

Torben Barington  
Professor  
Klinisk Institut  
KI, OUH, Forskningsenhed for Klinisk Immunologi (Odense)  
E-mail: torben.barington@rsyd.dk



## CV

Professor, MD, research leader and consulting immunologist, Department of Clinical Immunology, Odense University Hospital, Odense, Denmark, and Research Unit for Immunology, Department of Clinical Medicine, Faculty of Health Sciences, University of Southern Denmark, Odense, Denmark.

Leader of the elite research Centre for Immunotherapy of Haematological Cancer Odense (CITCO) from February 2020. My main research interest is cellular immunotherapy of cancer. Focus is on developing CAR T cells targeting novel B-cell targets to counteract relapse due to antigen escape. Furthermore, we study mechanisms to regulated CAR T-cell function to handle adverse effects like cytokine-release syndrome.

## 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

## Publikationer

### 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, I: Environmental Research. 242, s. 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., Haastруп, E. K., Orłowski, R. Z., Dudziński, M. & Garcia-Sanz, R. & 42 flere, Kruszewski, M., Martinez-Lopez, J., Beider, K., Iskierka-Jazdzewska, E., Pelosini, M., Berndt, S. I., Rażny, M., Jamrozak, K., Rajkumar, S. V., Jarczyszyn, 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, I: International Journal of Cancer. 152, 2, s. 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, I: 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., Mørtz, C. G., Jensen, T. K., Barington, T. & Halken, S., feb. 2022, I: Journal of The European Academy of Dermatology and Venereology. 36, 2, s. 255-262

### Harnessing the Immune System to Fight Multiple Myeloma

Krejčík, J., Barnkob, M. B., Nyvold, C. G., Larsen, T. S., Barington, T. & Abildgaard, N., 10. sep. 2021, I: Cancers . 13, 18, 24 s., 4546.

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

Macauda, 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 flere, 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, I: *International Journal of Cancer*. 149, 2, s. 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. maj 2021, I: *Stem Cell Research and Therapy*. 12, 15 s., 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, I: *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. okt. 2020, I: *Blood Advances*. 4, 20, s. 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. & Bindeslev-Jensen, C., jul. 2020, I: *Allergy*. 75, 7, s. 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, I: *Frontiers in Immunology*. 11, 9 s., 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 flere, Maus, M. V., 1. dec. 2019, I: *Clinical Cancer Research*. 25, 23, s. 7046-7057

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

Campa, D., Martino, A., Macauda, 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 flere, Iskierka-Jazdzewska, 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., Jurczyszyn, A., Jerez, A., Varkonyi, J., Barington, T., Grzasko, N., Zaucha, J. M., Andersen, V., Zawirska, D. & Canzian, F., jul. 2019, I: *Leukemia and Lymphoma*. 60, 7, s. 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 v<sub>dj</sub> rearrangements**

Funck, T., Barnkob, M. B., Holm, N., Ohm-Laursen, L., Mehlum, C. S., Möller, S. & Barington, T., 15. sep. 2018, I: *Journal of Immunology*. 201, 6, s. 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, I: *Patient Education and Counseling*. 101, 8, s. 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, I: *Journal of Perinatal Medicine*. 46, 2, s. 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, I: *Clinical Biochemistry*. 50, 18, s. 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, I: *Respiratory Research*. 18, 13 s., 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, I: *Annals of the Rheumatic Diseases*. 76, 2, 1 s., 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, I: *Scandinavian Journal of Rheumatology*. 46, 4, s. 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, I: *PLOS ONE*. 12, 2, 17 s., 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, I: *Immunity, Inflammation and Disease*. 4, 2, s. 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, I: *Journal of Immunology*. 197, 12, s. 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, I: *Chimerism*. 6, 4, s. 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 flere, 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, I: *Journal of Neurology, Neurosurgery and Psychiatry*. 87, 9, s. 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, I: *Hypertension in Pregnancy*. 35, 3, s. 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., sep. 2015, I: *The American Journal of Clinical Nutrition*. 102, 3, s. 633-638 6 s.

**Atopic dermatitis from adolescence to adulthood in the TOACS cohort: prevalence, persistence and comorbidities**  
Mørtz, C. G., Andersen, K. E., Dellgren, C., Barington, T. & Bindslev-Jensen, C., jul. 2015, I: *Allergy*. 70, 7, s. 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, I: *Paediatric & Perinatal Epidemiology*. 29, 3, s. 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, I: *Journal of Pediatric Hematology/Oncology*. 37, 2, s. 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, I: *Journal of Immunology*. 194, 3, s. 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, I: *PLOS ONE*. 10, 8, 15 s., 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, I: *Journal of the American Society of Hypertension*. 9, 2, s. 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, I: *PLOS ONE*. 10, 10, 12 s., 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, I: *Journal of Clinical Immunology*. 34, 8, s. 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., Kasse, M., Barington, T., Thayssen, P. & Pyndt Diederichsen, A. C., 12. aug. 2014, I: *Cardiology*. 129, 2, s. 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, I: *Archives of Environmental Contamination and Toxicology*. 67, 1, s. 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, I: *Reproduction*. 147, 4, s. 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 flere, Bertolotto, A., Giometto, B., Zuliani, L., Hamann, D., Saiz, A., Hofberger, 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, I: *Journal of Neuroimmunology*. 275, 1-2, s. 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, I: *Clinical Immunology*. 153, 2, s. 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, I: *PLOS ONE*. 8, 12, s. e82383 13 s., 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., sep. 2013, I: *Clinical Endocrinology*. 79, 3, s. 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, I: *PLOS ONE*. 8, 1, s. 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, I: *Scandinavian Journal of Immunology*. 76, 5, s. 505-11 7 s.

**Molecular diagnosis of patients with chronic granulomatous disease**

Jakobsen, M. A. & Barington, T., 1. dec. 2010, I: *Topics in Current Genetics*. 4, s. 55-64 10 s.

**On the mechanism of oscillations in neutrophils**

Brasen, J. C., Barington, T. & Olsen, L. F., 1. maj 2010, I: *Biophysical Chemistry*. 148, 1-3, s. 82-92 10 s.

**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, I: *Scandinavian Cardiovascular Journal*. 44, 3, s. 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, I: *PLOS ONE*. 5, 5, s. e10900

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

Jakobsen, M. A., Pedersen, S. S. & Barington, T., 1. aug. 2009, I: *Genetic Testing and Molecular Biomarkers*. 13, 4, s. 505-10 5 s.

**Strategies for future histocompatible stem cell therapy**

Nehlin, J. & Barington, T., 1. aug. 2009, I: *Biogerontology*. 10, 4, s. 339-76 37 s.

**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. sep. 2008, I: *Journal of Clinical Immunology*. 28, 5, s. 588-92 4 s.

**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., Saekmoose, S. G., Barington, T., Kristiansen, M. & Kassem, M., 1. jul. 2008, I: *European Journal of Heart Failure*. 10, 7, s. 661-7 6 s.

**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, I: *Stem Cell Research*. 1, 3, s. 219-227 8 s.

**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, I: Journal of Immunology. 178, 7, s. 4322-34 12 s.

#### **Expression of human PTPN22 alleles**

Nielsen, C., Barington, T., Husby, S. & Lillevang, S. T., 1. mar. 2007, I: Genes and Immunity. 8, 2, s. 131-7 7 s.

**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. okt. 2006, I: Immunology. 119, 2, s. 265-77 12 s.

**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, I: Immunology. 119, s. 265-277

#### **Stamcelleterapi ved iskæmisk hjertesygdom**

Diederichsen, A. C. P., Møller, J. E., Kristiansen, M., Sækmose, S. G., Barington, T., Videbæk, L., Kassem, M. & Thyssen, P., 2006, I: Ugeskrift for Læger. 168, s. 1111-1114

#### **Alternative splice variants of the human PD-1 gene**

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

#### **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, I: Journal of Clinical Immunology. 25, 4, s. 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, I: Blood. 105, 2, s. 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, I: Immunogenetics. 57, 9, s. 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, I: Scandinavian Journal of Immunology. 61, 6, s. 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, I: Lancet. 364, 9452, s. 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, I: Journal of Immunology. 172, 5, s. 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, I: European Journal of Immunology. 34(1), s. 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, I: HLA. 61, s. 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, I: HIV Medicine. 4, s. 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, I: Clinical and Experimental Immunology. 130, s. 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, I: Immunogenetics. 52, 3-4, s. 242-8 6 s.

**Structural requirements of the major protective antibody to Haemophilus influenzae type b**  
Hougs, L., Juul, L., Svejgaard, A. & Barington, T., 1999, I: Infection and Immunity. 67, 5, s. 2503-14 11 s.

**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, I: Journal of Immunology. 162, 1, s. 224-37 13 s.

**A new apparently functional IGVK gene (VKLa) present in some individuals only**  
Juul, L., Hougs, L. & Barington, T., 1. jun. 1998, I: Immunogenetics. 48, 1, s. 40-6 6 s.

**Immunological effects of a hyperinsulinaemic euglycaemic insulin clamp in healthy males**  
Kappel, M., Dela, F., Barington, T., Galbo, H. & Pedersen, B. K., 1998, I: Scandinavian Journal of Immunology. 47, 4, s. 363-8 5 s.

**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, I: HLA. 49, 6, s. 595-604 9 s.

**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, I: Clinical and Experimental Immunology. 109, 1, s. 194-203 9 s.

**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, I: Pediatric Infectious Disease Journal. 15, 6, s. 525-9 4 s.

**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, I: Journal of Immunology. 157, 9, s. 4016-27 11 s.

**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, I: Allergy. 50, 6, s. 528-31 3 s.

**Influence of elevated body temperature on circulating immunoglobulin-secreting cells**

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

**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, I: The Journal of Rheumatology. 21, 8, s. 1527-31 4 s.

**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, I: Infection and Immunity. 62, 8, s. 3066-74 8 s.

**Kronisk traethedssyndrom—et kontrolleret tvørsnitsstudie**

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

**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, I: Infection and Immunity. 62, 1, s. 9-14 5 s.

**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, I: Infection and Immunity. 61, 2, s. 432-8 6 s.

**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, I: Experimental and Clinical Immunogenetics. 10, 3, s. 141-51 10 s.

**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, I: Journal of Immunological Methods. 156, 2, s. 191-8 7 s.

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

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

**Detection of B-lymphocytes secreting antibodies to Dermatophagoides antigens**

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

**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, I: International Journal of Immunopharmacology. 13, 5, s. 525-30 5 s.

**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, I: Infection and Immunity. 59, 3, s. 1057-64 7 s.

**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, I: Immunopharmacology. 21, 2, s. 121-8 7 s.

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

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



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

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

**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, I: Journal of Immunology. 140, 5, s. 1496-9 3 s.

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

Bendzen, K., Barington, T., Mandrup-Poulsen, T., Pedersen, J. G. & Svenson, M., 1986, I: Lymphokine research. 5, Suppl 1, s. S93-8