

CURRICULUM VITAE

NAME: Bernice Packer, M.S.

PRESENT POSITION:

Manager of Bioinformatics
National Cancer Institute,
Advanced Technology Center,
Core Genotyping Facility
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EDUCATION (INCLUDING DEGREES OBTAINED):

M.S. Biomedical Engineering, Northwestern University
B.S. Bioengineering, University of Illinois
Chemical Engineering, Washington University

PROFESSIONAL APPOINTMENT:

1981-90 Programmer/Analyst in Research and Development, Smithkline Beecham, Philadelphia, PA

1981-90 Supervisor of Educational Services in Research and Development, Smithkline Beecham, Philadelphia, PA

1990-91 Senior Associate, conducted strategic study for government clients, Richard S. Carson & Associates, Bethesda, MD

1991-98 Project Manager, Technical Writer, General Electric Information Services (GEIS), Rockville, MD

1998-01 Program Manager, SpaceWorks, Inc, Rockville, MD

2001-03 Programmer/Analyst, National Cancer Institute, Advanced Technology Center, Gaithersburg, MD

03-Present Manager of Bioinformatics, National Cancer Institute Advanced, Technology Center, Core Genotyping Facility, Gaithersburg, MD

AWARDS AND HONORS:

- 1970 National Merit Scholarship Finalist
- 1993 Award of Achievement, International Technical Publication Competition, Society for Technical Communication, User's Guides category
- 1994 Award of Achievement, GE Information Services, for outstanding professional initiative
- 1995 Award of Excellence, GE Information Services, for outstanding performance
- 1997 Award of Achievement, GE Information Services, for outstanding professional contributions
- 1999 Excellence Award, SpaceWorks Professional Services

PRESENTATIONS:

- 1976 Cizek BR. Computer Analysis of Pediatric Cardiac Catherization Data. Masters Thesis, Northwestern University
- 1978 Olinger CP, Nigam AK, Packer BP. Real Time Ultrasonic Viewing of Atherosclerosis in the Carotoid Artery. Second Joint Conference, American Heart Association
- 1978 Packer BR, Olinger CP, Wasserman JF. Ultrasonic Scanning and Tissue Characterization Data Program. Annual Conference of Engineering in Medicine and Biology
- 1980 Levin M, Packer BR. Clinical Laboratory Data Management: A Distributed Data Processing Solution. Symposium on Computer Applications in Medical Care
- 1986 Packer BR, Packer RJ, Sutton LN, et al. Relational Database for Pediatric Neuro-Oncology Studies. Fouth International Child Neurology Congress.
- 1987 Packer BR, Kruger F. Maximizing a Vendor's Usefulness in Software Training. Data Training Conference
- 1991 Packer BR, Carson RS. DEA Office Automation Requirements
- 2002 Yeager M, Packer B, Miller E, Welch R, Kiley M, Burke M, Strausberg R, Rothman N, Chanock S. SNP500Cancer Database and Candidate SNP Approach to Genetic Association Studies. American Society of Human Genetics, Baltimore, MD

- 2003 Bergen AW, Sicotte H, Beerman M, Qi L, Packer B, Staats B, Crenshaw A, Glaser C, Yadavalli S, Hutchinson A, Miller E, Welch R, Yeager M, Chanock S. SNP500Cancer Database: Sequence Validation and Assay Optimization of Candidate Gene SNPs for Molecular Epidemiology Studies in Cancer. SNP2003 Conference, Chantilly, VA
- 2003 Haque KA, Beerman MB, Puri V, Sadavalli S, Crenshaw AT, Welch RA, Yeager M, Packer BR, Garcia-Closas M, Rothman N, Chanock SJ, Bergen AW. Evaluation of Whole Genome Amplification Methods. 2003 NIH Research Festival, Bethesda, MD
- 2003 Packer B, Yeager M, Staats B, Welch R, Crenshaw A, Kiley M, Eckert A, Beerman M, Miller E, Bergen A, Rothman N, Strausberg R, Chanock S. SNP500Cancer Database: Sequence Validation and Assay Optimization of Candidate Gene SNPs for Molecular Epidemiology Studies in Cancer. 2003 NIH Research Festival, Bethesda, MD
- 2003 Sicotte H, Beerman M, Yeager M, Staats B, Welch R, Miller E, Qi Liquan, Packer B, Bergen AW, Chanock SJ. Bioinformatics and Laboratory Information Management System for High Accuracy High-Throughput Genotyping. 44th Annual Short Course in Medical and Experimental Mammalian Genetics. Bar Harbor, Maine
- 2003 Crenshaw A, Welch R, Yeager M, Glaser C, Packer B, Chanock S. Implementation of ABI Resequencing Primers into the Core Genotyping Facility's Sequencing Pipeline. International Congress of Genetics, Melbourne, Australia
- 2003 Yeager M, Packer B, Miller E, Welch R, Kiley M, Burke M, Crenshaw A, Strausberg R, Rothman N, Chanock SJ. SNP500Cancer Database: Sequence Validation and Assay Optimization of Candidate Gene SNPs for Molecular Epidemiology Studies in Cancer. AACR, Toronto
- 2003 Welch R, Yeager M, Staats B, Beerman M, Packer B, Hutchinson A, Bergen A, Bandey T, Chowdhury S, Crenshaw A, Yadavalli S, Sicotte H, Miller E, Kiley M, Chanock SJ. The National Cancer Institute's Core Genotyping Facility (CGF): Approaching a Gold Standard in Genotyping Assay Validation. Association of Biomolecular Resource Facilities, Denver, CO
- 2003 Yeager M, Packer B, Miller E, Welch R, Kiley M, Crenshaw A, Staats B, Foster C, Strausberg R, Rothman N, Chanock S. National Cancer Institute, Principal Investigators Meeting, Bethesda, MD

PUBLICATIONS:

1. Hughes AI, Packer B, Welch R, Bergen AW, Chanock SJ, Yeager M. Widespread Purifying Selection at Polymorphic Sites in Human Protein-codin Loci. *Proc Natl Acad Sci U S A* 100(26):15754-15757, 2003.
2. Packer BR, Yeager M, Staats B, Welch R, Crenshaw A, Kiley M, Eckert A, Beerman M, Miller E, Bergen A, Rothman N, Strausberg R, Chanock SJ. SNP500Cancer: A Public Resource for Sequence Validation and Assay Development for Genetic Variation in Candidate Genes. *Nucleic Acids Res* 32: Database Issue D528-532, 2004.