C5.4 (H. Puchta)

[C5.4:1] S. Blanck, D. Kobbe, F. Hartung, K. Fengler, M. Focke, and H. Puchta, *A SRS2 homolog from* Arabidopsis thaliana *disrupts recombinogenic DNA intermediates and facilitates single strand annealing,* Nucleic Acids Res. **37**, 7163 (2009)

[C5.4:2] D. Kobbe, S. Blanck, M. Focke, and H. Puchta, *Biochemical characterization of AtRECQ3 reveals significant differences relative to other RecQ helicases,* Plant Physiol. **151**, 1658 (2009)

[C5.4:3] A. Knoll and H. Puchta, *The role of DNA helicases and their interaction partners in genome stability and meiotic recombination in plants*, J. Exp. Bot. **62**, 1565 (2011)

[C5.4:4] T. Ehrenschwender, A. Barth, H. Puchta, and H.A. Wagenknecht, *Metal-mediated DNA assembly using the ethynyl linked terpyridine ligand*, Org. Biomol. Chem. **10**, 46 (2012)

[C5.4:5] D. Klaue, D. Kobbe, F. Kemmerich, A. Kozikowska, H. Puchta, and R. Seidel, *Fork sensing and strand switching control antagonistic activities of RecQ helicases*, Nature Com. **4**, 2024 (2013)

Invited Talks at International Conference

H. Puchta, *Resolution of meiotic recombination intermediates*; EMBO Conference Meiosis, 19th - 23rd September 2009, Isle sur la Sorgue, France

H. Puchta, *Role of human disease genes in genome stability in plants* 9th International Plant Molecular Biology Congress, 25th – 30th October 2010, Gatersleben, St., Louis USA

H. Puchta, *Defining the role of AtRAD5A in DNA repair and recombination*; 1st – 3rd March 2010 Plant DNA Repair and Recombination Meeting Asilomar, USA

H. Puchta, *Multiple DNA repair pathways for Cross-link repair in Arabidopsis*; Society of Experimental Biology, Annual Main Meeting 2010, 30th June – 3rd July 2010 Prague, Czech Republic,

H. Puchta, *Keynote lecture: The plant genome stability and change*; 10th Gatersleben Research Conference 22th - 24rd September 2010, Gatersleben, Germany