

Torben Barington
Professor
Department of Clinical Research
KI, OUH, Research unit of Clinical Immunology (Odense)
Email: torben.barington@rsyd.dk



Curriculum

Milestones

Current position: Professor and consultant, Department of Clinical Immunology, Odense University Hospital and Faculty for Health Sciences, University of Southern Denmark from 1/8 2001.

Chief consultant at Department of Clinical Immunology, Vævstypelaboratoriet, H:S Rigshospitalet from September 1998 to July 2001.

Authorization as a specialist in clinical immunology March 1998.

Doctoral thesis (dr.med.) from the Faculty of Health Sciences, University of Copenhagen, January 1996. Title: Regulation of the human B-lymphocyte response against Haemophilus influenzae type b capsular polysaccharide.

Authorisation to independent praxis as a medical doctor, September 1989.

Authorisation as a medical doctor, January 1987.

MD January 1987 from University of Copenhagen

Current Scientific Positions

Chairman of the Scientific Committee under the Danish Blood Donor Organization (from 2011).

Member of the Advisory Board for the Specialty of Clinical Immunology, Region of Southern Denmark (from January 2007).

Honours

Received Aage og Edith Dyssegaards Fonds æreslegat, 1993.

Silver medal, University of Copenhagen, 1981.

Research Supervision

Previously supervised >30 students during their thesis work.

Employment

Professor

Department of Clinical Research
SDU

1. Aug. 2001 → present

Manager

KI, OUH, Research unit of OPEN - Open Patient data Explorative Network (Odense)
SDU

1. Jan 1998 → 11. May 2019

Research outputs

Early-life exposure to perfluoroalkyl substances and serum antibody concentrations towards common childhood vaccines in 18-month-old children in the Odense Child Cohort

Sigvaldsen, A., Højsager, F. D., Paarup, H. M., Beck, I. H., Timmermann, C. A. G., Boye, H., Nielsen, F., Halldorsson, T. I., Nielsen, C., Möller, S., Barington, T., Grandjean, P. & Jensen, T. K., 1. Feb 2024, In: Environmental Research. 242, p. 117814

A pleiotropic variant in DNAJB4 is associated with multiple myeloma risk

Diciano, M., Giaccherini, M., Clay-Gilmour, A., Macaуда, A., Sainz, J., Machiela, M. J., Rybicka-Ramos, M., Norman, A. D., Tyczyńska, A., Chanock, S. J., Barington, T., Kumar, S. K., Bhatti, P., Cozen, W., Brown, E. E., Suska, A., Haastrup, E. K., Orłowski, R. Z., Dudziński, M. & Garcia-Sanz, R. & 42 others, Kruszewski, M., Martinez-Lopez, J., Beider, K., Iskierka-Jazdzewska, E., Pelosini, M., Berndt, S. I., Rażny, M., Jamroziak, K., Rajkumar, S. V., Jurczyszyn, A., Vangsted, A. J., Collado, P. G., Vogel, U., Hofmann, J. N., Petrini, M., Butrym, A., Slager, S. L., Ziv, E., Subocz, E., Giles, G. G., Andersen, N. F., Mazur, G., Watek, M., Lesueur, F., Hildebrandt, M. A. T., Zawirska, D., Ebbesen, L. H., Marques, H., Gemignani, F., Dumontet, C., Várkonyi, J., Buda, G., Nagler, A., Druzd-Sitek, A., Wu, X., Kadar, K., Camp, N. J., Grzasko, N., Waller, R. G., Vachon, C., Canzian, F. & Campa, D., 15. Jan 2023, In: International Journal of Cancer. 152, 2, p. 239-248

Biomarkers in asthma in the context of atopic dermatitis in young children

Basu, M., Gotthard Mørtz, C., Jensen, T. K., Barington, T., Lambertsen, K. L. & Halken, S., Jul 2022, In: Pediatric Allergy and Immunology. 33, 7, e13823.

Natural moisturizing factors in children with and without eczema: Associations with lifestyle and genetic factors

Basu, M. N., Mortz, C. G., Jensen, T. K., Barington, T. & Halken, S., Feb 2022, In: Journal of The European Academy of Dermatology and Venereology. 36, 2, p. 255-262

Harnessing the Immune System to Fight Multiple Myeloma

Krejciak, J., Barnkob, M. B., Nyvold, C. G., Larsen, T. S., Barington, T. & Abildgaard, N., 10. Sept 2021, In: Cancers . 13, 18, 24 p., 4546.

Expression quantitative trait loci of genes predicting outcome are associated with survival of multiple myeloma patients

Macaуда, A., Piredda, C., Clay-Gilmour, A. I., Sainz, J., Buda, G., Markiewicz, M., Barington, T., Ziv, E., Hildebrandt, M. A. T., Belachew, A. A., Varkonyi, J., Prejzner, W., Druzd-Sitek, A., Spinelli, J., Andersen, N. F., Hofmann, J. N., Dudziński, M., Martinez-Lopez, J., Iskierka-Jazdzewska, E. & Milne, R. L. & 34 others, Mazur, G., Giles, G. G., Ebbesen, L. H., Rymko, M., Jamroziak, K., Subocz, E., Reis, R. M., Garcia-Sanz, R., Suska, A., Haastrup, E. K., Zawirska, D., Grzasko, N., Vangsted, A. J., Dumontet, C., Kruszewski, M., Dutka, M., Camp, N. J., Waller, R. G., Tomczak, W., Pelosini, M., Rażny, M., Marques, H., Abildgaard, N., Wątek, M., Jurczyszyn, A., Brown, E. E., Berndt, S., Butrym, A., Vachon, C. M., Norman, A. D., Slager, S. L., Gemignani, F., Canzian, F. & Campa, D., 15. Jul 2021, In: International Journal of Cancer. 149, 2, p. 327-336

Identification of a clinical signature predictive of differentiation fate of human bone marrow stromal cells

Kowal, J. M., Möller, S., Ali, D., Figeac, F., Barington, T., Schmal, H. & Kassem, M., 3. May 2021, In: Stem Cell Research and Therapy. 12, 15 p., 265.

Fibrocytes in early and long-standing rheumatoid arthritis: A 6-month trial with repeated synovial biopsy, imaging and lung function test

Just, S. A., Nielsen, C., Werlinrud, J. C., Larsen, P. V., Hejbøl, E. K., Tenstad, H. B., Daa Schrøder, H., Barington, T., Torfing, T., Humby, F. & Lindegaard, H., 5. Mar 2021, In: RMD Open. 7, 1

Reduced prevalence of SARS-CoV-2 infection in ABO blood group O

Barnkob, M. B., Pottegård, A., Støvring, H., Haunstrup, T. M., Homburg, K., Larsen, R., Hansen, M. B., Titlestad, K., Aagaard, B., Møller, B. K. & Barington, T., 27. Oct 2020, In: Blood Advances. 4, 20, p. 4990-4993

The quest for ingested peanut protein in human serum

Mose, A. P., Mortz, E., Skov, P. S., Mortz, C. G., Eller, E., Sprogøe, U., Barington, T. & Bindlev-Jensen, C., Jul 2020, In: Allergy. 75, 7, p. 1721-1729

Emerging Approaches for Regulation and Control of CAR T Cells: A Mini Review

Brandt, L. J. B., Barnkob, M. B., Michaels, Y. S., Heiselberg, J. & Barington, T., 26. Feb 2020, In: Frontiers in Immunology. 11, 9 p., 326.

Chimeric Antigen Receptor T Cells Targeting CD79b Show Efficacy in Lymphoma with or without Cotargeting CD19

Ormhøj, M., Scarfò, I., Cabral, M. L., Bailey, S. R., Lorrey, S. J., Bouffard, A. A., Castano, A. P., Larson, R. C., Riley, L. S., Schmidts, A., Choi, B. D., Andersen, R. S., Cédile, O., Nyvold, C. G., Haaber, J., Gjerstorff, M. F., Ditzel, H. J., Weinstock, D. M., Barington, T. & Frigault, M. J. & 1 others, Maus, M. V., 1. Dec 2019, In: Clinical Cancer Research. 25, 23, p. 7046-

Genetic polymorphisms in genes of class switch recombination and multiple myeloma risk and survival: an IMMENSE study

Campa, D., Martino, A., Macaudo, A., Dudziński, M., Suska, A., Druzd-Sitek, A., Raab, M.-S., Moreno, V., Huhn, S., Butrym, A., Sainz, J., Szombath, G., Rymko, M., Marques, H., Lesueur, F., Vangsted, A. J., Vogel, U., Kruszewski, M., Subocz, E. & Buda, G. & 27 others, Iskierka-Jażdżewska, E., Ríos, R., Merz, M., Schöttker, B., Mazur, G., Perrial, E., Martinez-Lopez, J., Butterbach, K., García Sanz, R., Goldschmidt, H., Brenner, H., Jamroziak, K., Reis, R. M., Kadar, K., Dumontet, C., Wątek, M., Haastrup, E. K., Helbig, G., Jurczynszyn, A., Jerez, A., Varkonyi, J., Barington, T., Grzasko, N., Zaucha, J. M., Andersen, V., Zawirska, D. & Canzian, F., Jul 2019, In: *Leukemia and Lymphoma*. 60, 7, p. 1803-1811

Nucleotide composition of human Ig nontemplated regions depends on trimming of the flanking gene segments, and terminal deoxynucleotidyl transferase favors adding cytosine, not guanosine, in most vDJ rearrangements

Funck, T., Barnkob, M. B., Holm, N., Ohm-Laursen, L., Mehlum, C. S., Möller, S. & Barington, T., 15. Sept 2018, In: *Journal of Immunology*. 201, 6, p. 1765-1774

Effect of family nursing therapeutic conversations on health-related quality of life, self-care and depression among outpatients with heart failure: A randomized multi-centre trial

Østergaard, B., Mahrer-Imhof, R., Wagner, L., Barington, T., Videbæk, L. & Lauridsen, J., Aug 2018, In: *Patient Education and Counseling*. 101, 8, p. 1385-1393

Causes of death among full term stillbirths and early neonatal deaths in the Region of Southern Denmark

Basu, M., Johnsen, I. B. G., Wehberg, S., Sørensen, R. G., Barington, T. & Nørgård, B. M., 23. Feb 2018, In: *Journal of Perinatal Medicine*. 46, 2, p. 197-202

S-25-hydroxyvitamin D and C3-epimers in pregnancy and infancy: An Odense child cohort study

Dreier Mydtskov, N., Lykkedegn, S., Fruekilde, P. B. N., Nielsen, J., Barington, T. & Christesen, H. T., Dec 2017, In: *Clinical Biochemistry*. 50, 18, p. 988-996

Fibrocyte measurement in peripheral blood correlates with number of cultured mature fibrocytes in vitro and is a potential biomarker for interstitial lung disease in Rheumatoid Arthritis

Just, S. A., Lindegaard, H., Hejbøl, E. K., Davidsen, J. R., Bjerring, N., Hansen, S. W. K., Schrøder, H. D., Hansen, I. M. J., Barington, T. & Nielsen, C., 18. Jul 2017, In: *Respiratory Research*. 18, 13 p., 141.

Safety, feasibility and tolerability of performing consecutive minimal invasive ultrasound-guided synovial biopsy procedures on the same wrist in a prospective rheumatoid arthritis study

Just, S. A., Nielsen, C., Hejbøl, E. K., Schroder, H. D., Hansen, I. M. J., Barington, T. & Lindegaard, H. M., 17. Jun 2017, In: *Annals of the Rheumatic Diseases*. 76, 2, 1 p., SAT0660.

No diagnostic utility of antibody patterns against *Klebsiella pneumoniae* capsular serotypes in patients with axial spondyloarthritis vs. patients with non-specific low back pain: a cross-sectional study

Hermansen, L. T., Loft, A. G., Christiansen, A. A., Munk, H. L., Gilbert, L., Jurik, A. G., Arnbak, B., Manniche, C., Weber, U., Østergaard, M., Pedersen, S. J., Barington, T., Junker, P., Hørslev-Petersen, K. & Hendricks, O., 2017, In: *Scandinavian Journal of Rheumatology*. 46, 4, p. 296-302

The composition of T cell subtypes in duodenal biopsies are altered in coeliac disease patients

Vagner Steenholt, J., Nielsen, C., Baudewijn, L., Nielsen, A. S., Rasmussen, K. S., Sabir, H. J., Barington, T., Husby, S. & Toft-Hansen, H., 2017, In: *PLOS ONE*. 12, 2, 17 p., e0170270.

Evidence of perturbed germinal center dynamics, but preserved antibody diversity, in end-stage renal disease

Assing, K., Nielsen, C., Jakobsen, M., Scholze, A., Nybo, M., Soerensen, G., Mortensen, S., Nielsen, K. E. V., Barington, T. & Bistrup, C., Jun 2016, In: *Immunity, Inflammation and Disease*. 4, 2, p. 225-234

Low Constitutive Cell Surface Expression of HLA-B Is Caused by a Posttranslational Mechanism Involving Glu180 and Arg239

Dellgren, C., Ekwelum, V. A. C., Ormhøj, M., Pallesen, N., Knudsen, J., Nehlin, J. O. & Barington, T., 2016, In: *Journal of Immunology*. 197, 12, p. 4807-4816

Microchimerism of male origin in a cohort of Danish girls

Müller, A. C., Jakobsen, M. A., Barington, T., Vaag, A. A., Grunnet, L. G., Olsen, S. F. & Kamper-Jørgensen, M., 2016, In: *Chimerism*. 6, 4, p. 65-71

Multicentre comparison of a diagnostic assay: aquaporin-4 antibodies in neuromyelitis optica

Waters, P., Reindl, M., Saiz, A., Schanda, K., Tuller, F., Kral, V., Nytrova, P., Sobek, O., Nielsen, H. H., Barington, T., Lillevang, S. T., Illes, Z., Rentzsch, K., Berthele, A., Berki, T., Granieri, L., Bertolotto, A., Giometto, B., Zuliani, L. & Hamann, D. & 25 others, van Pelt, E. D., Hintzen, R., Höftberger, R., Costa, C., Comabella, M., Montalban, X., Tintoré, M., Siva, A., Altintas, A., Deniz, G., Woodhall, M., Palace, J., Paul, F., Hartung, H.-P., Aktas, O., Jarius, S., Wildemann, B., Vedeler, C., Ruiz, A., Leite, M. I., Trillenber, P., Probst, M., Saschenbrecker, S., Vincent, A. & Marignier, R., 2016, In: *Journal of Neurology, Neurosurgery and Psychiatry*. 87, 9, p. 1005-1015

Prediction of preeclampsia with angiogenic biomarkers: Results from the prospective Odense Child Cohort

Andersen, L. B., Dechend, R., Jørgensen, J. S., Møller Luef, B., Nielsen, J., Barington, T. & Christesen, H. B. T., 2016, In: *Hypertension in Pregnancy*. 35, 3, p. 405-419

Vitamin D insufficiency is associated with increased risk of first-trimester miscarriage in the Odense Child Cohort

Andersen, L. B., Jørgensen, J. S., Jensen, T. K., Dalgård, C., Barington, T., Nielsen, J., Beck-Nielsen, S. S., Husby, S., Abrahamsen, B., Lamont, R. F. & Christesen, H. T., Sept 2015, In: *The American Journal of Clinical Nutrition*. 102, 3, p. 633-638 6 p.

Atopic dermatitis from adolescence to adulthood in the TOACS cohort: prevalence, persistence and comorbidities

Mørtz, C. G., Andersen, K. E., Dellgren, C., Barington, T. & Bindlev-Jensen, C., Jul 2015, In: *Allergy*. 70, 7, p. 836-845

The Odense Child Cohort: Aims, Design, and Cohort Profile

Kyhl, H. B., Jensen, T. K., Barington, T., Buhl, S., Norberg, L. A., Jørgensen, J. S., Jensen, D. F. G., Christesen, H. T., Lamont, R. F. & Husby, S., 10. Mar 2015, In: *Paediatric & Perinatal Epidemiology*. 29, 3, p. 250-258

Infantile Hemophagocytic Lymphohistiocytosis in a Case of Chediak-Higashi Syndrome Caused by a Mutation in the LYST/CHS1 Gene Presenting With Delayed Umbilical Cord Detachment and Diarrhea

Nielsen, C., Agergaard, C. N., Jakobsen, M. A., Møller, M. B., Fisker, N. & Barington, T., 6. Mar 2015, In: *Journal of Pediatric Hematology/Oncology*. 37, 2, p. e73-e79

Sterile DJH rearrangements reveal that distance between gene segments on the human Ig H chain locus influences their ability to rearrange

Hansen, T. Ø., Lange, A. B. & Barington, T., 1. Feb 2015, In: *Journal of Immunology*. 194, 3, p. 973-982

Cell surface expression level variation between two common Human Leukocyte Antigen alleles, HLA-A2 and HLA-B8, is dependent on the structure of the C terminal part of the alpha 2 and the alpha 3 domains

Dellgren, C., Nehlin, J. O. & Barington, T., 2015, In: *PLOS ONE*. 10, 8, 15 p., e0135385.

Diagnosis of preeclampsia with soluble Fms-like tyrosine kinase 1/placental growth factor ratio: an inter-assay comparison

Andersen, L. B., Frederiksen-Møller, B., Work Havelund, K., Dechend, R., Jørgensen, J. S., Jensen, B. L., Nielsen, J., Lykkedegn, S., Barington, T. & Christesen, H. T., 2015, In: *Journal of the American Society of Hypertension*. 9, 2, p. 86-96

Microfibrillar-Associated Protein 4: A Potential Biomarker for Screening for Liver Fibrosis in a Mixed Patient Cohort

Sækmoose, S. G., Mössner, B., Christensen, P. B., Lindvig, K., Schlosser, A., Holst, R., Barington, T., Holmskov, U. & Sorensen, G. L., 2015, In: *PLOS ONE*. 10, 10, 12 p., e0140418.

Immunodeficiency associated with a nonsense mutation of IKBKB

Nielsen, C., Jakobsen, M. A., Larsen, M. J., Müller, A. C., Hansen, S., Lillevang, S. T., Fisker, N. & Barington, T., Nov 2014, In: *Journal of Clinical Immunology*. 34, 8, p. 916-921

Intracoronary Injection of CD34-Cells in Chronic Ischemic Heart Failure: 7 Years Follow-Up of the DanCell Study

Hansen, M., Nyby, S., Eifer Møller, J., Videbæk, L., Kassem, M., Barington, T., Thayssen, P. & Pyndt Diederichsen, A. C., 12. Aug 2014, In: *Cardiology*. 129, 2, p. 69-74

Polybrominated Diphenyl Ethers and Perfluoroalkyl Substances in Serum of Pregnant Women: Levels, Correlations, and Potential Health Implications

Vorkamp, K., Nielsen, F., Kyhl, H. B., Husby, S., Nielsen, L. B., Barington, T., Andersson, A.-M. & Jensen, T. K., Jul 2014, In: *Archives of Environmental Contamination and Toxicology*. 67, 1, p. 9-20

Current exposure of 200 pregnant Danish women to phthalates, parabens and phenols

Tefre de Renzy-Martin, K., Frederiksen, H., Christensen, J. H., Boye Kyhl, H., Andersson, A.-M., Husby, S., Barington, T., Main, K. M. & Jensen, T. K., Apr 2014, In: *Reproduction*. 147, 4, p. 443-453

Assessment of aquaporin-4 (AQP4) antibody assays in European diagnostic centres

Waters, P., Reindl, M., Schanda, K., Tuller, F., Kral, V., Nytrova, P., Sobek, O., Nielsen, H. H., Illes, Z., Barington, T., Lillevang, S. T., Stocker, W., Rentzsch, K., Probst, C., Saschenbrecker, S., Klingbeil, C., Krummrei, U., Berthele, A., Berki, T. & Granieri, L. & 21 others, Bertolotto, A., Giometto, B., Zuliani, L., Hamann, D., Saiz, A., Hoftberger, R., Comabella, M., Riu, C. C., Siva, A., Altintas, A., Deniz, G., Vincent, A., Leite, M. I., Woodhall, M., Palace, J., Paul, F., Aktas, O., Jarius, S., Vedeler, C., Ruiz, A. & Marignier, R., 2014, In: *Journal of Neuroimmunology*. 275, 1-2, p. 15

Treatment of both native and deamidated gluten peptides with an endo-peptidase from *Aspergillus niger* prevents stimulation of gut-derived gluten-reactive T cells from either children or adults with celiac disease

Toft-Hansen, H., Rasmussen, K. S., Nielsen, A. S., Roggen, E. L., Sollid, L. M., Lillevang, S. T., Barington, T. & Husby, S., 2014, In: *Clinical Immunology*. 153, 2, p. 323-331

Enzyme-linked immunosorbent assay characterization of Basal variation and heritability of systemic microfibrillar-associated protein 4

Sækmoose, S. G., Schlosser, A., Holst, R., Johansson, S. L., Wulf-Johansson, H., Tornøe, I., Vestbo, J., Kyvik, K. O., Barington, T., Holmskov, U. & Sørensen, G. L., 4. Dec 2013, In: *PLOS ONE*. 8, 12, p. e82383 13 p., e82383.

Parity and tanned white skin as novel predictors of vitamin D status in early pregnancy: A population-based cohort study

Andersen, L. B., Abrahamsen, B., Dalgård, C., Kyhl, H. B., Beck-Nielsen, S., Nielsen, M. F. M., Jørgensen, J. S., Barington, T. & Christesen, H. T., Sept 2013, In: *Clinical Endocrinology*. 79, 3, p. 333-341

Separate Developmental Programs for HLA-A and -B Cell Surface Expression during Differentiation from Embryonic Stem Cells to Lymphocytes, Adipocytes and Osteoblasts

Sabir, H. J., Nehlin, J. O., Qanie, D., Harkness, L., Prokhorova, T. A., Blagoev, B., Kassem, M., Isa, A. & Barington, T., 2013, In: *PLOS ONE*. 8, 1, p. e54366

Genetical analysis of all Danish patients diagnosed with chronic granulomatous disease

Jakobsen, M. A., Katzenstein, T. L., Valerius, N. H., Roos, D., Fisker, N., Mogensen, T. H., Jensen, P. Ø. & Barington, T., 2012, In: *Scandinavian Journal of Immunology*. 76, 5, p. 505-11 7 p.

Molecular diagnosis of patients with chronic granulomatous disease

Jakobsen, M. A. & Barington, T., 1. Dec 2010, In: *Topics in Current Genetics*. 4, p. 55-64 10 p.

On the mechanism of oscillations in neutrophils

Brasen, J. C., Barington, T. & Olsen, L. F., 1. May 2010, In: *Biophysical Chemistry*. 148, 1-3, p. 82-92 10 p.

Changes in left ventricular filling patterns after repeated injection of autologous bone marrow cells in heart failure patients

Diederichsen, A. C. P., Møller, J. E., Thayssen, P., Videbæk, L., Sækmoose, S. G., Barington, T. & Kassem, M., 17. Mar 2010, In: *Scandinavian Cardiovascular Journal*. 44, 3, p. 139-145

Impaired cell surface expression of HLA-B antigens on mesenchymal stem cells and muscle cell progenitors

Isa, A., Nehlin, J., Sabir, H. J., Andersen, T., Gaster, M., Kassem, M. & Barington, T., 2010, In: *PLOS ONE*. 5, 5, p. e10900

Detection of non-ΔGT NCF-1 mutations in chronic granulomatous disease

Jakobsen, M. A., Pedersen, S. S. & Barington, T., 1. Aug 2009, In: Genetic Testing and Molecular Biomarkers. 13, 4, p. 505-10 5 p.

Strategies for future histocompatible stem cell therapy

Nehlin, J. & Barington, T., 1. Aug 2009, In: Biogerontology. 10, 4, p. 339-76 37 p.

Lack of nonfunctional B-cell receptor rearrangements in a patient with normal B cell numbers despite partial RAG1 deficiency and atypical SCID/Omenn syndrome

Ohm-Laursen, L., Nielsen, C., Fisker, N., Lillevang, S. T. & Barington, T., 1. Sept 2008, In: Journal of Clinical Immunology. 28, 5, p. 588-92 4 p.

Effect of repeated intracoronary injection of bone marrow cells in patients with ischaemic heart failure the Danish stem cell study—congestive heart failure trial (DanCell-CHF)

Diederichsen, A. C. P., Møller, J. E., Thayssen, P., Junker, A. B., Videbaek, L., Saekmose, S. G., Barington, T., Kristiansen, M. & Kassem, M., 1. Jul 2008, In: European Journal of Heart Failure. 10, 7, p. 661-7 6 p.

Identification of a membrane proteomic signature for human embryonic stem cells independent of culture conditions

Harkness, L., Christiansen, H., Nehlin, J., Barington, T., Andersen, J. S. & Kassem, M., 2008, In: Stem Cell Research. 1, 3, p. 219-227 8 p.

Analysis of 6912 unselected somatic hypermutations in human VDJ rearrangements reveals lack of strand specificity and correlation between phase II substitution rates and distance to the nearest 3' activation-induced cytidine deaminase target

Ohm-Laursen, L. & Barington, T., 1. Apr 2007, In: Journal of Immunology. 178, 7, p. 4322-34 12 p.

Expression of human PTPN22 alleles

Nielsen, C., Barington, T., Husby, S. & Lillevang, S. T., 1. Mar 2007, In: Genes and Immunity. 8, 2, p. 131-7 7 p.

No evidence for the use of DIR, D-D fusions, chromosome 15 open reading frames or VH replacement in the peripheral repertoire was found on application of an improved algorithm, JointML, to 6329 human immunoglobulin H rearrangements

Ohm-Laursen, L., Nielsen, M., Larsen, S. R. & Barington, T., 1. Oct 2006, In: Immunology. 119, 2, p. 265-77 12 p.

No evidence for the use of DIR, D-D fusions, chromosome 15 open reading frames or VH replacement in the peripheral repertoire was found when applying an improved algorithm, JointML, to 6329 human immunoglobulin H rearrangements

Laursen, L. O., Nielsen, M., Larsen, S. R. & Barington, T., 2006, In: Immunology. 119, p. 265-277

Stamcelleterapi ved iskæmisk hjertesygdom

Diederichsen, A. C. P., Møller, J. E., Kristiansen, M., Saekmose, S. G., Barington, T., Videbæk, L., Kassem, M. & Thayssen, P., 2006, In: Ugeskrift for Læger. 168, p. 1111-1114

Alternative splice variants of the human PD-1 gene

Nielsen, C., Ohm-Laursen, L., Barington, T., Husby, S. & Lillevang, S. T., 2005, In: Cellular Immunology. 235, 2, p. 109-16 8 p.

Deficiency of Somatic hypermutation of immunoglobulin G transcripts is a better predictor of severe respiratory tract infections than lack of memory B cells in common variable immunodeficiency.

Schjebel, L., Marquart, H., Andersen, V., Permin, H., Svejgaard, A. & Barington, T., 2005, In: Journal of Clinical Immunology. 25, 4, p. 392-403

Deficiency of somatic hypermutation of the antibody light chain is associated with increased frequency of severe respiratory tract infection in common variable immunodeficiency

Andersen, P., Permin, H., Andersen, V., Schejbel, L., Garred, P., Svejgaard, A. & Barington, T., 2005, In: Blood. 105, 2, p. 511-517

Identification of two new alleles, IGHV3-23*04 and IGHJ6*04, and the complete sequence of the IGHV3-h pseudogene in the human immunoglobulin locus and their prevalences in Danish Caucasians.

Ohm-Laursen, L., Larsen, S. R. & Barington, T., 2005, In: Immunogenetics. 57, 9, p. 621-7

Normal ICOS, ICOSL and AID alleles in Danish patients with common variable immunodeficiency.

Ohm-Laursen, L., Schjebel, L., Jacobsen, K., Permin, H., Svejgaard, A. & Barington, T., 2005, In: Scandinavian Journal of Immunology. 61, 6, p. 566-74

Gene therapy of X-linked severe combined immunodeficiency by use of a pseudotyped gammaretroviral vector.

Gaspar, H. B., Parsley, K. L., Howe, S., King, D., Gilmour, K. C., Sinclair, J., Brouns, G., Schmidt, M., Von Kalle, C., Barington, T., Jakobsen, M. A., Christensen, H. O., Al Ghonaium, A., White, H. N., Smith, J. L., Levinsky, R. J., Ali, R. R., Kinnon, C. & Trasher, A. J., 2004, In: Lancet. 364, 9452, p. 2181-2187

Human memory B cells transferred by allogenic bone marrow transplantation contribute significantly to the antibody repertoire of the recipient.

Lausen, B. F., Hougs, L., Schejbel, L., Heilmann, C. & Barington, T., 2004, In: Journal of Immunology. 172, 5, p. 3305-3318

Knocking out IL-6 by vaccination.

Galle, P., Hougs, L., Barington, T., Svenson, M., Svejgaard, A., Thomsen, A. R., Bendtzen, K. & Hansen, M. B., 2004, In: European Journal of Immunology. 34(1), p. 291-300

Three new alleles of IGHG2 and their prevalence in Danish Caucasians, Mozambican Blacks and Japanese

Hougs, L., Garred, P., Kawasaki, T., Kawasaki, N., Svejgaard, A. & Barington, T., 2003, In: HLA. 61, p. 231-239

Virological and immunological profiles among patients with undetectable viral load followed prospectively for 24 months

Katzenstein, T., Ullum, H., Røge, B. T., Wandall, J., Dickmeiss, E., Barington, T., Skinhøj, P. & Gerstoft, J., 2003, In: HIV Medicine. 4, p. 53-61

Cancer risk among patients with IgA deficiency or common variable immunodeficiency and their relatives: A combined Danish and Swedish study

Mellemkjær, L., Hammarström, L., Andersen, V., Yuen, J., Heilmann, C., Barington, T., Björkander, J. & Olsen, J. H., 2002, In: Clinical and Experimental Immunology. 130, p. 495-500

The first constant-domain (CH1) exon of human IGHG2 is polymorphic and in strong linkage disequilibrium with the CH2 exon polymorphism encoding the G2m(n+) allotype in Caucasians

Hougs, L., Svejgaard, A. & Barington, T., 2001, In: Immunogenetics. 52, 3-4, p. 242-8 6 p.

Structural requirements of the major protective antibody to Haemophilus influenzae type b

Hougs, L., Juul, L., Svejgaard, A. & Barington, T., 1999, In: Infection and Immunity. 67, 5, p. 2503-14 11 p.

The first dose of a Haemophilus influenzae type b conjugate vaccine reactivates memory B cells: evidence for extensive clonal selection, intraclonal affinity maturation, and multiple isotype switches to IgA2

Hougs, L., Juul, L., Ditzel, H. J., Heilmann, C., Svejgaard, A. & Barington, T., 1999, In: Journal of Immunology. 162, 1, p. 224-37 13 p.

A new apparently functional IGVK gene (VkLa) present in some individuals only

Juul, L., Hougs, L. & Barington, T., 1. Jun 1998, In: Immunogenetics. 48, 1, p. 40-6 6 p.

Immunological effects of a hyperinsulinaemic euglycaemic insulin clamp in healthy males

Kappel, M., Dela, F., Barington, T., Galbo, H. & Pedersen, B. K., 1998, In: Scandinavian Journal of Immunology. 47, 4, p. 363-8 5 p.

Population studies of the human V kappa A18 gene polymorphism in Caucasians, blacks and Eskimos. New functional alleles and evidence for evolutionary selection of a more restricted antibody repertoire

Juul, L., Hougs, L., Andersen, V., Garred, P., Ryder, L., Svejgaard, A., Høgh, B., Lamm, L., Graugaard, B. & Barington, T., 1997, In: HLA. 49, 6, p. 595-604 9 p.

The normally expressed kappa immunoglobulin light chain gene repertoire and somatic mutations studied by single-sided specific polymerase chain reaction (PCR); frequent occurrence of features often assigned to autoimmunity

Juul, L., Hougs, L., Andersen, V., Svejgaard, A. & Barington, T., 1997, In: Clinical and Experimental Immunology. 109, 1, p. 194-203 9 p.

Antibody response to Haemophilus influenzae type b capsular polysaccharide conjugated to tetanus toxoid in preterm infants

Kristensen, K., Gyhrs, A., Lausen, B., Barington, T. & Heilmann, C., 1996, In: Pediatric Infectious Disease Journal. 15, 6, p. 525-9 4 p.

The progeny of a single virgin B cell predominates the human recall B cell response to the capsular polysaccharide of Haemophilus influenzae type b

Barington, T., Hougs, L., Juul, L., Ryder, L. P., Madsen, H., Heilmann, C. & Svejgaard, A., 1996, In: Journal of Immunology. 157, 9, p. 4016-27 11 p.

Characterization of the antibody response to a Haemophilus influenzae type b conjugate vaccine in children with recurrent lower respiratory tract infection

Kristensen, K., Barington, T., Pressler, T. & Heilmann, C., 1995, In: Allergy. 50, 6, p. 528-31 3 p.

Influence of elevated body temperature on circulating immunoglobulin-secreting cells

Kappel, M., Barington, T., Gyhrs, A. & Pedersen, B. K., 1995, In: International Journal of Hyperthermia. 10, 5, p. 653-8 5 p.

Chronic fatigue syndrome—a controlled cross sectional study

Rasmussen, A. K., Nielsen, H., Andersen, V., Barington, T., Bendtzen, K., Hansen, M. B., Nielsen, L., Pedersen, B. K. & Wiik, A., 1994, In: The Journal of Rheumatology. 21, 8, p. 1527-31 4 p.

Heavy-chain isotype patterns of human antibody-secreting cells induced by Haemophilus influenzae type b conjugate vaccines in relation to age and preimmunity

Barington, T., Juul, L., Gyhrs, A. & Heilmann, C., 1994, In: Infection and Immunity. 62, 8, p. 3066-74 8 p.

Kronisk traethedssyndrom—et kontrolleret tvoersnitsstudie

Rasmussen, A. K., Nielsen, H., Andersen, V., Barington, T., Bendtzen, K., Hansen, M. B., Nielsen, L., Pedersen, B. K. & Wiik, A., 1994, In: Ugeskrift for Læger. 156, 46, p. 6836-40 4 p.

Opposite effects of actively and passively acquired immunity to the carrier on responses of human infants to a Haemophilus influenzae type b conjugate vaccine

Barington, T., Gyhrs, A., Kristensen, K. & Heilmann, C., 1994, In: Infection and Immunity. 62, 1, p. 9-14 5 p.

Non-epitope-specific suppression of the antibody response to Haemophilus influenzae type b conjugate vaccines by preimmunization with vaccine components

Barington, T., Skettrup, M., Juul, L. & Heilmann, C., 1993, In: Infection and Immunity. 61, 2, p. 432-8 6 p.

Rapid analysis of rearranged kappa light chain genes of circulating polysaccharide-specific B lymphocytes by means of immunomagnetic beads and the polymerase chain reaction

Hougs, L., Barington, T., Madsen, H., Ryder, L. P. & Svejgaard, A., 1993, In: Experimental and Clinical Immunogenetics. 10, 3, p. 141-51 10 p.

A simplification of the enzyme-linked immunospot technique. Increased sensitivity for cells secreting IgG antibodies to Haemophilus influenzae type b capsular polysaccharide

Barington, T., Sparholt, S., Juul, L. & Heilmann, C., 8. Dec 1992, In: Journal of Immunological Methods. 156, 2, p. 191-8 7 p.

An improved haemolytic plaque assay for the detection of cells secreting antibody to bacterial antigens

Barington, T. & Heilmann, C., 1992, In: Journal of Immunological Methods. 146, 1, p. 129-37 8 p.

Detection of B-lymphocytes secreting antibodies to Dermatophagoides antigens

Sparholt, S. H., Barington, T. & Schou, C., 1991, In: Clinical and Experimental Allergy. 21, 1, p. 85-90 5 p.

Down-regulation of monocyte functions by treatment of healthy adults with 1 alpha,25 dihydroxyvitamin D3

Müller, K., Gram, J., Bollerslev, J., Diamant, M., Barington, T., Hansen, M. B. & Bendtzen, K., 1991, In: International Journal of Immunopharmacology. 13, 5, p. 525-30 5 p.

Influence of prevaccination immunity on the human B-lymphocyte response to a Haemophilus influenzae type b conjugate vaccine

Barington, T., Kristensen, K., Henrichsen, J. & Heilmann, C., 1991, In: Infection and Immunity. 59, 3, p. 1057-64 7 p.

The role of monocytes and T cells in 1,25-dihydroxyvitamin D3 mediated inhibition of B cell function in vitro

Müller, K., Heilmann, C., Poulsen, L. K., Barington, T. & Bendtzen, K., 1991, In: Immunopharmacology. 21, 2, p. 121-8 7 p.

Quantitation of antibody-secreting cells in the blood after vaccination with Haemophilus influenzae type b conjugate vaccine

Barington, T., Heilmann, C. & Andersen, V., 1990, In: Scandinavian Journal of Immunology. 31, 4, p. 515-22 7 p.

Distribution of kappa and lambda light chain isotypes among human blood immunoglobulin-secreting cells after vaccination with pneumococcal polysaccharides

Heilmann, C. & Barington, T., 1989, In: Scandinavian Journal of Immunology. 29, 2, p. 159-64 5 p.

Subclass of individual IgA-secreting human lymphocytes. Investigation of in vivo pneumococcal polysaccharide-induced and in vitro mitogen-induced blood B cells by monolayer plaque-forming cell assays

Heilmann, C., Barington, T. & Sigsgaard, T., 1988, In: Journal of Immunology. 140, 5, p. 1496-9 3 p.

Measurement of human IL-1 by LIF induction, pancreatic islet-cell cytotoxicity, and bone resorption

Bendtzen, K., Barington, T., Mandrup-Poulsen, T., Pedersen, J. G. & Svenson, M., 1986, In: Lymphokine research. 5, Suppl 1, p. S93-8