



**University of Auckland
Standard
ACADEMIC CV**

NAME: Curran, James Michael

CURRENT POSITION: Professor

DEPARTMENT: Statistics

FACULTY: Science

EDUCATIONAL QUALIFICATIONS: [Tertiary only]

1997 University of Auckland, Ph.D., Statistics

1994 University of Auckland, M.Sc. Hons., Pure and Applied Mathematics

1992 University of Auckland, B.Sc., Mathematics

PREVIOUS APPOINTMENTS:

1999-2005 University of Waikato – Senior Lecturer

SIGNIFICANT DISTINCTIONS / AWARDS:

2012 “A” Grade in 2011 PBRF round

2007 “A” Grade in 2006 PBRF round

2006 P.W. Allen Award for the most meritorious paper in Science and Justice

2001 Joint Presidents Award by the California Association of Criminalists and the United Kingdom Forensic Science Society for the Best Young Practitioner in the field of forensic science

1997 FORST Postdoctoral Fellowship

1994 ESR Ph.D. Scholarship

PROFESSIONAL SOCIETIES / SERVICE / OTHER ACTIVITIES:

The American Statistical Association	Member
New Zealand Statistical Association	Member and current President (2012-2014)
The Australian and New Zealand Forensic Science Society	Member
The Forensic Science Society	Professional Member
The International Biometrics Society	Member
The International Forensic Genetics Society	Member
The Royal Statistical Society	Fellow
The International Statistical Institute	Elected Member

Applications Editor for ANZJS – the journal of the Statistical Society of Australia and New Zealand Statistics Association

Associate Editor for Science and Justice, the journal of the Forensic Science Society

In addition, I have refereed articles for Forensic Sci. Int. Forensic Sci. Int.: Genetics; J. Forensic Sci.; Law, Probability and Risk; J. Agricultural, Biological, and Environmental Statistics; J. Chromatography A; J. Chemometrics, PLoS One, Advances in Medical Sciences., Statistics in Medicine, JRSS B, Scandinavian Journal of Statistics.

TEACHING: [Undergraduate Programmes; Postgraduates number, dates, etc; achievements; developments; summary of evaluations; etc]

COURSES TAUGHT AT THE UNIVERSITY OF WAIKATO

- 2005 STAT 221A Statistical Data Analysis
STAT 160A Statistical Thinking for Managers
- 2004 STAT 221A (on secondment to the FSS in the 2nd semester)
- 2002 0655.221A Statistical Data Analysis
0655.121B Introduction to Statistical Methods
- 2001 0655.221A Statistical Data Analysis
0655.121A Introduction to Statistical Methods
0655.525 Special Topic in Statistics
- 2000 0655.221A Statistical Data Analysis
0655.121A Introduction to Statistical Methods

COURSES TAUGHT AT THE UNIVERSITY OF AUCKLAND

- 2014 STAT 201/208 Data Analysis
STAT 779 Skills for Professional Statisticians
FORENSIC 703 Statistics and Biology for Forensic Science
- 2013 STAT 763 Advanced Applied Statistics
STAT 779 Skills for Professional Statisticians
- 2012 STAT 340 Introduction to the Design Analysis of Surveys and Experiments
STAT 779 Skills for Professional Statisticians
- 2011 STAT 340 Introduction to the Design Analysis of Surveys and Experiments
STAT 779 Skills for Professional Statisticians
- 2010 STAT 340 Introduction to the Design Analysis of Surveys and Experiments
STAT 779 Skills for Professional Statisticians
- 2009 STAT 201/208 Data Analysis
STAT 779 Skills for Professional Statisticians
- 2008 STAT 201/208 Data Analysis
STAT 779 Skills for Professional Statisticians
- 2007 STAT 201/208 Data Analysis
STAT 351 Design and Analysis of Experiments.
- 2006 STAT 208 Data Analysis
STAT 150 – Lies, Damn Lies and Statistics
- 2005 STAT 150 – Lies, Damn Lies and Statistics
- 2004 475.782 Computing for Statisticians
- 2003 475.782 Computing for Statisticians
- 2002 475.782 Computing for Statisticians
- 2001 475.782 Computing for Statisticians
475.783 Special Topic in Statistics (Reading course)
- 2000 475.782 Computing for Statisticians
- 1997 475.101 Introduction to Statistics for Arts and Science Students
- 1996 475.108 Introduction to Statistics for Commerce Students
475.101 Introduction to Statistics for Arts and Science Students
- 1995 53.211 Statistics for Electrical Engineers (part of Engineering Mathematics II)
- 1994 53.211 Statistics for Electrical Engineers (part of Engineering Mathematics II)
54.112 Statistics for Engineers (part of Engineering Mathematics I)

RESEARCH SPECIALTIES / CAREER:

Summary Statement:

I am a leader in the field of statistical analysis and interpretation of forensic trace evidence, forensic genetics and expert systems for evidence evaluation. I plan to continue developing new applications and procedures for a variety of clients. I will continue to collaborate and publish with an extended international network of academic and professional colleagues.

Research Publications:

TAYLOR, D., BRIGHT, J. A., BUCKLETON, J., CURRAN, J., 'An illustration of the effect of various sources of uncertainty on DNA likelihood ratio calculations' Forensic Science International: Genetics 11:56-63, 2014.

- MORRISON, G. S., LINDH, J., CURRAN, J. M., 'Likelihood ratio calculation for a disputed-utterance analysis with limited available data' *Speech Communication* 58:81-90, 2014.
- KELLY, H., BRIGHT, J. A., BUCKLETON, J. S., CURRAN, J. M., 'A comparison of statistical models for the analysis of complex forensic DNA profiles' *Science and Justice* 54:66-70, 2014.
- KELLY, H., BRIGHT, J. A., BUCKLETON, J. S., CURRAN, J. M., 'Identifying and modelling the drivers of stutter in forensic DNA profiles' *Australian Journal of Forensic Sciences* 46:194-203, 2014.
- CURRAN, J. M., BUCKLETON, J., 'Uncertainty in the number of contributors for the European Standard Set of loci' *Forensic Science International: Genetics* 11:205-6, 2014.
- BUCKLETON, J., KELLY, H., BRIGHT, J. A., TAYLOR, D., TVEDEBRINK, T., CURRAN, J. M., 'Utilising allelic dropout probabilities estimated by logistic regression in casework' *Forensic Science International: Genetics* 9:9-11, 2014.
- BUCKLETON, J., BRIGHT, J. A., TAYLOR, D., EVETT, I., HICKS, T., JACKSON, G., et al., 'Helping formulate propositions in forensic DNA analysis' *Science and Justice* 54:258-61, 2014.
- BRIGHT, J. A., TAYLOR, D., CURRAN, J., BUCKLETON, J., 'Searching mixed DNA profiles directly against profile databases' *Forensic Science International: Genetics* 9:102-10, 2014.
- BRIGHT, J. A., STEVENSON, K. E., COBLE, M. D., HILL, C. R., CURRAN, J. M., BUCKLETON, J. S., 'Characterising the STR locus D6S1043 and examination of its effect on stutter rates' *Forensic Science International: Genetics* 8:20-3, 2014.
- BRIGHT, J. A., NEVILLE, S., CURRAN, J. M., BUCKLETON, J. S., 'Variability of mixed DNA profiles separated on a 3130 and 3500 capillary electrophoresis instrument' *Australian Journal of Forensic Sciences* 46:304-12, 2014.
- BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J. S., 'Modelling PowerPlex® Y stutter and artefacts' *Forensic Science International: Genetics* 11:126-36, 2014.
- BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J. S., 'The effect of the uncertainty in the number of contributors to mixed DNA profiles on profile interpretation' *Forensic Science International: Genetics* 12:208-14, 2014.
- BRIGHT, J. A., CURRAN, J. M., 'Investigation into stutter ratio variability between different laboratories' *Forensic Science International: Genetics* 13:79-81, 2014.
- BRIGHT, J. A., BUCKLETON, J. S., TAYLOR, D., FERNANDO, M. A., CURRAN, J. M., 'Modelling forward stutter: towards increased objectivity in forensic DNA interpretation' *Electrophoresis* 2014.
- ALBERINK, I., SPRONG, A., BOLCK, A., CURRAN, J. M., 'Quantifying Uncertainty in Estimations of the Total Weight of Drugs in Groups of Complex Matrices' *Journal of Forensic Sciences* DOI: 10.1111/1556-4029.12533 2014.
- PUCH-SOLIS, R., RODGERS, L., MAZUMDER, A., POPE, S., EVETT, I., CURRAN, J., et al., 'Evaluating forensic DNA profiles using peak heights, allowing for multiple donors, allelic dropout and stutters' *Forensic Science International: Genetics* 7:555-63, 2013.
- CURRAN, J. M., 'Is forensic science the last bastion of resistance against statistics?' *Science and Justice* 53:251-2, 2013.
- BRIGHT, J. A., TAYLOR, D., CURRAN, J. M., BUCKLETON, J. S., 'Developing allelic and stutter peak height models for a continuous method of DNA interpretation' *Forensic Science International: Genetics* 7:296-304, 2013.
- BRIGHT, J. A., TAYLOR, D., CURRAN, J. M., BUCKLETON, J. S., 'Degradation of forensic DNA profiles' *Australian Journal of Forensic Sciences* 45:445-9, 2013.
- BRIGHT, J. A., CURRAN, J. M., HOPWOOD, A. J., PUCH-SOLIS, R., BUCKLETON, J. S., 'Consideration of the probative value of single donor 15-plex STR profiles in UK populations and its presentation in UK courts II' *Science and Justice* 53:371-, 2013.
- BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J. S., 'Relatedness calculations for linked loci incorporating subpopulation effects' *Forensic Science International: Genetics* 7:380-3, 2013.
- BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J. S., 'Investigation into the performance of different models for predicting stutter' *Forensic Science International: Genetics* 7:422-7, 2013.
- BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J. S., 'Investigation into stutter ratio variance' *Australian Journal of Forensic Sciences* 46:333-16, 2013.
- BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J. S., 'Erratum: Corrigendum to "Investigation into the performance of different models for predicting stutter"' *Forensic Science International: Genetics* 7:564-, 2013.

- BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J. S., 'Erratum: Corrigendum to "Relatedness calculations for linked loci incorporating subpopulation effects"' *Forensic Science International: Genetics* 7:565-, 2013.
- BOOTH, M. A., VOGEL, R., CURRAN, J. M., HARBISON, S., TRAVAS-SEJDIC, J., 'Detection of target-probe oligonucleotide hybridization using synthetic nanopore resistive pulse sensing' *Biosens Bioelectron* 45:136-40, 2013.
- BALDING, D. J., KRAWCZAK, M., BUCKLETON, J. S., CURRAN, J. M., 'Decision-making in familial database searching: KI alone or not alone?' *Forensic Science International: Genetics* 7:52-4, 2013.
- CURRAN, J.M. 'The frequentist approach to forensic evidence interpretation' In Jamieson, A. and Moenssens, A. (ed.) *Encyclopaedia of Forensic Science, 2nd edition*. Chichester, Sussex, John Wiley and Son Inc., 2012.
- TVEDEBRINK, T., ERIKSEN, P. S., CURRAN, J. M., MOGENSEN, H. S., MORLING, N., 'Analysis of matches and partial-matches in a Danish STR data set' *Forensic Science International: Genetics* 6:387-92, 2012.
- KELLY, H., BRIGHT, J. A., CURRAN, J. M., BUCKLETON, J., 'Modelling heterozygote balance in forensic DNA profiles' *Forensic Science International: Genetics* 6:729-34, 2012.
- KELLY, H., BRIGHT, J. A., CURRAN, J., BUCKLETON, J., 'The interpretation of low level DNA mixtures' *Forensic Science International: Genetics* 6:191-7, 2012.
- HOPWOOD, A. J., PUCH-SOLIS, R., TUCKER, V. C., CURRAN, J. M., SKERRETT, J., POPE, S., et al., 'Consideration of the probative value of single donor 15-plex STR profiles in UK populations and its presentation in UK courts' *Science and Justice* 52:185-90, 2012.
- RUSHTON, K. P., COULSON, S. A., NEWTON, A. W., CURRAN, J. M., 'The effect of annealing on the variation of glass refractive index' *Forensic Science International* 209:102-7, 2011.
- CURRAN, J. M., BUCKLETON, J. S., 'An investigation into the performance of methods for adjusting for sampling uncertainty in DNA likelihood ratio calculations' *Forensic Science International: Genetics* 5:512-6, 2011.
- AITKEN, C., BERGER, C. E. H., BUCKLETON, J. S., CHAMPOD, C., CURRAN, J., DAWID, A. P., et al., 'Expressing evaluative opinions: A position statement' *Science and Justice* 51:1-2, 2011.
- CURRAN, J.M. *Introduction to Data Analysis with R for Forensic Scientists*, Boca Raton, FL, CRC, 2010.
- HICKS, T.N.³, TARONI, F.³, CURRAN, J.M, BUCKLETON, J.S.³, CASTELLA, V.³, RIBAUX, O.³ 'Use of DNA profiles for investigation using a simulated national DNA database: part II. Statistical and ethical considerations on familial searching' *Forensic Science International: Genetics*, 4: 316-322, 2010.
- CURRAN, J. 'Are DNA profiles as rare as we think? Or can we trust DNA statistics?' *Significance*, 7: 62-66, 2010.
- CURRAN, J.M; BUCKLETON, J. 'Inclusion probabilities and dropout' *Journal of Forensic Sciences* 55(5):1171-1173, 2010.
- WALSH, S.J; BUCKLETON, J.S; CURRAN, J.M. 'Modeling forensic DNA database performance', *Journal of Forensic Sciences* 55: 1174–1183, 2010.
- HICKS, T.N.³, TARONI, F.³, CURRAN, J.M, BUCKLETON, J.S.³, CASTELLA, V.³, RIBAUX, O.³ 'Use of DNA profiles for investigation using a simulated national DNA database: part I. Partial SGM Plus profiles' *Forensic Science International Genetics* 4: 232-238, 2010.
- CURRAN, J.M., BUCKLETON, J.S. 'Sign mistake in allele sharing probability formulae of Curran, et al.' *Forensic Science International Genetics*, 4(3): 215-217, 2010.
- CURRAN, J.M. 'Statistics in Forensic Science' *Wiley Interdisciplinary Reviews (WIREs) Computational Statistics*, Published Online: Sep 25 2009 DOI: 10.1002/wics.33.
- CURRAN, J.M.³ 'Knowledge based expert systems' In Jamieson, A. and Moenssens, A. (ed.) *Encyclopaedia of Forensic Science*. Chichester, Sussex, John Wiley and Son Inc., 2009.
- CURRAN, J.M., HICKS, T.³ 'Interpretation of glass evidence' In Jamieson, A. and Moenssens, A. (ed.) *Encyclopaedia of Forensic Science*. Chichester, Sussex, John Wiley and Son Inc., 2009.

- BUCKLETON, J.³, CURRAN, J.M. 'Low Copy Number' Jamieson, A. and Moenssens, A. (ed.) *Encyclopaedia of Forensic Science*. Chichester, Sussex, John Wiley and Son Inc., 2009.
- CAMPBELL, G.P., CURRAN, J.M. 'The interpretation of elemental composition measurements from forensic glass evidence III' *Science and Justice*, 49, 2-7, 2009.
- CAMPBELL, G.P., CURRAN, J.M., MISKELLY, G.M., COULSON, S.³, YAXLEY, G.M.³, GRUNSKY, E.C.³, COX, S.C.³ 'Compositional data analysis for elemental data in forensic science' *Forensic Science International*, 188, 81-90, 2009.
- FARMER, N.³, CURRAN, J.M., LUCY, D.³, NIC DAEID, N.³, MEIER-AUGENSTEIN, W.³ 'Stable isotope profiling of burnt wooden safety matches' *Science & Justice*, 49, 107-113, 2009.
- CURRAN, J.M. 'A Monte Carlo approach to two person mixture resolution' *Science and Justice*, 48, 168-177, 2008.
- CURRAN, J.M., BUCKLETON, J.³, 'Effectiveness of familial searches' *Science and Justice*, 48, 164-167, 2008.
- GILL, P.D.³, CURRAN, J.M., NEUMANN, C.³, 'Interpretation of complex DNA profiles using Tippett plots' *Forensic Science International: Genetics Supplement Series*, 1, 646-648, 2008.
- LAUC, G.³, DZIJAN, S., MARJANOVIC, D.³, WALSH, S.J.³, CURRAN, J.M., BUCKLETON, J.³ 'Empirical support for the reliability of DNA interpretation in Croatia' *Forensic Science International: Genetics*, 3, 50-53, 2008.
- CURRAN, J.M., WALSH, S.J.³, BUCKLETON, J.³ 'Empirical support for the reliability of DNA interpretation in Australia and New Zealand' *Australian Journal of Forensic Science*, 40, 99-108, 2008.
- BUCKLETON, J.³, CURRAN, J.M. 'A discussion of the merits of random man not excluded and likelihood ratios' *Forensic Science International: Genetics*, 2, 343-348, 2008.
- GILL, P.D.³, CURRAN, J.M., NEUMANN, C.³, KIRKHAM, A.³, CLAYTON, T.³, WHITAKER, J.³, LAMBERT, J.A.³ 'Interpretation of complex DNA profiles using empirical models and a method to measure their robustness' *Forensic Science International Genetics*, 2, 91-103, 2008.
- CURRAN, J.M., BUCKLETON, J.S.³, WALSH, S.J.³ 'Empirical testing of estimated DNA frequencies' *Forensic Science International: Genetics*, 1, 267-272, 2007.
- LUCY, D.³, CURRAN, J.M., PIRIE, A. A.³, GILL P.³ 'The probability of achieving full allelic representation for LCN-STR profiling of haploid cells' *Science and Justice*, 47, 168-171, 2007.
- CURRAN, J.M. 'Using the included R functions' In Bolstad, W.M.³ (ed.) *Bayesian Statistics*, 2nd edition. New York, NY, John Wiley and Son Inc., 2007.
- BUCKLETON, J.³, CURRAN, J.M., GILL, P.D.³ 'Towards understanding the effect of uncertainty in the number of contributors to DNA stains' *Forensic Science International: Genetics*, 1, 20-28, 2007.
- CURRAN, J.M., BUCKLETON, J.³ 'The appropriate use of subpopulation corrections for differences in endogamous communities' *Forensic Science International*, 168, 106-111, 2007.
- GILL, P.D.³, KIRKHAM, A.³, CURRAN, J.M.³ 'LoComatioN: A software tool for the analysis of low copy number DNA profiles' *Forensic Science International*, 166, 128-138, 2007.
- AITKEN, C.G.G.³, LUCY, D.³, ZADORA, G.³, CURRAN, J.M. 'Evaluation of trace evidence for three-level multivariate data with the use of graphical models' *Computational Statistics and Data Analysis*, 50, 2571-2588, 2006.
- BUCKLETON, J.³, CURRAN, J.M., WALSH, S.J.³ 'How reliable is the sub-population model in DNA testimony?' *Forensic Science International*, 157, 144-148, 2006.
- NEILSON, K.³, CURRAN, J.M., TOWNS, D.R.³, JAMIESON, H.³ 'Habitat use of chevron skinks (*Oligosoma homalonotum*) on Great Barrier Island, New Zealand' *New Zealand Journal of Ecology*, 30, 345-356, 2006.
- TRIGGS, C.M., CURRAN, J.M. 'The sensitivity of the Bayesian HPD method to the choice of prior' *Science and Justice*, 46, 169-178, 2006.

- WALSH, S.J.³, MITCHELL, R.J.³, CURRAN, J.M., BUCKLETON, J.S.³ 'Substructure in the indigenous Australian population and its impact on DNA evidence interpretation' *International Congress Series* 1288, 382-384, 2006.
- GILL, P.³, CURRAN, J.M., ELLIOT, K.³ 'A graphical (Bayes net) molecular model of the entire DNA STR process to aid interpretation' *International Congress Series* 1288, 468-470, 2006.
- CURRAN, J.M., HEALY, M.³, YOUNG, R.³ 'Computer software package Kwikmix 3' *The Forensic Science Service, Birmingham, U.K.*, 2006.
- MAIMON, G.⁵, STEELE, R.J.³, CURRAN, J.M. 'Assessing spatial heterogeneity in the refractive index of float glass' *Jurimetrics*, 46, 31-51, 2005.
- BUCKLETON, J.³, CURRAN, J.M., WALSH, S.J.³ 'R v. Bropho: Careful interpretation of DNA evidence is required for courtroom decision-making' *Australian Law Journal*, 79, 709-722, 2005.
- CURRAN, J.M. 'An introduction to Bayesian credible intervals for sampling error in DNA profiles' *Law, Probability and Risk* 4, 115-126, 2005.
- HICKS, T.³, SCHUTZ, F.³, CURRAN, J.M., TRIGGS, C.M. 'A model for estimating the number of glass fragments transferred when breaking a pane: experiments with firearms and hammer' *Science and Justice* 45, 65-74, 2005.
- BILL, M.R.³, GILL, P.³, CURRAN, J.³, CLAYTON, T.³, PINCHIN, R.³, HEALY, M.³, BUCKLETON, J.³ 'PENDULUM- A guideline based approach to the interpretation of STR mixtures' *Forensic Science International* 148, 181-189, 2005.
- CURRAN, J.M., GILL, P.³, BILL, M.R.³ 'Interpretation of repeat measurement DNA evidence allowing for multiple contributors and population substructure' *Forensic Science International*, 148, 47-53, 2005.
- GILL, P.³, CURRAN, J.M., ELLIOT, K.³ 'A graphical simulation model of the entire DNA process associated with analysis of short tandem repeat loci' *Nucleic Acids Research*, 33, 632-643, 2005.
- BUCKLETON, J. S.³, CURRAN, J.M. Balding, D.J., *Weight-of-Evidence for Forensic DNA Profiles. Review in Law, Probability and Risk*, 4, 191-193, 2005.
- CURRAN, J.M., HEALY, M.³, YOUNG, R.³, BUCKLETON, J. S.³ and PINCHIN, R.³ 'Computer software package i-Stream/Pendulum', *The Forensic Science Service, Birmingham, U.K.*, 2005.
- CURRAN, J.M., GILL, P.³ 'Patent application: Improvements in and relating to investigations - MCMC methods for mixtures' UK Filing 0505748.4, Filed 18 March 2005.
- CURRAN, J.M., BUCKLETON, J. S.³ 'Computer software package SPURS - Statistical Probabilities Using Resampling' *ESR, Auckland, New Zealand*, 2005.
- CURRAN, J.M., HEALY, M.³, YOUNG, R.³ 'Computer software package LoComationN' *The Forensic Science Service, Birmingham, U.K.*, 2005
- BUCKLETON, J.³, CURRAN, J.M. 'Sampling Effects' In Buckleton, J., Triggs, C.M., Walsh, S.J. (ed.) *DNA Evidence Methods and Interpretation*. Boca Raton, FL., CRC Press, 2004.
- BUCKLETON, J.³, CURRAN, J.M. 'Validating DNA databases' In Buckleton, J., Triggs, C.M., Walsh, S.J. (ed.) *DNA Evidence Methods and Interpretation*. Boca Raton, FL., CRC Press, 2004.
- CURRAN, J.M. 'Using the included R functions' In Bolstad, W.M.³ (ed.) *Bayesian Statistics*. New York, NY, John Wiley and Son Inc. 2004.
- NEWTON, A.W.N.³, CURRAN, J.M., TRIGGS, C.M.³, BUCKLETON, J.³ 'The consequences of potentially differing distributions of the refractive indices of glass fragments from control and recovered sources' *Forensic Science International*, 140, 185-193, 2004.
- GILL, P.³, CURRAN, J.M. 'Patent application: Improvements in and relating to the DNA consideration process - Simulating the PCR process' UK Filing 426579.9 UK Additional Filing 506673.3, 12 March, 2004.

- WALSH, S.J.³, TRIGGS, C.M.; CURRAN, J.M., CULLEN, J.R.³, BUCKLETON, J.³ 'Evidence in support of self-declaration as a sampling method for the formation of sub-population DNA databases' *Journal of Forensic Sciences*, 48, 1091-1093, 2003.
- CURRAN, J.M. 'The statistical interpretation of forensic glass evidence' *International Statistical Review*, 71, 497-520, 2003.
- CURRAN, J.M. 'Modelling the distribution of recovered glass' *Proceedings of the 54th Session of the International Statistical Institute, Berlin, Germany, August 13th - 20th*, 2003.
- CURRAN, J.M., TRIGGS, C.M, BUCKLETON, J.S.³ 'What is the magnitude of the subpopulation effect?' *Forensic Science International* 135, 1-8, 2003.
- BENNETT, R.L.⁵, CURRAN, J.M., KIM, N.D.³, COULSON, S.A.³, NEWTON, A.³ 'Spatial variation of refractive index in a pane of glass' *Science and Justice*, 43, 71-76, 2003.
- ABAZ, J.³, WALSH, S.³, CURRAN, J.M., MOSS, D.³, CULLEN, J., BRIGHT, J.³, CROWE, G.³, COCKERTON, S.³, POWER, T.³ Comparison of variables affecting the recovery of DNA from common drinking containers. *Forensic Science International*, 126, 233-240, 2002.
- CURRAN, J.M., BUCKLETON, J.S.³, TRIGGS, C.M., WEIR, B.S.³ 'Assessing uncertainty in DNA evidence caused by sampling effects' *Science and Justice*, 42, 29-37, 2002.
- BUCKLETON, J.S.³, TRIGGS, C.M., CURRAN, J.M. 'Detection of deviations from genetic equilibrium - a commentary on Budowle B et al. Population data on the thirteen CODIS core short tandem repeat loci in African Americans, US Caucasians, Hispanics, Bahamians, Jamaicans, and Trinidadians' *Journal of Forensic Sciences*, 46, 198-200, 2001.
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- CURRAN, J.M. 'Expert witnesses in DNA cases' *New Zealand Law Journal*, 4, 101-102, 2000.
- BUCKLETON, J.S.³, CURRAN, J.M, BASTEN, C.J.³ 'Evaluating the statistical significance of single band profiles in VNTR analyses' *Science and Justice*, 40, 27-32, 2000.
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- CURRAN, J.M., BUCKLETON, J.S.³, TRIGGS, C.M. 'The robustness of a continuous likelihood approach to Bayesian analysis of forensic glass evidence' *Forensic Science International*, 104, 93-101, 1999.
- CURRAN, J.M., ROBERTSON, B.³, VIGNAUX, G.A.³ 'Genetic matches and the logic of the law' *Genetica*, 105, 211-213, 1999.
- CURRAN, J.M., TRIGGS, C.M., WEIR, B.S.³, BUCKLETON, J.S.³ 'The interpretation of DNA mixtures with population structure' *Journal of Forensic Sciences*, 44, 987-995, 1999.

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