



Mr Paul Wilkinson
BSc, MSc

Honorary Research Associate

Life Sciences Building,
24 Tyndall Avenue, Bristol BS8 1TQ
([See a map](#))

paul.wilkinson@bristol.ac.uk

Summary

Memberships

Organisations

[School of Biological Sciences](#)

Labs

- [Cereal Genomics](#)

Recent publications

- Przewieslik-Allen, AM, BurrIDGE, AJ, Wilkinson, PA, Winfield, MO, Shaw, DS, McAusland, L, King, J, King, IP, Edwards, KJ & Barker, GL, 2019, '[Developing a high-throughput SNP-based marker system to facilitate the introgression of traits from Aegilops species into bread wheat \(Triticum aestivum\)](#)'. *Frontiers in Plant Science*, vol 9.
- Cseh, A, Yang, C, Hubbart-Edwards, S, Scholefield, D, Ashling, SS, BurrIDGE, AJ, Wilkinson, PA, King, IP, King, J & Grewal, S, 2019, '[Development and validation of an exome-based SNP marker set for identification of the St, J^r and J^{vs} genomes of Thinopyrum intermedium in a wheat background](#)'. *Theoretical and Applied Genetics*, vol 132., pp. 1555-1570
- BurrIDGE, A, Wilkinson, P, Winfield, M, Barker, G, Przewieslik-Allen, S, Coghill, J, Waterfall, C & Edwards, K, 2018, '[Conversion of array-based single nucleotide polymorphic markers for use in targeted genotyping by sequencing in hexaploid wheat \(Triticum aestivum\)](#)'. *Plant Biotechnology Journal*, vol 16., pp. 867-876
- Grewal, S, Edwards, SH, Yang, C, Scholefield, D, Ashling, S, BurrIDGE, A, Wilkinson, P, King, I & King, J, 2018, '[Detection of T. urartu Introgressions in Wheat and Development of a Panel of Interspecific Introgression Lines](#)'. *Frontiers in Plant Science*, vol 9., pp. 1565
- Allen, AM, Winfield, MO, BurrIDGE, AJ, Downie, RC, Benbow, HL, Barker, GLA, Wilkinson, PA, Coghill, JA, Waterfall, CM, Davassi, A, Scopes, G, Pirani, A, Webster, T, Brew, F, Bloor, C, Griffiths, S, Bentley, A, Alda, M, Jack, P, Phillips, AL & Edwards, KJ, 2017, '[Characterisation of a Wheat Breeders' Array suitable for high throughput SNP genotyping of global accessions of hexaploid bread wheat \(Triticum aestivum\)](#)'. *Plant Biotechnology Journal*, vol 15., pp. 390?401
- Winfield, MO, Allen, AM, Wilkinson, PA, BurrIDGE, AJ, Barker, GL, Coghill, J, Waterfall, C, Wingen, LU, Griffiths, S & Edwards, KJ, 2017, '[High-density genotyping of the A.E. Watkins Collection of hexaploid landraces identifies a large molecular diversity compared to elite bread wheat](#)'. *Plant Biotechnology Journal*.
- BurrIDGE, AJ, Winfield, MO, Allen, AM, Wilkinson, PA, Barker, GL, Coghill, J, Waterfall, C & Edwards, KJ, 2017, '[High-Density SNP Genotyping Array for Hexaploid Wheat and Its Relatives](#)'. in: Prem Bhalla, Mohan Singh (eds) *Wheat Biotechnology: Methods and Protocols*. Humana Press, pp. 293-306
- Wilkinson, PA, Winfield, MO, Barker, GLA, Tyrrell, S, Bian, X, Przewieslik-Allen, S, BurrIDGE, A, Coghill, J, Waterfall, C, Caccamo, M, Davey, R & Edwards, K, 2016, '[CerealsDB 3.0: Expansion of resources and data integration](#)'. *BMC Bioinformatics*, vol 17.
- Winfield, M, Przewieslik-Allen, S, Barker, G, Edwards, K, BurrIDGE, A, Benbow, H, Wilkinson, P, Coghill, J, Waterfall, C, Davassi, A, Scopes, G, Pirani, A, Webster, T, Brew, F, Bloor, C, King, J, West, C, Griffiths, S, King, I & Bentley, A, 2015, '[High-density SNP genotyping array for hexaploid wheat and its secondary and tertiary gene pool](#)'. *Plant Biotechnology Journal*.

- Allen, AM, Barker, GLA, Wilkinson, PA, Burrige, AJ, Winfield, MO, Coghill, JA, Uauy, C, Griffiths, S, Jack, P, Berry, S, Werner, P, Melichar, J, McDougall, J, Gwilliam, R, Robinson, P & Edwards, KJ, 2013, [Discovery and development of exome-based, co-dominant single nucleotide polymorphism markers in hexaploid wheat \(Triticum aestivum L.\)](#). *Plant Biotechnology Journal*, vol 11., pp. 279-295

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