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Education

Ph.D., Chemical Engineering, University of Virginia, 1991
M.S., Chemical Engineering, University of Virginia, 1988
B.S., Chemical Engineering, Summa Cum Laude, Virginia Tech, 1986

Selected Publications

- Vemuri, G. N., M. A. Eiteman, J. E. McEwen, L. Olsson and J. Nielsen. 2007. Increasing NADH oxidation reduces overflow metabolism in *Saccharomyces cerevisiae*, *Proc. Natl. Acad. Sci.* 104(7):2402-2407.
- Y. Zhu, M. A. Eiteman, K. DeWitt and E. Altman. 2007. Homolactate fermentation by metabolically engineered *Escherichia coli*, *Appl. Environ. Microbiol.* 73(2):456-464.
- M. A. Eiteman and E. Altman. 2006. Overcoming acetate in *Escherichia coli* recombinant protein fermentations, *Trends Biotechnol.* 24(11):530-536.
- Smith, G. M., S. A. Lee, K. C. Reilly, M. A. Eiteman and E. Altman. 2006. Fed-batch two-phase production of alanine by metabolically engineered *Escherichia coli*. *Biotechnol. Lett.* 28:1695-1700.
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- Vemuri, G. N., E. Altman, D. P. Sangurdekar, A. B. Khodursky and M. A. Eiteman. 2006. Overflow metabolism in *Escherichia coli* during steady-state growth: transcriptional regulation and the effect of redox. *Appl. Environ. Microbiol.* 72: 3652-3661.
- Vemuri, G. N., T. A. Minning, E. Altman and M. A. Eiteman. 2005. Physiological response of central metabolism in *Escherichia coli* to deletion of pyruvate oxidase and introduction of heterologous pyruvate carboxylase. *Biotechnol. Bioeng.* 90:64-76.
- Xie, L., D. Hall, M. A. Eiteman and E. Altman. 2003. Optimization of recombinant aminolevulinate synthase production in *Escherichia coli* using factorial design, *Appl. Microbiol. Biotechnol.* 63:267-273.
- Kastner, J. R., M. A. Eiteman and S. A. Lee. 2003. Effect of redox potential on stationary-phase xylitol fermentations, *Appl. Microbiol. Biotechnol.* 63:96-100.
- Gokarn, R. R., Eiteman, M. A., and Altman, E., "Metabolically engineered *E. coli* for enhanced production of oxaloacetate-derived biochemicals", **US Patent 6,455,284**, issued September 24, 2002.

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