

List of Publications by Giovanni Parmigiani ¹

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Books

- [1] Parmigiani G. *Modeling in Medical Decision Making*. Chichester: Wiley 2002.
- [2] Parmigiani G, Garrett ES, Irizarry RA, Zeger SL, eds. *The analysis of gene expression data: an overview of methods and software*. New York: Springer 2003.
- [3] Parmigiani G, Inoue LYT. *Decision Theory: Principles and Approaches*. Chichester: Wiley 2009.

Evidence Reports

- [4] Marchionni L, Wilson RF, Marinopoulos SS, Wolff AC, Parmigiani G, Bass EB, Goodman SN. Impact of gene expression profiling tests on breast cancer outcomes. *Evid Rep Technol Assess Full Rep* 1–105 Dec 2007.

Articles

- [5] Banks DL, Parmigiani G. [Pre-analysis of super large industrial data sets](#). *Journal of Quality Technology* 24; 115–129 1992.
- [6] Parmigiani G. [Minimax, information and ultrapessimism](#). *Theory and Decision* 33; 241–252 1992.
- [7] Parmigiani G. [On optimal screening ages](#). *Journal of the American Statistical Association* 88; 622–628 1993.
- [8] Muliere P, Parmigiani G, Polson NG. A note on the residual entropy function. *Probability in the Engineering and Informational Sciences* 7; 413–420 1993.
- [9] Muliere P, Parmigiani G. On quasi-means. *Utilitas Mathematica* 43; 79–87 1993.
- [10] Parmigiani G. [Optimal inspection and replacement policies with age-dependent failures and fallible tests \(stma V35 3349\)](#). *Journal of the Operational Research Society* 44; 1105–1114 1993.
- [11] Muliere P, Parmigiani G. [Utility and means in the 1930s](#). *Statistical Science* 8; 421–432 1993.

¹Last updated February 5, 2013

- [12] Parmigiani G. [Inspection times for stand-by units.](#) *Journal of Applied Probability* 31; 1015–1025 1994.
- [13] Müller P, Parmigiani G. [Optimal design via curve fitting of Monte Carlo experiments.](#) *Journal of the American Statistical Association* 90; 1322–1330 1995.
- [14] Parmigiani G. [Optimal scheduling of fallible inspections.](#) *Operations Research* 44; 360–367 1996.
- [15] Carota C, Parmigiani G, Polson NG. [Diagnostic measures for model criticism.](#) *Journal of the American Statistical Association* 91; 753–762 1996.
- [16] Clyde MA, DeSimone H, Parmigiani G. [Prediction via orthogonalized model mixing.](#) *Journal of the American Statistical Association* 91; 1197–1208 1996.
- [17] Berry DA, Parmigiani G, Sanchez J, Schildkraut J, Winer E. [Probability of carrying a mutation of breast-ovarian cancer gene BRCA1 based on family history.](#) *J Natl Cancer Inst* 89; 227–238 1997.
- [18] Weinstein MP, Towns ML, Quartey SM, Mirrett S, Reimer LG, Parmigiani G, Reller LB. [The clinical significance of positive blood cultures in the 1990s: a prospective comprehensive evaluation of the microbiology, epidemiology, and outcome of bacteremia and fungemia in adults.](#) *Clin Infect Dis* 24; 584–602 Apr 1997.
- [19] Parmigiani G, Samsa GP, Ancukiewicz M, Lipscomb J, Hasselblad V, Matchar DB. [Assessing uncertainty in cost-effectiveness analyses: application to a complex decision model.](#) *Med Decis Making* 17; 390–401 1997.
- [20] Matchar DB, Samsa GP, Matthews JR, Ancukiewicz M, Parmigiani G, Hasselblad V, Wolf PA, D'Agostino RB, Lipscomb J. [The stroke prevention policy model: linking evidence and clinical decisions.](#) *Ann Intern Med* 127; 704–711 Oct 1997.
- [21] Dominici F, Parmigiani G, Reckhow KH, Wolpert RL. [Combining information from related regressions.](#) *Journal of Agricultural Biological and Environmental Statistics* 2; 313–332 1997.
- [22] Parmigiani G. [Timing medical examinations via intensity functions.](#) *Biometrika* 84; 803–816 1997.
- [23] Parmigiani G, Berry D, Aguilar O. [Determining carrier probabilities for breast cancer-susceptibility genes BRCA1 and BRCA2.](#) *Am J Hum Genet* 62; 145–158 Jan 1998. PMC1376797.
- [24] Lipscomb J, Parmigiani G, Hasselblad V. [Combining expert judgment by hierarchical modeling: An application to physician staffing.](#) *Management Science Journal of the Institute of Management Sciences* 44; 149–161 1998.

- [25] Lipscomb J, Ancukiewicz M, Parmigiani G, Hasselblad V, Samsa G, Matchar DB. [Predicting the cost of illness: a comparison of alternative models applied to stroke.](#) *Med Decis Making* 18; S39–S56 1998.
- [26] Berry DA, Parmigiani G. Assessing the benefits of testing for breast cancer susceptibility genes: a decision analysis. *Breast Dis* 10; 115–125 Apr 1998.
- [27] Clyde MA, Parmigiani G. [Protein construct storage: Bayesian variable selection and prediction with mixtures.](#) *J Biopharm Stat* 8; 431–443 Jul 1998.
- [28] Petersen GM, Parmigiani G, Thomas D. [Missense mutations in disease genes: a bayesian approach to evaluate causality.](#) *Am J Hum Genet* 62; 1516–1524 Jun 1998. PMC1377150.
- [29] Carota C, Parmigiani G. [A Dirichlet process elaboration diagnostic for binomial goodness of fit.](#) *Test* 7; 133–145 1998.
- [30] Clyde MA, Parmigiani G, Vidakovic B. [Multiple shrinkage and subset selection in wavelets.](#) *Biometrika* 85; 391–402 1998.
- [31] Parmigiani G. [Designing observation times for interval censored data.](#) *Sankhya A* 60; 446–458 1998.
- [32] Claus EB, Schildkraut J, Iversen ES, Berry D, Parmigiani G. [Effect of BRCA1 and BRCA2 on the association between breast cancer risk and family history.](#) *J Natl Cancer Inst* 90; 1824–1829 Dec 1998.
- [33] Samsa GP, Reutter RA, Parmigiani G, Ancukiewicz M, Abrahamse P, Lipscomb J, Matchar DB. [Performing cost-effectiveness analysis by integrating randomized trial data with a comprehensive decision model: application to treatment of acute ischemic stroke.](#) *J Clin Epidemiol* 52; 259–271 Mar 1999.
- [34] Dominici F, Parmigiani G, Wolpert RL, Hasselblad V. [Meta-analysis of migraine headache treatments: Combining information from heterogeneous designs.](#) *Journal of the American Statistical Association* 94; 16–28 1999.
- [35] Parmigiani G, Berry DA, Winer EP, Tebaldi C, Iglehart JD, Prosnitz LR. [Is axillary lymph node dissection indicated for early-stage breast cancer? a decision analysis.](#) *J Clin Oncol* 17; 1465–1473 May 1999.
- [36] Müller P, Parmigiani G, Schildkraut J, Tardella L. [A bayesian hierarchical approach for combining case-control and prospective studies.](#) *Biometrics* 55; 858–866 Sep 1999.
- [37] Iversen Jr ES, Parmigiani G, Berry DA, Schildkraut J. [Genetic susceptibility and survival: Application to breast cancer.](#) *Journal of the American Statistical Association* 95; 28–42 2000.

- [38] Dominici F, Parmigiani G, Clyde M. [Conjugate analysis of multivariate normal data with incomplete observations](#). *The Canadian Journal of Statistics La Revue Canadienne de Statistique* 28; 533–550 2000.
- [39] Dominici F, Parmigiani G. Bayesian semiparametric analysis of developmental toxicology data. *Biometrics* 57; 150–157 Mar 2001.
- [40] Jones JB, Song JJ, Hempen PM, Parmigiani G, Hruban RH, Kern SE. [Detection of mitochondrial dna mutations in pancreatic cancer offers a "mass"-ive advantage over detection of nuclear dna mutations](#). *Cancer Res* 61; 1299–1304 Feb 2001.
- [41] Parmigiani G, Skates S. [Estimating the age of onset of detectable asymptomatic cancer](#). *Mathematical and Computer Modeling* 33(1273); 1347–60 2001.
- [42] Bova GS, Parmigiani G, Epstein JI, Wheeler T, Mucci NR, Rubin MA. [Web-based tissue microarray image data analysis: initial validation testing through prostate cancer gleason grading](#). *Hum Pathol* 32; 417–427 Apr 2001.
- [43] Ryu B, Jones J, Blades NJ, Parmigiani G, Hollingsworth MA, Hruban RH, Kern SE. [Relationships and differentially expressed genes among pancreatic cancers examined by large-scale serial analysis of gene expression](#). *Cancer Res* 62; 819–826 Feb 2002.
- [44] Wang TL, Rago C, Silliman N, Ptak J, Markowitz S, Willson JKV, Parmigiani G, Kinzler KW, Vogelstein B, Velculescu VE. [Prevalence of somatic alterations in the colorectal cancer cell genome](#). *Proc Natl Acad Sci U S A* 99; 3076–3080 Mar 2002. PMC122475.
- [45] Parmigiani G, Skates S, Zelen M. [Modeling and optimization in early detection programs with a single exam](#). *Biometrics* 58; 30–36 Mar 2002.
- [46] Berry DA, Iversen ES, Gudbjartsson DF, Hiller EH, Garber JE, Peshkin BN, Lerman C, Watson P, Lynch HT, Hilsenbeck SG, Rubinstein WS, Hughes KS, Parmigiani G. [BRCAPRO validation, sensitivity of genetic testing of BRCA1/BRCA2, and prevalence of other breast cancer susceptibility genes](#). *J Clin Oncol* 20; 2701–2712 Jun 2002.
- [47] Carota C, Parmigiani G. [Semiparametric regression for count data](#). *Biometrika* 2; 265–281 2002.
- [48] Kauff ND, Perez-Segura P, Robson ME, Scheuer L, Siegel B, Schluger A, Rapaport B, Frank TS, Nafa K, Ellis NA, Parmigiani G, Offit K. [Incidence of non-founder BRCA1 and BRCA2 mutations in high risk ashkenazi breast and ovarian cancer families](#). *J Med Genet* 39; 611–614 Aug 2002.
- [49] Symer DE, Connelly C, Szak ST, Caputo EM, Cost GJ, Parmigiani G, Boeke JD. [Human I1 retrotransposition is associated with genetic instability in vivo](#). *Cell* 110; 327–338 Aug 2002.

- [50] Inoue LYT, Parmigiani G. [Designing follow-up times](#). *JASA* 97; 847–858 2002.
- [51] Parmigiani G, Garrett ES, Anbazhagan R, Gabrielson E. [A statistical framework for expression-based molecular classification in cancers](#). *Journal of the Royal Statistical Society Series B* 64; 717–736 2002.
- [52] Parmigiani G. [Measuring uncertainty in complex decision analysis models](#). *Stat Methods Med Res* 11; 513–537 Dec 2002.
- [53] Marroni F, Aretini P, Bailey-Wilson J, Parmigiani G, Bevilacqua G, Presciuttini S. Performance of different models predicting bfica-mutation carrier status in 570 italian families. *American Journal of Human Genetics* 71(4); 348 2002.
- [54] Scharpf R, Garrett ES, Hu J, Parmigiani G. [Statistical modeling and visualization of molecular profiles in cancer](#). *Biotechniques Suppl*; 22–29 Mar 2003.
- [55] Bardelli A, Parsons DW, Silliman N, Ptak J, Szabo S, Saha S, Markowitz S, Willson JKV, Parmigiani G, Kinzler KW, Vogelstein B, Velculescu VE. [Mutational analysis of the tyrosine kinome in colorectal cancers](#). *Science* 300(5674); 949 May 2003.
- [56] Cappola TP, Cope L, Cernetich A, Barouch LA, Minhas K, Irizarry RA, Parmigiani G, Durrani S, Lavoie T, Hoffman EP, Ye SQ, Garcia JGN, Hare JM. [Deficiency of different nitric oxide synthase isoforms activates divergent transcriptional programs in cardiac hypertrophy](#). *Physiol Genomics* 14; 25–34 Jun 2003.
- [57] Chowers I, Liu D, Farkas RH, Gunatilaka TL, Hackam AS, Bernstein SL, Campochiaro PA, Parmigiani G, Zack DJ. [Gene expression variation in the adult human retina](#). *Hum Mol Genet* 12; 2881–2893 Nov 2003.
- [58] Parmigiani G, Ashih H, Samsa G, Duncan P, Lai S, Matchar D. [Cross-calibration of stroke disability measures: Bayesian analysis of longitudinal ordinal categorical data using negative dependence](#). *Journal of the American Statistical Association* 98(462); 273–281 2003.
- [59] Dang LH, Bettegowda C, Agrawal N, Cheong I, Huso D, Frost P, Loganzo F, Greenberger L, Barkoczy J, Pettit GR, Smith AB, Gurulingappa H, Khan S, Parmigiani G, Kinzler KW, Zhou S, Vogelstein B. [Targeting vascular and avascular compartments of tumors with c. novyi-nt and anti-microtubule agents](#). *Cancer Biol Ther* 3; 326–337 Mar 2004.
- [60] Wang TL, Diaz LA, Romans K, Bardelli A, Saha S, Galizia G, Choti M, Donehower R, Parmigiani G, Shih IM, Iacobuzio-Donahue C, Kinzler KW, Vogelstein B, Lengauer C, Velculescu VE. [Digital karyotyping identifies thymidylate synthase amplification as a mechanism of resistance to 5-fluorouracil in metastatic colorectal cancer patients](#). *Proc Natl Acad Sci U S A* 101; 3089–3094 Mar 2004. PMC420348.

- [61] Marroni F, Aretini P, D'Andrea E, Caligo MA, Cortesi L, Viel A, Ricevuto E, Montagna M, Cipollini G, Federico M, Santarosa M, Marchetti P, Bailey-Wilson JE, Bevilacqua G, Parmigiani G, Presciuttini S. [Penetrances of breast and ovarian cancer in a large series of families tested for BRCA1/2 mutations.](#) *Eur J Hum Genet* 12; 899–906 Nov 2004.
- [62] Marroni F, Aretini P, D'Andrea E, Caligo MA, Cortesi L, Viel A, Ricevuto E, Montagna M, Cipollini G, Ferrari S, Santarosa M, Bisegna R, Bailey-Wilson JE, Bevilacqua G, Parmigiani G, Presciuttini S. [Evaluation of widely used models for predicting BRCA1 and BRCA2 mutations.](#) *J Med Genet* 41; 278–285 Apr 2004. PMC1735736.
- [63] Mehrotra J, Ganpat MM, Kanaan Y, Fackler MJ, McVeigh M, Lahti-Domenici J, Polyak K, Argani P, Naab T, Garrett E, Parmigiani G, Broome C, Sukumar S. [Estrogen receptor/progesterone receptor-negative breast cancers of young african-american women have a higher frequency of methylation of multiple genes than those of caucasian women.](#) *Clin Cancer Res* 10; 2052–2057 Mar 2004.
- [64] Parmigiani G, Garrett-Mayer ES, Anbazhagan R, Gabrielson E. [A cross-study comparison of gene expression studies for the molecular classification of lung cancer.](#) *Clin Cancer Res* 10; 2922–2927 May 2004.
- [65] Wang Z, Shen D, Parsons DW, Bardelli A, Sager J, Szabo S, Ptak J, Silliman N, Peters BA, van der Heijden MS, Parmigiani G, Yan H, Wang TL, Riggins G, Powell SM, Willson JKV, Markowitz S, Kinzler KW, Vogelstein B, Velculescu VE. [Mutational analysis of the tyrosine phosphatome in colorectal cancers.](#) *Science* 304; 1164–1166 May 2004.
- [66] Parmigiani G. [Uncertainty and the value of diagnostic information, with application to axillary lymph node dissection in breast cancer.](#) *Stat Med* 23; 843–855 Mar 2004.
- [67] Hackam AS, Qian J, Liu D, Gunatilaka T, Farkas RH, Chowers I, Kageyama M, Parmigiani G, Zack DJ. [Comparative gene expression analysis of murine retina and brain.](#) *Mol Vis* 10; 637–649 Aug 2004.
- [68] Chen S, Wang W, Broman KW, Katki HA, Parmigiani G. [BayesMendel: an R environment for Mendelian risk prediction.](#) *Stat Appl Genet Mol Biol* 3; Article 21 2004.
- [69] Cope L, Zhong X, Garrett E, Parmigiani G. [Mergemaid: R tools for merging and cross-study validation of gene expression data.](#) *Stat Appl Genet Mol Biol* 3; Article 29 2004.
- [70] Garrett ES, Parmigiani G. [A nested unsupervised approach to identifying novel molecular subtypes.](#) *Bernoulli* 10; 951–69 2004.
- [71] Hackam AS, Strom R, Liu D, Qian J, Wang C, Otteson D, Gunatilaka T, Farkas RH, Chowers I, Kageyama M, Leveillard T, Sahel JA, Campochiaro PA, Parmigiani G, Zack DJ. [Identification of gene expression changes associated with the progression of retinal degeneration in the rd1 mouse.](#) *Invest Ophthalmol Vis Sci* 45; 2929–2942 Sep 2004.

- [72] Kittleson MM, Ye SQ, Irizarry RA, Minhas KM, Edness G, Conte JV, Parmigiani G, Miller LW, Chen Y, Hall JL, Garcia JGN, Hare JM. [Identification of a gene expression profile that differentiates between ischemic and nonischemic cardiomyopathy.](#) *Circulation* 110; 3444–3451 Nov 2004.
- [73] Iacobuzio-Donahue CA, Song J, Parmigiani G, Yeo CJ, Hruban RH, Kern SE. Missense mutations of MADH4: characterization of the mutational hot spot and functional consequences in human tumors. *Clin Cancer Res* 10; 1597–1604 Mar 2004.
- [74] Parmigiani G, Garrett E, Azbakhagan B, Gabrielson E. Molecular classification of lung cancer - a cross-platform comparison of gene expression data sets. *Chest* 125(5); 103S 2004.
- [75] Zhou X, Iversen Jr ES, Parmigiani G. [Classification of missense mutations of disease genes.](#) *Journal of the American Statistical Association* 100; 51–60 2005. PMC2311507.
- [76] Inoue L, Berry D, Parmigiani G. [Correspondences between bayesian and frequentist sample size determination.](#) *The American Statistician* 59; 79–87 2005.
- [77] Müller P, Parmigiani G, Robert C, Rousseau J. Optimal sample size for multiple testing: the case of gene expression microarrays. *Journal of the American Statistical Association* 99; 990–1001 2005.
- [78] Shen Y, Parmigiani G. [A model-based comparison of breast cancer screening strategies: mammograms and clinical breast examinations.](#) *Cancer Epidemiol Biomarkers Prev* 14; 529–532 Feb 2005.
- [79] Molina H, Parmigiani G, Pandey A. [Assessing reproducibility of a protein dynamics study using in vivo labeling and liquid chromatography tandem mass spectrometry.](#) *Anal Chem* 77; 2739–2744 May 2005.
- [80] Favorov AV, Andreewski TV, Sudomoina MA, Favorova OO, Parmigiani G, Ochs MF. [A markov chain monte carlo technique for identification of combinations of allelic variants underlying complex diseases in humans.](#) *Genetics* 171; 2113–2121 Dec 2005. PMC1456130.
- [81] Dettling M, Gabrielson E, Parmigiani G. [Searching for differentially expressed gene combinations.](#) *Genome Biol* 6; R88 2005. PMC1257471.
- [82] Sugg Skinner C, Rawl SM, Moser BK, Buchanan AH, Scott LL, Champion VL, Schildkraut JM, Parmigiani G, Clark S, Lobach DF, Bastian LA. [Impact of the cancer risk intake system on patient-clinician discussions of tamoxifen, genetic counseling, and colonoscopy.](#) *J Gen Intern Med* 20; 360–365 Apr 2005. PMC1490091.

- [83] Chen S, Watson P, Parmigiani G. [Accuracy of MSI testing in predicting germline mutations of msh2 and mlh1: a case study in Bayesian meta-analysis of diagnostic tests without a gold standard.](#) *Biostatistics* 6; 450–464 Jul 2005.
- [84] Chen S, Wang W, Lee S, Watson P, Gruber S, Romans K, Kinzler K, Giardiello F, Parmigiani G. A mendelian model and software to compute the probability of carrying mlh1 and msh2 mutations. *Cancer Epidemiology Biomarkers and Prevention* 13(11); 1894S 2004.
- [85] Shih IM, Sheu JJC, Santillan A, Nakayama K, Yen MJ, Bristow RE, Vang R, Parmigiani G, Kurman RJ, Trope CG, Davidson B, Wang TL. [Amplification of a chromatin remodeling gene, rsf-1/hbxap, in ovarian carcinoma.](#) *Proc Natl Acad Sci U S A* 102; 14004–14009 Sep 2005. PMC1236547.
- [86] Chen S, Iversen ES, Friebel T, Finkelstein D, Weber BL, Eisen A, Peterson LE, Schildkraut JM, Isaacs C, Peshkin BN, Corio C, Leondaridis L, Tomlinson G, Dutson D, Kerber R, Amos CI, Strong LC, Berry DA, Euhus DM, Parmigiani G. [Characterization of BRCA1 and BRCA2 mutations in a large united states sample.](#) *J Clin Oncol* 24; 863–871 Feb 2006. PMC232978.
- [87] Dominici F, Zeger SL, Parmigiani G, Katz J, Christian P. [Estimating percentile-specific treatment effects in counterfactual models: a case-study of micronutrient supplementation, birth weight and infant mortality.](#) *Journal of the Royal Statistical Society Series C Applied Statistics* 55; 261–280 2006.
- [88] Sjöblom T, Jones S, Wood LD, Parsons DW, Lin J, Barber TD, Mandelker D, Leary RJ, Ptak J, Silliman N, Szabo S, Buckhaults P, Farrell C, Meeh P, Markowitz SD, Willis J, Dawson D, Willson JKV, Gazdar AF, Hartigan J, Wu L, Liu C, Parmigiani G, Park BH, Bachman KE, Papadopoulos N, Vogelstein B, Kinzler KW, Velculescu VE. [The consensus coding sequences of human breast and colorectal cancers.](#) *Science* 314; 268–274 Oct 2006.
- [89] Gandhi TKB, Zhong J, Mathivanan S, Karthick L, Chandrika KN, Mohan SS, Sharma S, Pinkert S, Nagaraju S, Periaswamy B, Mishra G, Nandakumar K, Shen B, Deshpande N, Nayak R, Sarker M, Boeke JD, Parmigiani G, Schultz J, Bader JS, Pandey A. [Analysis of the human protein interactome and comparison with yeast, worm and fly interaction datasets.](#) *Nat Genet* 38; 285–293 Mar 2006.
- [90] Zilliox MJ, Parmigiani G, Griffin DE. [Gene expression patterns in dendritic cells infected with measles virus compared with other pathogens.](#) *Proc Natl Acad Sci U S A* 103; 3363–3368 Feb 2006. PMC1413941.
- [91] Favorova OO, Favorov AV, Boiko AN, Andreewski TV, Sudomoina MA, Alekseenkov AD, Kulakova OG, Gusev EI, Parmigiani G, Ochs MF. [Three allele combinations associated with multiple sclerosis.](#) *BMC Med Genet* 7; 63 2006. PMC1557481.

- [92] Chen S, Wang W, Lee S, Nafa K, Lee J, Romans K, Watson P, Gruber SB, Euhus D, Kinzler KW, Jass J, Gallinger S, Lindor NM, Casey G, Ellis N, Giardiello FM, Offit K, Parmigiani G, Colon Cancer Family Registry. [Prediction of germline mutations and cancer risk in the Lynch syndrome.](#) *JAMA* 296; 1479–1487 Sep 2006. PMC2538673.
- [93] Bettegowda C, Huang X, Lin J, Cheong I, Kohli M, Szabo SA, Zhang X, Diaz LA, Velculescu VE, Parmigiani G, Kinzler KW, Vogelstein B, Zhou S. [The genome and transcriptomes of the anti-tumor agent clostridium novyi-nt.](#) *Nat Biotechnol* 24; 1573–1580 Dec 2006.
- [94] Hayes DN, Monti S, Parmigiani G, Gilks CB, Naoki K, Bhattacharjee A, Socinski MA, Perou C, Meyerson M. [Gene expression profiling reveals reproducible human lung adenocarcinoma subtypes in multiple independent patient cohorts.](#) *J Clin Oncol* 24; 5079–5090 Nov 2006.
- [95] Salvatori R, Serpa MG, Parmigiani G, Britto AVO, Oliveira JLM, Oliveira CRP, Prado CM, Farias CT, Almeida JC, Vicente TAR, Aguiar-Oliveira MH. [Gh response to hypoglycemia and clonidine in the gh-releasing hormone resistance syndrome.](#) *J Endocrinol Invest* 29; 805–808 Oct 2006.
- [96] Dominici F, Zeger SL, Parmigiani G, Katz J, Christian P. [Does the effect of micronutrient supplementation on neonatal survival vary with respect to the percentiles of the birth weight distribution?](#) *Bayesian Analysis* 2; 1–30 2007.
- [97] Emerick MC, Parmigiani G, Agnew WS. [Multivariate analysis and visualization of splicing correlations in single-gene transcriptomes.](#) *BMC Bioinformatics* 8; 16 2007. PMC1785386.
- [98] Dahinden C, Parmigiani G, Emerick MC, Bhlmann P. [Penalized likelihood for sparse contingency tables with an application to full-length cDNA libraries.](#) *BMC Bioinformatics* 8; 476 2007. PMC2233645.
- [99] Parmigiani G, Lin J, Boca S, Sjöblom T, Jones S, Wood LD, Parsons DW, Barber T, Buckhaults P, Markowitz SD, Park BH, Bachman KE, Papadopoulos N, Vogelstein B, Kinzler KW, Velculescu VE. [Response to comments on 'The consensus coding sequences of breast and colorectal cancers'.](#) *Science* 317 (5844); 1500d 2007.
- [100] Wood LD, Parsons DW, Jones S, Lin J, Sjöblom T, Leary RJ, Shen D, Boca SM, Barber T, Ptak J, Silliman N, Szabo S, Dezso Z, Ustyanksky V, Nikolskaya T, Nikolsky Y, Karchin R, Wilson PA, Kaminker JS, Zhang Z, Croshaw R, Willis J, Dawson D, Shipitsin M, Willson JKV, Sukumar S, Polyak K, Park BH, Pethiyagoda CL, Pant PVK, Ballinger DG, Sparks AB, Hartigan J, Smith DR, Suh E, Papadopoulos N, Buckhaults P, Markowitz SD, Parmigiani G, Kinzler KW, Velculescu VE, Vogelstein B. [The genomic landscapes of human breast and colorectal cancers.](#) *Science* 318; 1108–1113 Nov 2007.

- [101] Wang W, Chen S, Brune KA, Hruban RH, Parmigiani G, Klein AP. [PancPRO: risk assessment for individuals with a family history of pancreatic cancer](#). *J Clin Oncol* 25; 1417–1422 Apr 2007.
- [102] Scharpf RB, Iacobuzio-Donahue CA, Sneddon JB, Parmigiani G. [When should one subtract background fluorescence in 2-color microarrays?](#) *Biostatistics* 8; 695–707 Oct 2007.
- [103] Wu F, Dassopoulos T, Cope L, Maitra A, Brant SR, Harris ML, Bayless TM, Parmigiani G, Chakravarti S. [Genome-wide gene expression differences in crohn's disease and ulcerative colitis from endoscopic pinch biopsies: Insights into distinctive pathogenesis](#). *Inflamm Bowel Dis* 13; 807–821 Jul 2007.
- [104] Oliveira JLM, Aguiar-Oliveira MH, D'Oliveira A, Pereira RMC, Oliveira CRP, Farias CT, Barreto-Filho JA, Anjos-Andrade FD, Marques-Santos C, Nascimento-Junior AC, Alves EO, Oliveira FT, Campos VC, Ximenes R, Blackford A, Parmigiani G, Salvatori R. [Congenital growth hormone \(gh\) deficiency and atherosclerosis: effects of gh replacement in gh-naive adults](#). *J Clin Endocrinol Metab* 92; 4664–4670 Dec 2007.
- [105] Chen S, Parmigiani G. [Meta-analysis of BRCA1 and BRCA2 penetrance](#). *J Clin Oncol* 25; 1329–1333 Apr 2007. PMC2267287.
- [106] Chen S, Euhus DM, Parmigiani G. [Quantitative models for predicting mutations in Lynch syndrome genes](#). *Current Colorectal Cancer Reports* 3(4); 206–211 2007.
- [107] Zahurak M, Parmigiani G, Yu W, Scharpf RB, Berman D, Schaeffer E, Shabbeer S, Cope L. [Pre-processing agilent microarray data](#). *BMC Bioinformatics* 8; 142 2007. PMC1876252.
- [108] Ho YY, Cope L, Dettling M, Parmigiani G. Statistical methods for identifying differentially expressed gene combinations. *Methods Mol Biol* 408; 171–191 2007.
- [109] Lin J, Gan CM, Zhang X, Jones S, Sjoblom T, Wood LD, Parsons DW, Papadopoulos N, Kinzler KW, Vogelstein B, Parmigiani G, Velculescu VE. [A multidimensional analysis of genes mutated in breast and colorectal cancers](#). *Genome Res* 17; 1304–1318 Sep 2007. PMC1950899.
- [110] Parmigiani G, Chen S, Iversen ES, Friebel TM, Finkelstein DM, Anton-Culver H, Ziogas A, Weber BL, Eisen A, Malone KE, Daling JR, Hsu L, Ostrander EA, Peterson LE, Schildkraut JM, Isaacs C, Corio C, Leondaridis L, Tomlinson G, Amos CI, Strong LC, Berry DA, Weitzel JN, Sand S, Dutson D, Kerber R, Peshkin BN, Euhus DM. [Validity of models for predicting BRCA1 and BRCA2 mutations](#). *Ann Intern Med* 147; 441–450 Oct 2007. PMC2423214.
- [111] Tai YC, Domchek S, Parmigiani G, Chen S. [Breast cancer risk among male BRCA1 and BRCA2 mutation carriers](#). *J Natl Cancer Inst* 99; 1811–1814 Dec 2007. PMC2267289.

- [112] Iversen ES, Katki HA, Chen S, Berry DA, Parmigiani G. [Limited family structure and breast cancer risk](#). *JAMA* 298; 2007 Nov 2007.
- [113] Scharpf RB, Parmigiani G, Pevsner J, Ruczinski I. [Hidden Markov models for the assessment of chromosomal alterations using high-throughput SNP arrays](#). *Annals of Applied Statistics* 2; 687–713 2008. PMC2710854.
- [114] Marchionni L, Wilson RF, Wolff AC, Marinopoulos S, Parmigiani G, Bass EB, Goodman SN. [Systematic review: gene expression profiling assays in early-stage breast cancer](#). *Ann Intern Med* 148; 358–369 Mar 2008.
- [115] Jones S, Chen WD, Parmigiani G, Diehl F, Beerenwinkel N, Antal T, Traulsen A, Nowak MA, Siegel C, Velculescu VE, Kinzler KW, Vogelstein B, Willis J, Markowitz SD. [Comparative lesion sequencing provides insights into tumor evolution](#). *Proc Natl Acad Sci U S A* 105; 4283–4288 Mar 2008. PMC2393770.
- [116] Jones S, Zhang X, Parsons DW, Lin JCH, Leary RJ, Angenendt P, Mankoo P, Carter H, Kamiyama H, Jimeno A, Hong SM, Fu B, Lin MT, Calhoun ES, Kamiyama M, Walter K, Nikolskaya T, Nikolsky Y, Hartigan J, Smith DR, Hidalgo M, Leach SD, Klein AP, Jaffee EM, Goggins M, Maitra A, Iacobuzio-Donahue C, Eshleman JR, Kern SE, Hruban RH, Karchin R, Papadopoulos N, Parmigiani G, Vogelstein B, Velculescu VE, Kinzler KW. [Core signaling pathways in human pancreatic cancers revealed by global genomic analyses](#). *Science* 321; 1801–1806 Sep 2008. PMC2848990.
- [117] Garrett-Mayer E, Parmigiani G, Zhong X, Cope L, Gabrielson E. [Cross-study validation and combined analysis of gene expression microarray data](#). *Biostatistics* 9; 333–354 Apr 2008.
- [118] Parsons DW, Jones S, Zhang X, Lin JCH, Leary RJ, Angenendt P, Mankoo P, Carter H, Siu IM, Gallia GL, Olivi A, McLendon R, Rasheed BA, Keir S, Nikolskaya T, Nikolsky Y, Busam DA, Tekleab H, Diaz LA, Hartigan J, Smith DR, Strausberg RL, Marie SKN, Shinjo SMO, Yan H, Riggins GJ, Bigner DD, Karchin R, Papadopoulos N, Parmigiani G, Vogelstein B, Velculescu VE, Kinzler KW. [An integrated genomic analysis of human glioblastoma multiforme](#). *Science* 321; 1807–1812 Sep 2008. PMC2820389.
- [119] Barber TD, McManus K, Yuen KWY, Reis M, Parmigiani G, Shen D, Barrett I, Nouhi Y, Spencer F, Markowitz S, Velculescu VE, Kinzler KW, Vogelstein B, Lengauer C, Hieter P. [Chromatid cohesion defects may underlie chromosome instability in human colorectal cancers](#). *Proc Natl Acad Sci U S A* 105; 3443–3448 Mar 2008. PMC2265152.
- [120] Schaeffer EM, Marchionni L, Huang Z, Simons B, Blackman A, Yu W, Parmigiani G, Berman DM. [Androgen-induced programs for prostate epithelial growth and invasion arise in embryogenesis and are reactivated in cancer](#). *Oncogene* 27; 7180–7191 Dec 2008. PMC2676849.

- [121] Dominici F, Wang C, Crainiceanu C, Parmigiani G. [Model selection and health effect estimation in environmental epidemiology](#). *Epidemiology* 19; 558–560 Jul 2008.
- [122] Venturini S, Dominici F, Parmigiani G. [Gamma shape mixtures for heavy-tailed distributions](#). *Ann Appl Stat* 2; 756–776 2008.
- [123] Parmigiani G, Chen S, Velculescu V. [TRAB: testing whether mutation frequencies are above an unknown background](#). *Stat Appl Genet Mol Biol* 7; Article11 2008.
- [124] Tai YC, Chen S, Parmigiani G, Klein AP. [Incorporating tumor immunohistochemical markers in BRCA1 and BRCA2 carrier prediction](#). *Breast Cancer Res* 10; 401 2008. PMC2397515.
- [125] Crainiceanu C, Dominici F, Parmigiani G. [Adjustment uncertainty in effect estimation](#). *Biometrika* 95; 635–651 2008.
- [126] Katki HA, Blackford A, Chen S, Parmigiani G. [Multiple diseases in carrier probability estimation: accounting for surviving all cancers other than breast and ovary in BRCAPRO](#). *Stat Med* 27; 4532–4548 Sep 2008. PMC2562929.
- [127] Pattaro C, Ruczinski I, Fallin DM, Parmigiani G. [Haplotype block partitioning as a tool for dimensionality reduction in snp association studies](#). *BMC Genomics* 9; 405 2008. PMC2547855.
- [128] Yang Z, Stratton C, Francis PJ, Kleinman ME, Tan PL, Gibbs D, Tong Z, Chen H, Constantine R, Yang X, Chen Y, Zeng J, Davey L, Ma X, Hau VS, Wang C, Harmon J, Buehler J, Pearson E, Patel S, Kaminoh Y, Watkins S, Luo L, Zabriskie NA, Bernstein PS, Cho W, Schwager A, Hinton DR, Klein ML, Hamon SC, Simmons E, Yu B, Campochiaro B, Sunness JS, Campochiaro P, Jorde L, Parmigiani G, Zack DJ, Katsanis N, Ambati J, Zhang K. [Toll-like receptor 3 and geographic atrophy in age-related macular degeneration](#). *N Engl J Med* 359; 1456–1463 Oct 2008. PMC2573951.
- [129] Leary RJ, Lin JC, Cummins J, Boca S, Wood LD, Parsons DW, Jones S, Sjoblom T, Park BH, Parsons R, Willis J, Dawson D, Willson JKV, Nikolskaya T, Nikolsky Y, Kopelovich L, Papadopoulos N, Pennacchio LA, Wang TL, Markowitz SD, Parmigiani G, Kinzler KW, Vogelstein B, Velculescu VE. [Integrated analysis of homozygous deletions, focal amplifications, and sequence alterations in breast and colorectal cancers](#). *Proc Natl Acad Sci U S A* 105; 16224–16229 Oct 2008. PMC2571022.
- [130] Iversen Jr ES, Parmigiani G, Chen S. [Multiple model evaluation absent the gold standard: BRCA1/2 mutation carrier probability models](#). *Journal of the American Statistical Association* 103(483); 897–909. 2008.
- [131] Kortenhorst MSQ, Zahurak M, Shabbeer S, Kachhap S, Galloway N, Parmigiani G, Verheul HMW, Carducci MA. [A multiple-loop, double-cube microarray design applied to prostate](#)

- cancer cell lines with variable sensitivity to histone deacetylase inhibitors. *Clin Cancer Res* 14; 6886–6894 Nov 2008. PMC2603330.
- [132] Braun R, Cope L, Parmigiani G. Identifying differential correlation in gene/pathway combinations. *BMC Bioinformatics* 9; 488 Nov 2008. PMC2613418.
- [133] Parmigiani G, Boca S, Lin J, Kinzler KW, Velculescu V, Vogelstein B. Design and analysis issues in genome-wide somatic mutation studies of cancer. *Genomics* 93; 17–21 Jan 2009. PMC2820387.
- [134] Jones S, Hruban RH, Kamiyama M, Borges M, Zhang X, Parsons DW, Lin JCH, Palmisano E, Brune K, Jaffee EM, Iacobuzio-Donahue CA, Maitra A, Parmigiani G, Kern SE, Velculescu VE, Kinzler KW, Vogelstein B, Eshleman JR, Goggins M, Klein AP. Exomic sequencing identifies palb2 as a pancreatic cancer susceptibility gene. *Science* 324(5924); 217 Mar 2009. PMC2684332.
- [135] Blackford A, Parmigiani G, Kensler TW, Wolfgang C, Jones S, Zhang X, Parsons DW, Lin JCH, Leary RJ, Eshleman JR, Goggins M, Jaffee EM, Iacobuzio-Donahue CA, Maitra A, Klein A, Cameron JL, Olin K, Schulick R, Winter J, Vogelstein B, Velculescu VE, Kinzler KW, Hruban RH. Genetic mutations associated with cigarette smoking in pancreatic cancer. *Cancer Res* 69; 3681–3688 Apr 2009. PMC2669837.
- [136] Chen S, Blackford AL, Parmigiani G. Tailoring BRCAPRO to Asian-Americans. *J Clin Oncol* 27; 642–3; author reply 643–4 Feb 2009.
- [137] Lin X, Asfari B, Marchionni L, Cope L, Parmigiani G, Naiman D, Geman D. The ordering of expression among a few genes can provide simple cancer biomarkers and signal brca1 mutations. *BMC Bioinformatics* 10; 256 2009. PMC2745389.
- [138] Zhou XK, Clyde MA, Garrett J, Lourdes V, O'Connell M, Parmigiani G, Turner DJ, Wiles T. Statistical methods for automated drug susceptibility testing: Bayesian minimum inhibitory concentration prediction from growth curves. *Annals of Applied Statistics* 2009,; Vol.3,No.2,710–730 Aug 2009.
- [139] Favorova OO, Favorov AV, Boiko AN, Sudomoina MA, Andreevskii TV, Alekseenkov AD, Kulakova OG, Gusev EI, Parmigiani G, Ochs MF. [genetic predisposition to multiple sclerosis as a polygenic autoimmune disease]. *Zh Nevrol Psikhiatr Im S S Korsakova* 109; 16–22 2009.
- [140] Daniel VC, Marchionni L, Hierman JS, Rhodes JT, Devereux WL, Rudin CM, Yung R, Parmigiani G, Dorsch M, Peacock CD, Watkins DN. A primary xenograft model of small-cell lung cancer reveals irreversible changes in gene expression imposed by culture in vitro. *Cancer Res* 69; 3364–3373 Apr 2009.

- [141] He X, Marchionni L, Hansel DE, Yu W, Sood A, Yang J, Parmigiani G, Matsui W, Berman DM. [Differentiation of a highly tumorigenic basal cell compartment in urothelial carcinoma.](#) *Stem Cells* 27; 1487–1495 Jul 2009.
- [142] Blackford A, Serrano OK, Wolfgang CL, Parmigiani G, Jones S, Zhang X, Parsons DW, Lin JCH, Leary RJ, Eshleman JR, Goggins M, Jaffee EM, Iacobuzio-Donahue CA, Maitra A, Cameron JL, Olin K, Schulick R, Winter J, Herman JM, Laheru D, Klein AP, Vogelstein B, Kinzler KW, Velculescu VE, Hruban RH. [Smad4 gene mutations are associated with poor prognosis in pancreatic cancer.](#) *Clin Cancer Res* 15; 4674–4679 Jul 2009.
- [143] Caffo BS, Liu D, Scharpf RB, Parmigiani G. [Likelihood estimation of conjugacy relationships in linear models with applications to high-throughput genomics.](#) *Int J Biostat* 5; Article 18 2009. PMC2827886.
- [144] Guda K, Moinova H, He J, Jamison O, Ravi L, Natale L, Lutterbaugh J, Lawrence E, Lewis S, Willson JKV, Lowe JB, Wiesner GL, Parmigiani G, Barnholtz-Sloan J, Dawson DW, Velculescu VE, Kinzler KW, Papadopoulos N, Vogelstein B, Willis J, Gerken TA, Markowitz SD. [Inactivating germ-line and somatic mutations in polypeptide n-acetylgalactosaminyltransferase 12 in human colon cancers.](#) *Proc Natl Acad Sci U S A* 106(31); 12921–25 Jul 2009. PMC2722285.
- [145] Scharpf RB, Tjelmeland H, Parmigiani G, Nobel A. A Bayesian model for cross-study differential gene expression. *JASA* 104 (488); 1295–1310 2009.
- [146] Wang W, Niendorf KB, Patel D, Blackford A, Marroni F, Sober AJ, Parmigiani G, Tsao H. [Estimating CDKN2A carrier probability and personalizing cancer risk assessments in hereditary melanoma using MelaPRO.](#) *Cancer Res* 70; 552–559 Jan 2010. PMC2947347.
- [147] Scharpf RB, Iacobuzio-Donahue CA, Cope L, Ruczinski I, Garrett-Mayer E, Lakkur S, Campagna D, Parmigiani G. [Cross-platform comparison of two pancreatic cancer phenotypes.](#) *Cancer Inform* 9; 257–264 2010. PMC2978933.
- [148] Fertig EJ, Ding J, Favorov AV, Parmigiani G, Ochs MF. [Cogaps: an r/c++ package to identify patterns and biological process activity in transcriptomic data.](#) *Bioinformatics* 26; 2792–2793 Nov 2010. PMC3025742.
- [149] Boca SM, Kinzler KW, Velculescu VE, Vogelstein B, Parmigiani G. [Patient-oriented gene set analysis for cancer mutation data.](#) *Genome Biol* 11; R112 2010. PMC3156951.
- [150] Parsons DW, Li M, Zhang X, Jones S, Leary RJ, Lin JCH, Boca SM, Carter H, Samayoa J, Bettegowda C, Gallia GL, Jallo GI, Binder ZA, Nikolsky Y, Hartigan J, Smith DR, Gerhard DS, Fults DW, VandenBerg S, Berger MS, Marie SKN, Shinjo SMO, Clara C, Phillips PC, Minturn JE, Biegel JA, Judkins AR, Resnick AC, Storm PB, Curran T, He Y, Rasheed BA,

- Friedman HS, Keir ST, McLendon R, Northcott PA, Taylor MD, Burger PC, Riggins GJ, Karchin R, Parmigiani G, Bigner DD, Yan H, Papadopoulos N, Vogelstein B, Kinzler KW, Velculescu VE. [The genetic landscape of the childhood cancer medulloblastoma](#). *Science* 331; 435–439 Jan 2011. PMC3110744.
- [151] Ho YY, Parmigiani G, Louis TA, Cope LM. [Modeling liquid association](#). *Biometrics* 67; 133–141 Mar 2011.
- [152] Trippa L, Parmigiani G. False discovery rates in somatic mutation studies of cancer. *The Annals of Applied Statistics* 5(2B); 1360–1378 2011.
- [153] Favorov A, Lvovs D, Speier W, Parmigiani G, Ochs MF. Oniontree XML: A format to exchange gene-related probabilities. *Journal of Biomolecular Structure Dynamics* 29; 417–23 2011.
- [154] Tyekucheva S, Marchionni L, Karchin R, Parmigiani G. Integrating diverse genomic data using gene sets. *Genome Biology* 12(10); R105 2011. PMC3333775.
- [155] Joshu CE, Parmigiani G, Colditz GA, Platz EA. [Opportunities for the primary prevention of colorectal cancer in the united states](#). *Cancer Prev Res Phila* 5; 138–145 Jan 2012. PMC3252472.
- [156] Wang C, Parmigiani G, Dominici F. [Bayesian effect estimation accounting for adjustment uncertainty](#). *Biometrics* 68; 661–71 Feb 2012.
- [157] Biswas S, Tankhiwale N, Blackford A, Barrera AMG, Ready K, Lu K, Amos CI, Parmigiani G, Arun B. [Assessing the added value of breast tumor markers in genetic risk prediction model brcapro](#). *Breast Cancer Res Treat* 133; 347–355 Jan 2012.
- [158] Roberts N, Vogelstein J, Parmigiani G, Kinzler KW, Vogelstein B, Velculescu VE. The predictive capacity of personal genome sequencing. *Nature Translational Medicine* 4(133); 133ra58 2012.
- [159] Waldron L, Simpson PT, Parmigiani G, Huttenhower C. Report on emerging technologies for translational bioinformatics: a symposium on gene expression profiling for archival tissues. *BMC Cancer* 12; 124 2012. PMC3342119.
- [160] Trippa L, Lee EQ, Wen PY, Batchelor TT, Cloughesy T, Parmigiani G, Alexander BM. [Bayesian adaptive randomized trial design for patients with recurrent glioblastoma](#). *J Clin Oncol* 30; 3258–63 May 2012. PMC3434985.
- [161] Wang XV, Blades N, Ding J, Sultana R, Parmigiani G. Estimation of sequencing error rates in short reads. *BMC Bioinformatics* 13(1); 185 Jul 2012 2012. PMC3495688.

- [162] Waldron L, Ogino S, Hoshida Y, Shima K, Reed A, Simpson P, Baba Y, Nosho K, Segata N, Vargas AC, Cummings M, Lakhani S, Kirkner G, Giovannucci E, Quackenbush J, Golub T, Fuchs C, Parmigiani G, Huttenhower C. Expression profiling of archival tumors for long-term health studies. *Clin Cancer Res* 18; 6136–46 2012. PMC3500412.
- [163] Ding J, Trippa L, Zhong X, Parmigiani G. Hierarchical bayesian analysis of somatic mutation data in cancer. *Annals of Applied Statistics* accepted 2012.
- [164] Coopey SB, Mazzola E, Buckley JM, Sharko J, Belli AK, Kim EMH, Polubriaginof F, Parmigiani G, Garber JE, Smith BL, Gadd MA, Specht MC, Guidi AJ, Roche CA, Hughes KS. [The role of chemoprevention in modifying the risk of breast cancer in women with atypical breast lesions.](#) *Breast Cancer Res Treat* 136; 627–33 Nov 2012.
- [165] Sausen M, Leary RJ, Jones S, Wu J, Reynolds CP, Liu X, Blackford A, Parmigiani G, Luis A, Diaz J, Papadopoulos N, Vogelstein B, Kinzler KW, Velculescu VE, Hogarty MD. Integrated genomic analyses identify ARID1A and ARID1B alterations in the childhood cancer neuroblastoma. *Nature Genetics* 45; 12–7 2012.
- [166] Leary RJ, Sausen M, Kinde I, Papadopoulos N, Carpten JD, Craig D, O'Shaughnessy J, Kinzler KW, Parmigiani G, Vogelstein B, Diaz LA, Velculescu VE. [Detection of chromosomal alterations in the circulation of cancer patients with whole-genome sequencing.](#) *Sci Transl Med* 4; 162ra154 Nov 2012.
- [167] Telesca D, Muller P, Parmigiani G, Freedman RS. Modeling dependent gene expression. *The Annals of Applied Statistics* 6; 542–60 2012.
- [168] Mazzola E, Cheng SC, Parmigiani G. [The penetrance of ductal carcinoma in situ among BRCA1 and BRCA2 mutation carriers.](#) *Breast Cancer Res Treat* 137; 315–318 Jan 2013.
- [169] Thompson JR, Ggele M, Weichenberger CX, Modenese M, Attia J, Barrett JH, Boehnke M, Grandi AD, Domingues FS, Hicks AA, Marroni F, Pattaro C, Ruggeri F, Borsani G, Casari G, Parmigiani G, Pastore A, Pfeufer A, Schwienbacher C, Taliun D, Consortium C, Fox CS, Pramstaller PP, Minelli C. [SNP prioritization using a bayesian probability of association.](#) *Genet Epidemiol* 37; 214–221 Feb 2013.
- [170] Minelli C, Grandi AD, Weichenberger CX, Ggele M, Modenese M, Attia J, Barrett JH, Boehnke M, Borsani G, Casari G, Fox CS, Freina T, Hicks AA, Marroni F, Parmigiani G, Pastore A, Pattaro C, Pfeufer A, Ruggeri F, Schwienbacher C, Taliun D, Pramstaller PP, Domingues FS, Thompson JR. [Importance of different types of prior knowledge in selecting genome-wide findings for follow-up.](#) *Genet Epidemiol* 37; 205–213 Feb 2013.
- [171] Tomasetti C, Vogelstein B, Parmigiani G. [Half or more of the somatic mutations in cancers of self-renewing tissues originate prior to tumor initiation.](#) *Proc Natl Acad Sci U S A* Jan 2013.

Book Chapters

- [172] Parmigiani G, Polson NG. [Bayesian design for random walk barriers](#). In: Bernardo JM, Berger JO, Dawid AP, Smith AFM, eds., *Bayesian Statistics 4. Proceedings of the Fourth Valencia International Meeting*, 715–721. Oxford: Oxford University Press 1992.
- [173] Parmigiani G. [Scheduling inspections in reliability](#). In: Basu AP, ed., *Advances in Reliability*, 303–319. Amsterdam: Elsevier/North-Holland 1993.
- [174] Parmigiani G, Kamlet M. [Cost-utility analysis of alternative strategies in screening for breast cancer](#). In: Gatsonis C, Hodges J, Kass RE, Singpurwalla N, eds., *Case Studies in Bayesian Statistics*, 390–402. New York: Springer 1993.
- [175] Parmigiani G, Berry DA. [Applications of Lindley information measure to the design of clinical experiments](#). In: Freeman PR, Smith AFM, eds., *Aspects of Uncertainty. A Tribute to D. V. Lindley*, 351–362. Chichester: John Wiley & Sons 1994.
- [176] Müller P, Parmigiani G. [Simulation approach to one-stage and sequential optimal design problems](#). In: Kitsos C, Mueller W, eds., *MODA 4 – Advances in Model Oriented Data Analysis*, 37–48. Springer 1995.
- [177] Clyde M, Müller P, Parmigiani G. [Optimal design for heart defibrillators](#). In: *Case studies in Bayesian Statistics, Volume II (Lecture Notes in Statistics Vol. 105)*, 278–292. Springer-Verlag Inc 1995.
- [178] Müller P, Parmigiani G. [Numerical evaluation of information theoretic measures](#). In: Berry DA, Chaloner KM, Geweke JK, eds., *Bayesian Statistics and Econometrics: Essays in Honor of A. Zellner*, 397–406. New York: Wiley 1995.
- [179] Parmigiani G, Ancukiewicz M, Matchar DB. [Decision models in clinical recommendations development: the Stroke Prevention Policy Model](#). In: Berry DA, Stangl DK, eds., *Bayesian Biostatistics*, vol. 151 of *Statistics: Textbooks and Monographs*, 207–233. New York: Marcel Dekker 1996.
- [180] Clyde MA, Müller P, Parmigiani G. [Inference and design strategies for a hierarchical logistic regression model](#). In: Berry DA, Stangl DK, eds., *Bayesian Biostatistics*, vol. 151 of *Statistics: Textbooks and Monographs*, 297–320. New York: Marcel Dekker 1996.
- [181] Carota C, Parmigiani G. [On Bayes factors for nonparametric alternatives](#). In: Bernardo JM, Berger JO, Dawid AP, Smith AFM, eds., *Bayesian Statistics 5 – Proceedings of the Fifth Valencia International Meeting*, 507–511. Clarendon Press [Oxford University Press] 1996.

- [182] Clyde MA, Parmigiani G. [Orthogonalizations and priors for orthogonalized model mixing](#). In: Lee JC, Johnson WO, Zellner A, eds., *Modelling and Prediction: Honoring of Seymour Geisser*, 206–227. New York: Springer 1996.
- [183] Parmigiani G. Utility in health studies. In: Rosner B, Glynn R, eds., *Encyclopedia of Biostatistics*. New York: Wiley 1998.
- [184] Parmigiani G, Berry D, Iversen Jr ES, Müller P, Schildkraut J, Winer E. [Modeling risk of breast cancer and decisions about genetic testing](#). In: Gatsonis C, et al., eds., *Case Studies In Bayesian Statistics*, vol. IV, 173–268. Springer 1998.
- [185] Iversen Jr ES, Parmigiani G, Berry D. [Validating Bayesian prediction models: a case study in genetic susceptibility to breast cancer](#). In: Gatsonis C, Kass RE, Carlin B, Carriquiry A, Gelman A, Verdinelli I, West M, eds., *Case Studies In Bayesian Statistics*, vol. IV, 321–338. NY: Springer 1998.
- [186] Parmigiani G. [Decision models in screening for breast cancer](#). In: Bernardo JM, Berger JO, Dawid AP, Smith AFM, eds., *Bayesian Statistics 6*, 525–546. Oxford: Oxford University Press 1999.
- [187] Dominici F, Parmigiani G. Combining studies with continuous and dichotomous responses: a latent variables approach. In: Stangl DK, Berry DA, eds., *Meta-analysis in Medicine and Health Policy*, vol. 151, 105–126. New York, NY, USA: Marcel Dekker 2000.
- [188] Parmigiani G. Decision theory: Bayesian. In: Smelser N, Baltes P, eds., *International Encyclopedia of Social and Behavioral Sciences*, 3327–3334. Oxford: Elsevier 2001.
- [189] Parmigiani G, Garrett ES, Irizarry RA, Zeger SL. The analysis of gene expression data: an overview of methods and software. In: Parmigiani G, Garrett ES, Irizarry RA, Zeger SL, eds., *The analysis of gene expression data: methods and software*, 1–45. New York: Springer 2003.
- [190] Garrett ES, Parmigiani G. POE: Statistical tools for molecular profiling. In: Parmigiani G, Garrett ES, Irizarry RA, Zeger SL, eds., *The analysis of gene expression data: methods and software*, 362–387. New York: Springer 2003.
- [191] Parmigiani G, Garrett E, Azbzhagan B, Gabrielson E. Molecular classification of lung cancer - a cross-platform comparison of gene epxression data sets. *Chest* 125(5); 103S 2004.
- [192] Garrett ES, Parmigiani G. [Clustering and classification methods for gene expression data analysis](#). In: Nuber U, ed., *DNA Microarrays: Advanced Methods*, 241–256. New York: Taylor and Francis 2005.

- [193] Shen Y, Parmigiani G. Optimization of breast cancer screening modalities. In: Nikoulina, Commenges, Huber, eds., *Probability, Statistics and Modeling in Public Health*, 405–420. New York: Springer 2006.
- [194] Müller P, Parmigiani G, Rice K. [FDR and Bayesian multiple comparisons rules](#). In: Bernardo JM, Bayarri S, Berger JO, Dawid A, Heckerman D, Smith AFM, West M, eds., *Bayesian Statistics 8*. Oxford University Press 2007.
- [195] Parmigiani G, Blackford A. Familial cancer risk assessment using BayesMendel. In: Casagrande J, Davuluri R, Ochs M, eds., *Biomedical Informatics for Cancer Research*. Springer 2010.

Book Reviews Comments and Responses

- [196] Parmigiani G. [Review of “Scientific reasoning: The Bayesian approach”](#). *Journal of the American Statistical Association* 86; 825–827 1991.
- [197] Parmigiani G. [Review of “Large deviation techniques in decision, simulation and estimation”](#). *Technometrics* 34; 120–121 1992.
- [198] Parmigiani G. Comment on “Several Bayesians: A review”. *Test Madrid* 2; 24–25 1993.
- [199] Clyde M, DeSimone H, G. P. Comment on: Accounting for model uncertainty in survival analysis improves predictive performance, by Raftery et al. In: Bernardo JM, Berger JO, Dawid AP, Smith AFM, eds., *Bayesian Statistics 5 – Proceedings of the Fifth Valencia International Meeting*, 323–349. Clarendon Press [Oxford University Press] 1996.
- [200] Berry DA, Parmigiani G. [Response to: Re: probability of carrying a mutation of breast-ovarian cancer gene BRCA1 based on family history by Schaid, dj](#). *J Natl Cancer Inst* 89; 1634 1997.
- [201] Berry D, Parmigiani G, Rubinstein W, Watson P. [Response to Nonovarian Pelvic Cancers in BRCA1/2 Mutation Carriers and the BRCAPRO Statistical Model by Cremin et al](#). *J Clin Oncol* 20; 3936–3937 2002.
- [202] Chen S, Iversen ESJ, Parmigiani G. [In Reply to: BRCA1 and BRCA2 Cancer Risks by Antoniou et al](#). *J Clin Oncol* 24; 3313–3314 2006.
- [203] Parmigiani G, Chen S. [In Reply to: One Risk Fits All? by De Bock et al](#). *J Clin Oncol* 25; 3384– 2007.
- [204] Parmigiani G, Berry DA. [In Reply to: Does the search for large genomic rearrangements impact BRCAPRO carrier prediction? by Capalbo et al](#). *J Clin Oncol* 25; 2634–2635 2007.

- [205] Chng; WJ, Loeb LA, Bielas; JH, Strauss; BS, Sjoblom T, Jones S, Wood LD, Parsons DW, Lin J, Barber T, Mandelker D, Leary RJ, Ptak J, Silliman N, Szabo S, Buckhaults P, Farrell C, Meeh P, Markowitz SD, Willis J, Dawson D, Willson JKV, Gazdar AF, Hartigan J, Wu L, Liu C, Parmigiani G, Park BH, Bachman KE, Papadopoulos N, Vogelstein B, Kinzler KW, Velculescu VE. [Limits to the Human Cancer Genome Project?](#) *Science* 315; 762b–766 2007.
- [206] Iversen ES, Katki HA, Chen S, Berry DA, Parmigiani G. [Limited family structure and breast cancer risk.](#) *JAMA* 298; 2007 Nov 2007.
- [207] Chen S, Blackford AL, Parmigiani G. [Tailoring BRCAPro to Asian-Americans.](#) *J Clin Oncol* 27; 642–3; author reply 643–4 Feb 2009.
- [208] Wang C, Parmigiani G, Dominici F. [Rejoinder: Bayesian effect estimation accounting for adjustment uncertainty.](#) *Biometrics* Feb 2012.
- [209] Vogelstein B, Roberts NJ, Vogelstein JT, Parmigiani G, Kinzler KW, Velculescu VE. [Response to comments on "the predictive capacity of personal genome sequencing"](#). *Sci Transl Med* 4; 135lr3 May 2012.

Conference Proceedings

- [210] Carota C, Parmigiani G, Polson N. Bayesian model criticism. In: *ASA Proceedings of the Section on Bayesian Statistical Science*. American Statistical Association 1993.
- [211] Lavine M, Parmigiani G. Introducing Bayesian statistics to undergraduates: A transitional approach. In: *ASA Proceedings of the Section on Bayesian Statistical Science*, 146–149. American Statistical Association (Alexandria, VA) 1993.
- [212] Clyde MA, DeSimone H, Parmigiani G. A comparison of algorithms for sampling models. In: *ASA Proceedings of the Section on Bayesian Statistical Science*, 211–216. American Statistical Association (Alexandria, VA) 1994.
- [213] Clyde M, Parmigiani G, Vidakovic B. Using Markov chain Monte Carlo to account for model uncertainty with applications to wavelets. In: Meyer M, Rosenberger JLE, eds., *Computing Science and Statistics: Proceedings of the Symposium on the Interface*, 209–218. Interface Foundation of North America 1996.
- [214] Ashih HW, Berry DA, Parmigiani G. Modeling natural history of breast cancer tumor growth. In: *ASA Proceedings of the Biometrics Section*, 182–185. American Statistical Association (Alexandria, VA) 1998.

- [215] Irizarry RA, Parmigiani G, Guo M, Dracheva T, Jen J. [A statistical analysis of radiolabeled gene expression data](#). In: *Computing Science and Statistics: Proceedings of the Symposium on the Interface*, 26–49. Interface Foundation of North America 2001.
- [216] Marroni F, Aretini P, Bailey-Wilson J, Parmigiani G, Bevilacqua G, Presciuttini S. Performance of different models predicting bfica-mutation carrier status in 570 italian families. In: *52nd Annual Meeting of the American Society of Human Genetics* 2002.
- [217] Marroni F, Aretini P, Bailey-Wilson J, Bevilacqua G, Parmigiani G, Presciuttini S. Unbiased estimation of breast and ovarian cancer penetrances in brca 1/2 mutation carriers using genetic-test results. In: *Annual Meeting of the American Society of Human Genetics* 2003.
- [218] Marroni F, Aretini P, Bailey-Wilson J, Bevilacqua G, Parmigiani G, Presciuttini S. Unbiased estimation of breast and ovarian cancer penetrances in brca 1/2 mutation carrier using genetics-test results. *American Journal of Human Genetics* 73(5); 234 2003.
- [219] Parmigiani G, Garrett E, Azbzhagan B, Gabrielson E. Molecular classification of lung cancer - a cross-platform comparison of gene epxression data sets. *Chest* 125(5); 103S 2004.
- [220] Chen S, Wang W, Lee S, Watson P, Gruber S, eromans K, Kinzler K, Giardiello F, Parmigiani G. A mendelian model and software to compute the probability of carrying mlh1 and msh2 mutations. In: *3rd Annual AACR International Conference* 2004.
- [221] Shih IM, Sheu JJC, Santillan A, Nakayama K, Yen MJ, Bristow RE, Vang R, Parmigiani G, Kurman RJ, Trope CG, Davidson B, Wang TL. Amplication of a chromatin remodeling gene, rsf-1/hbxap, in ovarian carincoma. In: *AACR/NCI.EORTC Internatioanl Conference on Molecular Targets and Cancer Therapeutics* 2005.
- [222] Parsons D, Jones S, Leary R, Lin J, Zhang X, Wood L, Sjoblom T, Papadopoulos N, Parmigiani G, Kinzler K, Velculesco V, Vogelstein B. Large-scale mutational naalyses of human cancer: Lessons learned from sequencinf cancer genomes. In: *Proceedings of the 36th Meeting of the International Society of Oncology and Biomarkers* 2008.
- [223] Blackford A, Parmigiani G, Kensler TW, Wolfgang C, Jones S, Zhang X, Parsons DW, Lin JCH, Leary RJ, Eshleman JR, Goggins M, Jaffee EM, Iacobuzio-Donahue CA, Maitra A, Klein A, Cameron JL, Olinio K, Schulick R, Winter J, Vogelstein B, Velculescu VE, Kinzler KW, Hruban RH. Genetic mutations assocaited with cigarette smoking in pancreatic cancer. In: *98th Annual Meeting of the United States and Canadian Academy of Pathology* 2009.
- [224] SB C, E M, JM B, J S, AK B, EMH K, F P, G P, JE G, BL S, MA G, MC S, AJ G, CA R, KS H. Clarifying the risk of breast cancer in women with atypical breast lesions. In: *San Antonio Breast Cancer Symposium* 2011.