaker*)

Platform presentation: Evaluation of the sensitivity, reproducibility, inhibition detection and STR amplification input using the Qiagen Investigator Quantiplex kit. JT Thomas (*speaker*) and T Dawson Cruz

Platform presentation: Method development for analyzing SNPs associated with stature. RM Berlin (*speaker*), JT Thomas, J Barker, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2010 Annual Meeting, State College, PA, May, 2010

Platform presentation: Extraction Methods for Touch DNA Recovered With the Use of Optical Enhancement Techniques. MJ Sciarretta (*speaker*), M Saeed, MJ Illescas, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2009 Annual Meeting, Hunt Valley, MD, May 2009

Platform presentation: Improving Traditional Multiplex STR Amplification of Low Template DNA samples with the Addition of Proofreading Enzymes. CP Davis (*speaker*), LA Chelland, MJ Illescas, T Dawson Cruz

Platform presentation: Internal Validation of Quantifiler® Duo DNA Quantification Kit and AmpFISTR® YFiler™ PCR Amplification Kit. MJ Illescas (*speaker*), C Tirado Neris, FM Fernandez, T Dawson Cruz, J Orengo, J Bloom

Platform presentation: A case of Amelogenin Y-null: simple primer binding site mutation or unusual genetic anomaly? CP Davis (*speaker*), C Tirado Neris, R Lopez, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2008 Annual Meeting, Huntington, WV, April 2008

Platform presentation: Degenerate Oligonucleotide Primed-PCR with *Taq*/Proofreading Enzyme Combinations for Forensic DNA Analysis. VR Pavlova (*speaker*), KL Brown, LP Thompson, T Dawson Cruz

Platform presentation: An Evaluation of dcDOP-PCR for the Analysis of Mock and Non-Probative Casework Samples. KL Brown (*speaker*), CP Davis, MJ Illescas, VR Pavlova, T Dawson Cruz

Poster presentation: Determination of Telomere Length using the ABI Prism 7500 Real-Time PCR Instrument. KL Brown, SJ Seashols, M Hicken, AT Geronimus, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2007 Annual Meeting, Washington, DC, May 2007

Platform presentation: Specific Melanin Content in Human Hairs and Mitochondrial DNA Typing Success. JR Champagne (*speaker*), CA Linch, MD Bonnette, T Dawson Cruz

Platform presentation: Primer and Cycle Number Modifications for the Improvement of STR Analysis after Degenerate Oligonucleotide Primed-PCR. MD Bonnette (*speaker*), KL Brown, MB Trevino, JR Champagne, T Dawson Cruz

Poster presentation: Low Copy Number Methodologies: A Comparison Study of Low Copy Number PCR and Multiple Displacement Amplification. DN Rodier, MD Bonnette, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2006 Annual Meeting, Richmond, VA, May 2006

Platform presentation: Degenerate Oligonucleotide Primed-PCR: Thermal cycling revisions for forensic DNA analysis. DN Rodier (*speaker*), KM Meyer, MD Bonnette, T Dawson Cruz.

Platform presentation: Evaluation of the ABI Quantifiler Human DNA Quantification Kit: Optimization of Input DNA for STR Analysis by CE and Determination of a True Zero Value. CM Cupples (*speaker*), JR Champagne, KE Lewis, RJ Dyer, T Dawson Cruz

Mid-Atlantic Association of Forensic Scientists, 2004 Annual Meeting, Wilmington, DE, April 2004

Platform presentation: Whole Genome Amplification as a Potential Tool for Forensic DNA Analysis. KM Meyer (*speaker*), MS Schanfield, KE Lewis, T Dawson Cruz

Eastern Carolina Safety and Health School, Atlantic Beach, NC, April 2002

Invited Speaker: Biohazards & Bioterrorism in the Workplace

73rd Annual NC Statewide Safety Conference, Greensboro, NC, May 2003

Invited Speaker: Biohazards: Protecting Your Workplace & Bioterrorism and Workplace Safety

Local:

Virginia Commonwealth University, Department of Forensic Science Seminar Series, September 2018

Invited Speaker: qPCR-based mixture detection using HRM analysis: Getting more information earlier on in the forensic DNA workflow

Virginia Commonwealth University, Department of Forensic Science Seminar Series, January 2017

Invited Speaker: DNA, Microchips, and More: Moving beyond the mystery of the big magic box

Virginia Commonwealth University, Department of Forensic Science Seminar Series, March 2011

Invited Speaker: Familial DNA Discussion Panel

Virginia State University, Student Biology Club Seminar Series, Department of Biology, November 2010

Invited Speaker: Advances in Forensic Biology

Virginia Commonwealth University, Department of Forensic Science Seminar Series, March 2009

Invited Speaker: dcDOP-PCR for Improved STR Analysis from Low Copy Number DNA Evidence

Virginia Commonwealth University, Molecular Biology & Genetics Program Seminar Series, November 2006

Invited Speaker: Improving Forensic DNA Analysis: Adaptations of Whole Genome Amplification Methods

University of Richmond, Department of Biology and the Willie Reams Lecture Fund, September 2006

Invited Speaker: Improving Forensic DNA Analysis: Adaptations of Whole Genome Amplification Methods

Virginia State University, Student Biology Club Seminar Series, Department of Biology, April 2006

Invited Speaker: Updates on Forensic DNA Research & Development

Virginia Commonwealth University, Department of Biology Graduate Seminar Series & Honor's Program Seminar Series, October & November 2003

Invited Speaker: Improving Forensic DNA Analysis: Applications of Whole Genome Amplification Methods

Continuing Education

- **Silent No More: Overdose Symposium, US Attorney's Office & Virginia Commonwealth University, 2020**

- **Bode Technology's Webinar Series, A Comparison of DNA Typing Success in Compromised Blood and Touch Samples Based on Sampling Swab Composition, September 2020**
- **Forensic Magazine, 2020 Webinar Series, DNA Hit of the Year: DNA Database Programs Help Solve More Crime, October 2020**
- **2019 HID University, Future Trends in DNA Technology Seminar Series, ThermoFisher Scientific, Washington, DC, November 2019**
- **Family Ties: Using Genetic Genealogy to Solve Violent Crime Workshop, 30th International Symposium on Human Identification, Promega Corporation, Palm Springs, CA, September 2019**
- **Industrial Advisory Board Meeting, Center for Advanced Research in Forensic Science, Raleigh, NC, Aug. 2019**
- **46th Annual American Society of Crime Lab Directors Symposium, St. Louis, MO, May 2019**
 - Servant Leadership Workshop
 - Bridging the Gap: Speak My Language Workshop
- **46th Annual American Society of Crime Lab Directors Symposium, St. Louis, MO, May 2019**
 - Servant Leadership Workshop
 - Bridging the Gap: Speak My Language Workshop
- **2018 HID University, Future Trends in DNA Technology Seminar Series, ThermoFisher Scientific, Washington, DC, September 2018**
- **2017 OSAC Scientific Area Committee Public Status Reports, Biology/DNA, OSAC, New Orleans, LA February 2017**
- **2015 HID University, Future Trends in DNA Technology Seminar Series, ThermoFisher Scientific, Pikesville, MD, September 2015**
- **Next Generation Sequencing Workshop, 24th International Symposium on Human Identification, Promega Corporation, October 2013**
- **2013 HID University, Future Trends in DNA Technology Seminar Series, Applied Biosystems by Life Technologies, July 2013**
- **DNA Mixture Interpretation Workshop & Webcast, National Institute of Standards & Technologies, April 2013**
- **2012 MAAFS Workshop: DNA Mixture Interpretation & Theories, Turf Valley MD, May 2012**
- **2012 MAAFS Workshop: Forensic Relationship Statistics Made Easy, Turf Valley MD, May 2012**
- **2011 MAAFS Fall Workshop: Expert Witness Testimony, US Secret Service, Washington DC, November 2011**
- **2010 HID University, Future Trends in DNA Technology Seminar Series, Applied Biosystems, Falls Church, VA, August 2010**
- **2008 Future Trends in Forensic DNA Technology Seminar Series, Applied Biosystems, Arlington, VA, August 2008**
- **Second Annual Present & Future Technological Advances in Human Identification Conference, Virginia Institute of Forensic Science & Medicine, Roanoke, VA, March 2006**
- **Tenth Annual CODIS User's Group Meeting, Federal Bureau of Investigation, U.S. Department of Justice, Crystal City, VA, November 2004**
- **Fifth Annual DNA Grantees' Workshop, Investigative & Forensic Sciences Division, National Institutes of Justice, Washington, DC, June 2004**
- **Ninth Annual CODIS User's Group Meeting, Federal Bureau of Investigation, U.S. Department of Justice, Crystal City, VA, November 2003**

- **Fourth Annual DNA Grantees' Workshop**, Investigative & Forensic Sciences Division, National Institutes of Justice, Washington, DC, June 2003
- **American Academy of Forensic Sciences, 55th Annual Meeting**, Chicago, IL, February, 2003
- **Eighth Annual CODIS User's Group Meeting**, Federal Bureau of Investigation, U.S. Department of Justice, Crystal City, VA, November 2002
- **Third Annual DNA Grantees' Workshop**, Investigative & Forensic Sciences Division, National Institutes of Justice, Washington, DC, June 2002
- **Mid-Atlantic Association of Forensic Sciences, 2002 Annual Meeting**, Frederick, MD, April, 2002
- **American Academy of Forensic Sciences, 54th Annual Meeting**, Atlanta, GA, February, 2002
- **Seventh Annual CODIS User's Group Meeting**, Federal Bureau of Investigation, U.S. Department of Justice, Crystal City, VA, October 2001
- **Sixth Annual CODIS User's Group Meeting**, Federal Bureau of Investigation, U.S. Department of Justice, Crystal City, VA, February 2001
- **American Academy of Forensic Sciences, 53rd Annual Meeting**, Seattle, WA, February, 2001
- **American Association of Blood Banks, Annual Meeting**, Washington, DC, November, 2000
- **Fifth Annual Conference on the Future of DNA: Implications for the Criminal Justice System**, National Institutes of Justice, U.S. Department of Justice, New York, NY, May 2000
- **First Annual DNA Grantees' Workshop**, Investigative & Forensic Sciences Division, National Institutes of Justice, Washington, DC, March 2000
- **Fifth Annual CODIS User's Group Meeting**, Federal Bureau of Investigation, US Department of Justice, Arlington, VA, November 1999
- **Medicolegal Seminar**, Sponsored by Office of the Chief Medical Examiner, University of North Carolina School of Medicine and Office of Continuing Medical Education, William and Ida Friday Continuing Education Center, Chapel Hill, NC, June 1999



Executive Office of the Mayor - Office of Talent and Appointments

John A. Wilson Building | 1350 Pennsylvania Avenue, Suite 600 | Washington, DC 20004

Dr. Tracey Dawson Green



Dr. Dawson Green currently serves as a Professor and Chair of the Department of Forensic Science at Virginia Commonwealth University in Richmond, VA. In addition to teaching, she also maintains an active forensic molecular biology research laboratory and serves on many Department & College committees. From 2005-2015, Dr. Dawson Green also served as the Director of Graduate Studies for the Department of Forensic Science which included oversight of restructuring and expansion of graduate curriculum and subsequent accreditation. Dawson Green frequently serves as a technical DNA consultant for several public and private, forensic and relationship testing laboratories. Prior to her VCU appointment, Dr. Dawson Green worked as an Assistant Director and Technical Leader at Fairfax Identity Laboratories, where she oversaw CODIS lab operations and helped to develop DNA testing strategies for high-throughput forensic casework analysis. She has additionally served as a Visiting Assistant Professor of Forensic Science at George Washington University.

Dr. Dawson Green is an active member of American Society of Crime Lab Directors (ASCLD) and the International Association for Identification (IAI), is a fellow of the American Academy of Forensic Sciences (AAFS), and is a Distinguished Member and twice past-president of the Mid-Atlantic Association of Forensic Sciences (MAAFS). Additionally, she serves as an occasional peer-review panelist for the National Institutes of Justice grant programs and as a member of the editorial board for the Journal of Forensic Sciences. Dr. Dawson Green previously served two terms as a Commissioner on the Forensic Science Education Programs Accreditation Commission (FEPAC).

Dr. Dawson Green has authored more than 35 peer-reviewed, published articles detailing her own research efforts, has been competitively awarded ~\$2.3M in external grant funds, and has trained more than 50 graduate-level forensic professionals in her research laboratory. Her primary research efforts focus on development of new methods for microchip-based processing of forensic DNA casework, methods for improving analysis of low template DNA from latent fingerprints, and development of a qPCR-based mixture screening assay.

Dr. Dawson Green earned Bachelor's Degrees in Microbiology & Zoology from North Carolina State University and received her Doctorate of Philosophy in Molecular & Cellular Pathology from the University of North Carolina-Chapel Hill, School of Medicine.



GOVERNMENT OF THE DISTRICT OF COLUMBIA

Executive Office of Mayor Muriel Bowser



Office of the General Counsel to the Mayor

To: Bryan Hum, Steve Walker
From: Betsy Cavendish
Date: June 29, 2022
Subject: Legal sufficiency review of Resolutions nominating Dr. Jeanne Jordan, Dr. LaKeisha McClary, Dr. Tracey Dawson Green, Eugene Lien, and Richard Tontarski to the Science Advisory Board

This is to Certify that this office has reviewed the above-referenced resolutions and found them to be legally unobjectionable. If you have any questions in this regard, please do not hesitate to call Vanessa Careiro, Deputy General Counsel, Executive Office of the Mayor, at 202-724-1303, or me at 202-724-7681.

A handwritten signature in cursive script that reads 'Elizabeth A. Cavendish'.

Elizabeth Cavendish