

Recent Publications

- C. Lang, M. J. Barnett, R. F. Fisher, L. S. Smith, M. E. Diodati, and S. R. Long (2018) Most *Sinorhizobium meliloti* extracytoplasmic function sigma factors control accessory functions mSphere 3:e00454-18.
- N. R. Ratib, E. Y. Sabio, C. Mendoza, M. J. Barnett, S. B. Clover, J. A. Ortega, F. M. Dela Cruz, D. Balderas, H. White, S. R. Long, and E. J. Chen (2018) Genome-wide identification of genes directly regulated by ChvI and a consensus sequence for ChvI binding in *Sinorhizobium meliloti*. Mol. Microbiol. in press: doi: 10.1111/mmi.14119.
- C. Lang, L. S. Smith, C. H. Haney, and S. R. Long (2018) Characterization of novel plant symbiosis mutants using a new multiple gene-expression reporter *Sinorhizobium meliloti* strain. Front. Plant Sci. 9:76.
- A. P. Lehman and S. R. Long (2018) OxyR-dependent transcription response of *Sinorhizobium meliloti* to oxidative stress. J. Bacteriol. 200: e00622-17
- M. J. Barnett and S. R. Long (2018) Novel genes and regulators that influence production of cell surface exopolysaccharides in *Sinorhizobium meliloti*. J. Bacteriol. 200:e00501-17.
- S. R. Long (2016) SnapShot: signaling in symbiosis. Cell 167:582-582 e1.
- H. Ichida and S. R. Long (2016) LDSS-P: an advanced algorithm to extract functional short motifs associated with coordinated gene expression. Nucleic Acids Res. 44:5045-5053.
- K. Wippel and S. R. Long (2016) Contributions of *Sinorhizobium meliloti* transcriptional regulator DksA to bacterial growth and efficient symbiosis with *Medicago sativa*. J. Bacteriol. 198:1374-1383.
- C. Lang and S. R. Long (2015) Transcriptomic analysis of *Sinorhizobium meliloti* and *Medicago truncatula* symbiosis using nitrogen fixation-deficient nodules. Mol Plant Microbe Interact. 28:856-868.
- M. J. Barnett and S. R. Long (2015) The *Sinorhizobium meliloti* SyrM regulon: effects on global gene expression are mediated by *syrA* and *nodD3*. J. Bacteriol. 197:792-806.
- M. C. Peck, R. F. Fisher, R. Bliss, and S. R. Long (2013) Isolation and characterization of mutant *Sinorhizobium meliloti* NodD1 proteins with altered responses to luteolin. J. Bacteriol. 195:3714-3723.
- A. P. Lehman and S. R. Long (2013) Exopolysaccharides from *Sinorhizobium meliloti* can protect against H₂O₂-dependent damage. J. Bacteriol. 195:5362-5369.
- J.-P. Schlüter, J. Reinkensmeier, M. J. Barnett, C. Lang, E. Krol, R. Giegerich, S. R. Long and A. Becker (2013) Global mapping of transcription start sites and promoter motifs in the symbiotic α -proteobacterium *Sinorhizobium meliloti* 1021. BMC Genomics 14:156.
- B. K. Riely, E. Larrainzar, C. H. Haney, J. H. Mun, E. Gil-Quintana, E. M. González, H.J. Yu, D. Tricoli, D. W. Ehrhardt, S. R. Long and D. R. Cook. (2013) Development of tools for the biochemical characterization of the symbiotic receptor-like kinase DMI2. Mol Plant Microbe Interact. 26:216-226.
- M. J. Barnett, A. N. Bittner, C. J. Toman, V. Oke, and S. R. Long. (2012) Dual RpoH sigma factors and transcriptional plasticity in a symbiotic bacterium. J. Bacteriol. 194:4983-4994.