

Kathryn L Gumpper

Experience

Jun. 97 – Oct. 06 (Part-time) ChemVal Consulting, Inc. Salt Lake City, UT
Oct. 06 – Present (Full-time)

President, Consulting Chemist

- Assist environmental chemistry laboratories in achieving/maintaining TNI accreditation, including writing quality manuals, writing standard operating procedures, performing gap assessments and providing technical assistance for a variety of environmental methods.
- Acting Quality Assurance Officer (as part-time, permanent consultant) for a small wastewater testing laboratory.
- Perform internal laboratory assessments to TNI2009/ISO 17025 standards at various environmental production laboratories.
- Assess laboratories for compliance with ISO 17025, DoD QSM v4.2, TNI2009, ISO 17043, ISO Guide 34, ISO 15189 and other standards (for A2LA).
- Develop and implement data management tools for production laboratories using desktop applications.
- Provide data validation services to companies and environmental engineering firms.

Apr. 1996 – Oct. 06 Myriad Genetics, Inc Salt Lake City, UT

Director of Laboratory Operations

- Managed the overall production process for a high-throughput clinical genetic sequencing laboratory employing more than 80 analysts and technicians and generating in excess of \$1 million in revenue per week.
- Led and supervised four laboratory section managers in obtaining and allocating resources as necessary to meet production goals and turn-around-time deadlines.
- Led or assisted project teams in design and implementation of new laboratory processes and software.
- Maintained compliance with ISO 17025, CLIA, NFSTC and other pertinent regulations.
- Assisted in the design and was responsible for implementation of Quality Assurance procedures for the entire division.

Senior Manager – Data Review

- Hired, trained, supervised group of 20 genetic sequence data analysts. Allocated resources as necessary to meet production goals and turn-around-time deadlines. Aided in design and implementation of new laboratory processes.
- Verified all results to be reported.
- Participated in the Working Committee on Quality Assurance.
- Wrote technical specifications and designed GUI interface for the original proprietary software used for mutation detection at Myriad. Participated in the design of numerous other software applications used in the clinical sequencing laboratory, as well as in design and implementation of new laboratory processes. Acted as liaison between users and software programmers.

1989 - 1996 University of Utah Health Science Center Salt Lake City, UT

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Medical Technologist – Hematopathology Laboratory

- Performed clinical tests using Southern blot and in-situ hybridization techniques. Assisted with other immunoassays and special hematology tests.

Flow Specialist – Flow Cytometry Laboratory

- Developed and/or improved clinical flow cytometric methods and applications. Performed analyses and maintained proper documentation for in-lab and external research projects including FDA-sponsored studies.
- Performed routine clinical analyses including immunophenotyping for immunodeficiency diseases, immunophenotyping for leukemia/lymphoma diagnosis and DNA cell cycle analysis. Performed routine instrument set-up, maintenance and repair. Designed reports in MS Excel. Maintained Novell PC network.
- Wrote standard operating procedures. Designed and implemented QA/QC procedures.
- Assisted in supervision and training of laboratory personnel.

1985 - 1989

DataChem Laboratories, Inc.

Salt Lake City, UT

Assistant Project Manager – EPA-Contract Laboratory Program

- Acted as contract liaison with EPA, interpreted CLP statement of work for analytical sections, assessed sample analysis capabilities, monitored turn-around-times and QA/QC parameters. Coordinated deliverables for each analytical fraction. Supervised document control program and document control officer. Participated in proposal preparation and on-site audits.

Document Control Officer/Quality Control Technician

- Designed and implemented document control program for EPA-CLP contract, prepared case files for archival and subsequent purge, monitored QA/QC parameters, prepared standard operating procedure manuals for EPA-CLP.

Technician – Gas Chromatography/Mass Spectroscopy

- Analyzed and reported soil and water samples for volatile organic analytes under EPA-CLP, SW-846 and EPA 624 protocols, operated and maintained analytical instrumentation.

Education

1979 - 1983

Brigham Young University

Provo, UT

Bachelor of Science, Psychology

- Completed > 30 semester hours of biological/physical science coursework.

1994

University of Utah

Salt Lake City, UT

- Additional coursework in Immunology

Certifications

1995

Medical Technology Certification in Immunology (I), ASCP

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Continuing Education

- Apr. 19-21, 2006 TBM LeanSigma Institute
- “Quest for the Perfect Engine”, Lean Systems Training
- Jan. 31, 2007 Laboratory Data Consultants, Inc
- “Data Review and Validation”
- March 19-25, 2007 American Association for Laboratory Accreditation (A2LA)
- “ISO/IEC 15189 Assessor Orientation Course,” Deborah Miller, Daren Valentine, instructors
- April 2-4, 2007 Advanced Systems, Inc.
- “Assessments for ISO/IEC 17025 and NELAC,” Marlene Moore, instructor
- August 15, 2009 Advanced Systems, Inc.
- “Inductively Coupled Argon Plasma and Mass Spectrometer Analysis and Data Review”, Marlene Moore, Mitzi Miller, Instructors
- April 23, 2010 American Association for Laboratory Accreditation (A2LA)
- “Reference Material Producer/Proficiency Test Provider Assessor Training”, Mitzi Miller, Dan Tholen, Instructors
- April 1, 2011 American Association for Laboratory Accreditation (A2LA)
- “Environmental Lead Assessor Training”, Ken Stoub, Instructor
- February 21-22, 2013 Advanced Systems, Inc.
- “Technical Training: Assessing Microbiology”
- September 2013 Advanced Systems, Inc.
- “Technical Training Assessing Organic Chemistry”

Peer Reviewed Publications

Frank, T.S., Deffenbaugh, A.M., Reid, J.E., Hulick, M., Ward, B.E., Lingenfelter, B., Gumpper, K.L., Scholl, T., Tavtigian, S.V., Pruss, D.R., Critchfield, G.C., “Clinical Characteristics of Individuals With Germline Mutations in BRCA1 and BRCA2: Analysis of 10,000 Individuals.”, Journal of Clinical Oncology, Vol 20, No 6, 2002, pp 1480-1490

Frank, T.S., Deffenbaugh, A.M., Hulick, M., Gumpper, K.L., “Hereditary Susceptibility to Breast Cancer: Significance of Age of Onset in Family History and Contribution of BRCA1 and BRCA2.”, Disease Markers 15, 1999, pp 89-92

Fults D., Pedone, C.A., Thompson, G.E., Uchiyama, C.M., Gumpper, K.L., Iliev, D., Vinson, V.L.,

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Tavtigian, S.V., Perry, W.L. (III), "Microsatellite Deletion Mapping on Chromosome 10q and Mutation Analysis of MMAC1, FAS, And MXI1 in Human Glioblastoma Multiforme.", *International Journal of Oncology*, 12(4), 1998, pp 905-10

Teng, D.H-F., Hu, R., Huai, L., Davis, T., Iliev, D., Frye, C., Swedlund, B., Hansen, K.L., Vinson, V.L., Gumpper, K.L., Ellis, L., El-Naggar, A., Frazier, M., Jasser, S., Langford, L.A., Lee, J., Mills, G.B., Pershouse, M.A., Pollack, R.E., Tornos, C., Troncoso, P., Yung, W.K.A, Fujii, G., Berson, A., Bookstein, R., Bolen, J.B., Tavtigian, S.V., Steck, P.A., "MMAC1/PTEN Mutations in Primary Tumor Specimens and tumor Cell Lines.", *Cancer Research* 57, 1997, pp 5221-5225

Shattuck-Eidens, D., Oliphant, A., McClure, M., McBride, C., Gupte, J., Rubano, T., Pruss, D., Tavtigian, S.V., Teng, D.H., Adey, N., Staebell, M., Gumpper, K., Lundstrom, R., Hulick, M., Kelly, M., Holmen, J., Lingenfelter, B., Manley, S., Fujimura, F., Luce, M., Ward, B., Cannon-Albright, L., Steele, L., Offit, K., Thomas, A., et.al., "BRCA1 Sequence Analysis in Women At High Risk for Susceptibility Mutations. Risk Factor Analysis and Implications for Genetic Testing." *JAMA*, Vol. 278, No. 15, 1997

Poster Presentations

Gumpper, K.L., and Wittwer, C.T., Quantitative dual parameter antiplatelet antibody assay. *Clinical Applications of Cytometry*, Atlanta, October, 1991.