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Professor of Diabetes

Area of research

Diabetes and Metabolism,
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Summary

Expertise

My main research focus is the epidemiology, aetiology and pathogenesis of type 1 diabetes and related autoimmune conditions, with a particular emphasis on the prediction and prevention of type 1 (insulin-dependent) diabetes. I have particular expertise in the application of autoantibodies to islet antigens in the prediction of type 1 diabetes, and have developed flexible strategies to identify individuals at high risk for development of type 1 diabetes. I have also been involved in international activities for the standardization of diabetes-related autoantibodies. I play a leading role in trials to prevent type 1 diabetes, and lead the UK participation in the multinational network of type 1 diabetes prevention trials (Type 1 Diabetes TrialNet). I also have expertise in clinical aspects of diabetes, particularly type 1 diabetes

- type 1 diabetes
- diabetes prevention
- diabetes autoantibodies

Memberships

Organisations

[Bristol Medical School \(THS\)](#)

Academic staff

- [School of Clinical Sciences Academic Staff](#)

Research groupings

- [Diabetes and Metabolism](#)

Selected publications

- Schlosser, M, Mueller, P, Törn, C, Bonifacio, E, Bingley, P & Participating, L, 2010, '[Diabetes Antibody Standardization Program: evaluation of assays for insulin autoantibodies](#)'. *Diabetologia*, vol 53(12)., pp. 2611 - 2620
- Williams, A, Curnock, R, Reed, C, Easton, P, Rokni, S & Bingley, P, 2010, '[Anti-BSA antibodies are a major cause of non-specific binding in insulin autoantibody radiobinding assays](#)'. *Journal of Immunological Methods*, vol 31;362(1-2)., pp. 199 - 203

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Recent publications

- Aronsson, CA, Lee, H-S, Segerstad, EHA, Uusitalo, U, Yang, J, Koletzko, S, Liu, E, Kurppa, K, Bingley, P, Toppari, J, Ziegler, A-G, She, J-X, Hagopian, W, Rewers, M, Akolkar, B, Krischer, J, Virtanen, SM, Norris, JM & Agardh, D, 2019, '[Association of gluten intake during the first 5 years with incidence of celiac disease autoimmunity and celiac disease among children at increased risk](#)'. *JAMA - Journal of the American Medical Association*, vol 322., pp. 514-523
- , Krischer, JP, Liu, X, Vehik, K, Akolkar, B, Hagopian, WA, Rewers, MJ, She, J-X, Toppari, J, Ziegler, A-G, Lernmark, &x &am;p; Bingley, P, 2019, '[Predicting Islet Cell Autoimmunity and Type 1 Diabetes: An 8-Year TEDDY Study Progress Report](#)'. *Diabetes Care*, vol 42., pp. 1051-1060
- Patterson, CC, Harjutsalo, V, Rosenbauer, J, Neu, A, Cinek, O, Skrivarhaug, T, Rami-Merhar, B, Soltesz, G, Svensson, J, Parslow, RC, Castell, C, Schoenle, EJ, Bingley, PJ, Dahlquist, G, Jarosz-Chobot, PK, Mar■iulionyt■, D, Roche, EF, Rothe, U, Bratina, N, Ionescu-Tirgoviste, C, Weets, I, Kocova, M, Cherubini, V, Putarek, NR, deBeaufort, CE, Samardzic, M & Green, A, 2019, '[Trends and cyclical variation in the incidence of childhood type 1 diabetes in 26 European centres in the 25 year period 1989–2013: a multicentre prospective registration study](#)'. *Diabetologia*, vol 62., pp. 408-417
- , Triolo, TM, Fouts, A, Pyle, L, Yu, L, Gottlieb, PA, Steck, AK & Bingley, P, 2019, '[Identical and Nonidentical Twins: Risk and Factors Involved in Development of Islet Autoimmunity and Type 1 Diabetes](#)'. *Diabetes Care*, vol 42., pp. 192-199
- , Hippich, M, Beyerlein, A, Hagopian, WA, Krischer, JP, Vehik, K, Knoop, J, Winker, C, Toppari, J, Lernmark, &#x, Re;wers, MJ, Steck, AK, She, J-X, Akolkar, B, Robertson, CC, Onengut-Gumuscu, S, Rich, SS, Bonifacio, E, Ziegler, A-G & Bingley, P, 2019, '[Genetic Contribution to the Divergence in Type 1 Diabetes Risk Between Children From the General Population and Children From Affected Families](#)'. *Diabetes*, vol 68., pp. 847-857
- Endesfelder, D, Castell, Wz, Bonifacio, E, Rewers, M, Hagopian, W, She, J-X, Lernmark, A, Toppari, J, Vehik, K, Williams, A, Yu, L, Akolkar, B, Krischer, J, Ziegler, A-G, Achenbach, P, & Bingley, P, 2019, '[Time-resolved autoantibody profiling facilitates stratification of preclinical type 1 diabetes in children](#)'. *Diabetes*, vol 68., pp. 119-130
- Bingley, PJ, Wherrett, DK, Shultz, A, Rafkin, LE, Atkinson, MA & Greenbaum, CJ, 2018, '[Type 1 Diabetes TrialNet: a multifaceted approach to bringing disease-modifying therapy toclinical use in type 1 diabetes](#)'. *Diabetes Care*, vol 41., pp. 653-661
- Bravis, V, Kaur, A, Walkey, HC, Godsland, IF, Misra, S, Bingley, PJ, Williams, AJK, Dunger, DB, Dayan, CM, Peakman, M, Oliver, NS, Johnston, DG & , 2018, '[Relationship between islet autoantibody status and the clinical characteristics of children and adults with incident type 1 diabetes in a UK cohort](#)'. *BMJ Open*, vol 8., pp. e020904

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