

Recent Publications

- 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.
- A. T. Fields, C. S. Navarrette, A. Z. Zare, Z. Huang, M. Mostafavi, J. C. Lewis, Y. Rezaeihighi, B. J. Brezler, S. Ray, A. L. Rizzacasa, M. J. Barnett, S. R. Long, E. J. Chen and J. C. Chen. (2012) The conserved polarity factor PodJ1 impacts multiple cell envelope associated functions in *Sinorhizobium meliloti*. *Mol. Microbiol.* 84:892-920.
- M. B. Crook, D. P. Lindsay, M. B. Biggs, J. S. Bentley, J. C. Price, S. C. Clement, M. J. Clement, S. R. Long and J. S. Griffitts. (2012) Rhizobial plasmids that cause impaired symbiotic nitrogen fixation and enhanced host invasion. *Mol. Plant-Microbe Interact.* 25:1026-1033.
- C. H. Haney, B. Riely, D. Tricoli, D. R. Cook, D. W. Ehrhardt and S. R. Long (2011) Symbiotic *rhizobia* bacteria trigger a change in localization and dynamics of the *Medicago truncatula* receptor kinase LYK3. *Plant Cell* 23:2774-2787.
- A. Rightmyer and S. R. Long (2011) Pseudonodule formation by wild type and symbiotic mutant *Medicago truncatula* in response to auxin transport inhibitors. *Mol. Plant-Microbe Interact.* 24:1372-1384.
- E. Krol, J. Blom, J. Winnebald, A. Berhörster, M. J. Barnett, A. Goesmann, J. Baumbach, and A. Becker. (2011) RhizoRegNet--a database of rhizobial transcription factors and regulatory networks. *J. Biotechnol.* 155:127-134.
- E. Schnabel, T. Kessaw, L. Smith, J. Marsh, G. E. D. Oldroyd, S. R. Long, J. Frugoli (2011) The ROOT DETERMINED NODULATION 1 gene regulates nodule number in roots of *Medicago truncatula* and defines a highly conserved, uncharacterized plant gene family. *Plant Physiol.* 157:328-340.
- C. L. Harrison, M. B. Crook, G. Peco, S. R. Long, and J. S. Griffitts (2011) Employing site-specific recombination for conditional genetics in *Sinorhizobium meliloti*. *Appl. Environ. Microbiol.* d77:3916-3922.
- C. H. Haney and S. R. Long (2010) Plant flotillins are required for infection by nitrogen-fixing bacteria. *Proc. Natl. Acad. Sci. USA* 107:478-483.
- M. Gao, M. J. Barnett, S. R. Long and M. Teplitski (2010) Role of the *Sinorhizobium meliloti* global regulator Hfq in gene regulation and symbiosis. *Mol. Plant Microbe Interact.* 4:355-365.
- D. Wang, J. Griffitts, C. Starker, E. Fedorova, E. Limpens, S. Ivanov, T. Bisseling and S. R. Long (2010) A nodule-specific protein secretory pathway required for nitrogen-fixing symbiosis. *Science* 327:1126-1129.