

PUBLICATIONS AND PATENTS

1. Whitaker, W.B., Jones, J.A., **Bennett, R.K.**, Gonzalez, J.E., Vernacchio, V.R., Collins, S.M., Palmer, M.A., Schmidt, S., Antoniewicz, M.R., Koffas, M.A., Papoutsakis, E.T., 2016. Engineering the biological conversion of methanol to specialty chemicals in *Escherichia coli*. *Metabolic Engineering*, <http://dx.doi.org/10.1016/j.ymben.2016.10.015>.
2. Papoutsakis, E.T., Nicolaou, S., Fast, A.G., Falara, V., **Bennett, R.K.**, Whitaker, W.B., Sandoval, N.R., Gonzalez, J.E., Antoniewicz, M.R., 2016. Synthetic methylotrophy to liquid fuels and chemicals. Patent application. Pub. No.: US 2016/0333308 A1.
3. Whitaker, W.B., Sandoval, N.R., **Bennett, R.K.**, Fast, A.G., Papoutsakis, E.T., 2015. Synthetic methylotrophy: engineering the production of biofuels and chemicals based on the biology of aerobic methanol utilization. *Current Opinion in Biotechnology*, 33, 165–175.
4. Hawkins, A.S., Han, Y., **Bennett, R.K.**, Adams, M.W., Kelly, R.M., 2013. Role of 4-hydroxybutyrate-CoA synthetase in the CO₂ fixation cycle in thermoacidophilic archaea. *Journal of Biological Chemistry*, 288(6), 4012–4022.

PRESENTATIONS

1. **Bennett, R.K.**, Sandoval, N.R., Papoutsakis, E.T., Identifying NAD-Dependent Methanol Dehydrogenases for Synthetic Methylotrophy. *AIChE Annual Meeting*, 2016. San Francisco, CA. (Poster)
2. **Bennett, R.K.**, Sandoval, N.R., Papoutsakis, E.T., Identifying NAD-Dependent Methanol Dehydrogenases for Synthetic Methylotrophy. *Metabolic Engineering 11*, 2016. Awaji Island, Japan. (Poster)
3. Whitaker, W.B., **Bennett, R.K.**, Falara, V., Sandoval, N.R., Price, V., Palmer, M.A., Gonzalez, J.E., Jones, J.A., Antoniewicz, M.R., Koffas, M.A., Chen, W., Papoutsakis, E.T., Engineering Synthetic Methylotrophy for Liquid Fuel Production: Engineering Growth of *E. coli* on Methanol. *UD Microbial Systems Symposium*, 2016. Newark, DE. (Poster)
4. **Bennett, R.K.**, Papoutsakis, E.T., Synthetic Methylotrophy: Engineering *Escherichia coli* for Biofuel Production. *UD Winter Research Review*, 2016. Newark, DE. (Poster)
5. Whitaker, W.B., **Bennett, R.K.**, Chen, L., Steinberg, L., Falara, V., Sandoval, N.R., Price, V., Raeeszadeh, M., Dong, M., Gonzalez, J.E., Jones, J.A., Antoniewicz, M.R., Bahnson, B., Koffas, M.A., Chen, W., Papoutsakis, E.T., Synthetic Methylotrophy to Liquid Fuel. *ARPA-E REMOTE Annual Meeting*, 2015. San Diego, CA. (Poster)

HONORS AND AWARDS

- | | |
|---|-------------|
| - Robert L. Pigford Teaching Assistant Award · UD | 2016 |
| - Dean's List · NCSU | 2010 – 2013 |
| - College of Engineering Scholarship · NCSU | 2010 – 2012 |
| - Excellence in Organic Chemistry Award · CVCC | 2010 |
| - High Honor Graduate · CVCC | 2010 |
| - Rotaract Club Scholarship · CVCC | 2008 – 2010 |

ORGANIZATIONS AND OUTREACH

- | | |
|---|-------------|
| - Graduate Recruiting Volunteer · UD | 2015, 2016 |
| - American Institute of Chemical Engineers | 2010 – 2016 |
| - Society for Biological Engineering | 2016 |
| - Golden Key International Honour Society | 2012 – 2013 |
| - Gainesville State College Annual Mathematics Tournament | 2009, 2010 |
| - Rotaract Club | 2008 – 2010 |