

## Dr Frances Williams' publications

Does type 2 diabetes mellitus promote intervertebral disc degeneration?

Fabiane SM, Ward KJ, Iatridis JC, Williams FM. Eur Spine J. 2016 Jun 6. [Epub ahead of print]

The Association Between Low Back Pain and Composition of IgG Glycome.

Freidin MB, Keser T, Gudelj I, Štambuk J, Vučenović D, Allegri M, Pavić T, Šimurina M, Fabiane SM, Lauc G, Williams FM.

Using omics in chronic pain conditions to delineate mechanisms and provide new therapeutic strategies. Freidin MB, Lauc G, Allegri M, Primorac D, Williams FM.

Pain Manag. 2016 May;6(3):211-5. doi: 10.2217/pmt.16.2. Epub 2016 Mar 14

The Microbiome and Musculoskeletal Conditions of Aging: A Review of Evidence for Impact and Potential Therapeutics. Steves CJ, Bird S, Williams FM, Spector TD. J Bone Miner Res. 2016

Feb;31(2):261-9. doi: 10.1002/jbmr.2765. Review.

The Association between Chronic Widespread Musculoskeletal Pain, Depression and Fatigue Is Genetically Mediated. Burri A, Ogata S, Livshits G, Williams F.

PLoS One. 2015 Nov 24;10(11):e0140289. doi: 10.1371/journal.pone.0140289. eCollection 2015

Joint Stiffness Is Heritable and Associated with Fibrotic Conditions and Joint Replacement. Williams FM, Kalson NS, Fabiane SM, Mann DA, Deehan DJ.

PLoS One. 2015 Jul 21;10(7):e0133629. doi: 10.1371/journal.pone.0133629. eCollection 2015.

Genetic Factors Influencing Coagulation Factor XIII B-Subunit Contribute to Risk of Ischemic Stroke.

Hanscombe KB, Traylor M, Hysi PG, Bevan S, Dichgans M, Rothwell PM, Worrall BB, Seshadri S, Sudlow C; METASTROKE Consortium; Wellcome Trust Case Control Consortium 2, Williams FM, Markus HS, Lewis CM. Stroke. 2015 Aug;46(8):2069-74. doi: 10.1161/STROKEAHA.115.009387. Epub 2015 Jul 9.

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Vertebral endplate (Modic) change is an independent risk factor for episodes of severe and disabling low back pain. Määtä JH, Wadge S, MacGregor A, Karppinen J, Williams FMK.

Spine 2015 in press as ISSLS prizewinner