

Dr. Laura Kuck

Positions Held:

Chief of Operations, InDevR, Inc., Boulder, CO, 2009-Present

President, InDevR, Inc., Boulder, CO, 2002-2009

Science Advisor, US Food and Drug Administration, Lakewood, CO, 2002-2005

Laboratory Director, Onsite Environmental Laboratories, 1994-1995

Quality Assurance Manager, Dames and Moore Laboratory, 1992-1994

Laboratory Director, Resna Environmental Laboratories, 1989-1992

Chemist, Engineering Science Laboratory, 1987-1989

Chemist, Trace Analysis Laboratory, 1985-1986

Education:

Ph.D., University of Colorado, Boulder, 1999

Thesis: "Measurement of CO₂ Fluxes in the Amazon Basin and the Design, Development and Testing of Two New CO₂ Detectors"

M.S., University of California, Davis, 1985

Thesis: "ODMR Studies on the Triplet State of the Cyanate Anion"

B.S., University of California, Davis, 1983

Publications:

"Spotting Optimization for Short Oligo Microarrays on Aldehyde-Glass," E.D. Dawson, L.A. Reppert, K.L. Rowlen, and L.R. Kuck, *Analytical Biochemistry* 341: 352-360 (2005).

"Introduction to Instrumental Techniques through Environmental Chemical Analysis" (2002). This lab manual is now used for the Instrumental Analysis course at the University of Colorado, Boulder.

"Measurements of Landscape-Scale Fluxes of Carbon Dioxide in the Peruvian Amazon by Vertical Profiling through the Atmospheric Boundary Layer," L. R. Kuck, T. Smith, Jr., B. B.

Balsley, D. Helmig, T. J. Conway, P. P. Tans, K. Davis, M. L. Jensen, J. A. Bognar, R. Vasquez Arrieta, R. Rodríguez and J. W. Birks, *J. Geophys. Res.* 105, 22137-22146 (2000).

"Chemiluminescence Demonstration of Ester Hydrolysis Reactions," A. G. Hadd, D. W. Lehmpuhl, L. R. Kuck and J. W. Birks, *J. Chem. Ed.* 76, 1237-1240 (1999).

"High Precision Conductometric Detector for the Measurement of Atmospheric Carbon Dioxide," L. R. Kuck, R. D. Godec, P. P. Kosenka and J. W. Birks, *Anal. Chem.* 70, 4678-4682 (1998).

"Vertical Profiling and Determination of Landscape Fluxes of Biogenic Nonmethane Hydrocarbons within the Planetary Boundary Layer in the Peruvian Amazon," D. Helmig, B. Balsley, K. Davis, L. R. Kuck, M. Jensen, J. Bognar, R. Vasquez Arrieta, R. Rodríguez and J. W. Birks, *J. Geophys. Res.* 103, 25519-25532 (1998).