**Curriculum vitae**

**Role in project:** Supervisor

**PERSONAL INFORMATION**

Oftedal, Bergithe Eikeland

ORCID-ID: orcid.org/0000-0003-4248-7737

Date of Birth: 22.05.1979, female

Nationality: Norwegian

URL to web site: <https://www.uib.no/en/persons/Bergithe.Eikeland.Oftedal>

**CAREER BREAKS**

*10.02.2011-10.09.2011* Maternity-leave, 7 months

**EDUCATION**

*2007- 2012* PhD, Dissertation 10.02.2012. Faculty of Medicine, Department of Clinical Science, UiB (UiB), Norway. Supervised by Professor Eystein S. Husebye

*2003- 2005* Master of Science, Faculty of Mathematics and Natural Sciences, Department of Molecular Biology, UiB, Norway. Supervised by Professor Rune Male

**CURRENT POSITION**

*2022 –* Senior researcher, Starting grant Novo Nordic foundation, Faculty of Medicine, Department of Clinical Science, UiB

**PREVIOUS POSITIONS**

*2019 – 2022* Researcher, KG Jebsen Centre for autoimmune diseases, Faculty of Medicine, Department of Clinical Science, UiB

*2016 –* *2019* Researcher, Department of Paediatrics, University of Oxford and Faculty of, Department of Clinical Science, UiB.

*2013 – 2014* Post. Doc., Department of Genetics and Molecular Pathology, Centre for Cancer Biology, An Alliance Between SA Pathology and the University of South Australia, Australia

*2012 – 2016* Postdoctoral fellow, Faculty of Medicine, Department of Clinical Science, UiB,

*2005 – 2007* Lab-technician, NorDiag ASA, Norway

**FELLOWSHIPS, AWARDS AND PRIZES**

*2022* Scandinavian Society of Immunology, Young Investigator award 2022

*2019* Søren Falch Junior Prize, UiB

*2013-2014* Travel grant from Faculty of Medicine, Department of Clinical Science, UiB

**MOBILITY**

*2016-2018* Department of Paediatrics, Weatherall Institute of Molecular Medicine, University of Oxford, England

*2013-2014* Department of Genetics and Molecular Pathology, Centre for Cancer Biology, An Alliance Between SA Pathology and the University of South Australia, Australia

**SUPERVISION OF GRADUATE STUDENTS AND RESEARCH FELLOWS**

All supervised at Faculty of Medicine, Department of Clinical Science, UiB unless otherwise stated

*2023 – 2026* Main supervisor PhD student Adrianna Jebrzycka (UiB funded, 01.01.23- 31.12.26)

*2022 – 2025* Main supervisor PhD student Isil Kucuka (UiB funded, 03.10.22-02.10.25)

*2022 – 2025* Co-supervisor PhD student Natalia F. Arango, Department of Clinical Dentistry, UiB

*2020 – 2023* Co-supervisor PhD student Thea Sjøgren (Dissertation: September 15th, 2023)

*2019 – 2022* Main supervisor Master students Einevoll, Sjøgren, Majcic. Braun, Gallinat (Erasmus)

*2015 – 2019* Co-supervisor PhD student Øyvind Bruserud

*2011 – 2022* Co-supervisor Master students Jebrzycka, Heimli, Mustafavi, Østre

**TEACHING ACTIVITIES**

*2022* Lecturer in HUIMM905, Department of Clinical Science, UiB

*2021, 2022* Lecturer in Basal Immunology HUIMM320, Department of Clinical Science, UiB

*2015* Lecturer in Immunology BIO128 at Bergen University College

*2015* Lecturer in parts of Cell Biology at Bergen University College

*2012-2016* Basic Course in Medical and Health Related Research, MoFA, UiB, various time points

*2009 +2011* Lecturer in parts of MOL212 Immunology, at Department of Molecular Biology, UiB

**ORGANISATION OF SCIENTIFIC MEETINGS**

*2010 - 2016* Part of the organising committee for the Day of Immunology, on behalf of Norwegian Society for Immunology on an annual basis

*2010* Arrangement committee of the Norwegian Biochemical Society national winter meeting

**INSTITUTIONAL RESPONSIBILITIES**

*2015-2022* Leader, evaluation committee of PhD thesis; K. Hestetur (-22), S. Sakkestad (-21), M. H. Choi (-20), K. A. Mosevoll (-16), M. Karlsen (-15), Dep. of Clinical Science, UiB

*2018-2022* Mid-term evaluator of 6 PhD candidates, Department of Clinical Science, UiB

*2013-2022* Sensor, 3 Bachelor and 4 Master thesis in Nutrition and Farmasi, Dep. of Clinical Science, UiB

*2020 - 2021* Institute representative in the Covid-19 Frontrunners for digital teaching, UiB

*2015 and 2019* Sensor for written exams at BIO128, Bergen University College, Norway

*2019 -* Member of reference group for Committee for career policy lead by Pro-Rector Hagen, UiB

*2019 -* Deputy member of the election committee at the Dep. of Clinical Science, UiB

*2014 –2016* Representative the extended research committee Dep. of Clinical Science, UiB

**PROJECT MANAGEMENT EXPERIENCE**

*2022-2027* “21-Hydroxylase reactive B cells and their immunotherapeutic potential in autoimmune Addison’s disease”. Funded by the Novo Nordic Fundation. 10 000 000 DKK. **Oftedal is the project leader**.

*2021-2024*  “Will B-cell tell the tales? Autoimmune B cells in Addison’s disease”. Funded by the Regional Health Authorities Western Norway. 3 000 000 NOK, **Oftedal is the project leader**.

*2017-2021* “KG Jebsen center for autoimmune disorders”. A national centre established in Bergen, where Oftedal is a principal investigator. Funded by KG Jebsen, 18 000 000.

*2017-2020* “Identification of novel monogenic autoimmune syndromes”. Partners are Husebye, Bratland and Wolff. Funded by Norwegian Research Council, 4 000 000 NOK.

*2016-2019* “New perspectives on regulation of peripheral tissue antigen expression within the thymus”. **Oftedal is the project leader.** Partners are Georg Holländer and Eystein Husebye. Funded by the Norwegian Research Council. 3 328 000 NOK. A MARIE SKŁODOWSKA-CURIE Fellowship

**COMMISSIONS OF TRUST**

*2022-* Reviewer grant applications for the Regional Health Authorities Mid-Norway

*2020-* Board member Norwegian Society for Immunology

*2018-* Associated Editor, Understanding Health, Frontiers for Young Minds

*2018-* Review Editor in Immunological Tolerance and Regulation, Frontiers

*2016-* Reviewer for Molecular Immunology, Scandinavian Journal of Immunology, International Journal of Human Anatomy, Frontiers in Immunology, Nature Communications Biology

*2009-2016* Board member Norwegian Society of Immunology, Bergen Branch

*2007-2011* Board member Norwegian Biochemical Society, Bergen, Norway

**MEMBERSHIPS OF ACADEMIES / SCIENTIFIC SOCIETIES**

*2010 - dd* Member of the Norwegian Society for Immunology

**MAJOR COLLABORATIONS**

o Professor Eystein S. Husebye, Department of Clinical Science, University of Bergen, Bergen, Norway, collaboration regarding the registry of organ specific autoimmune diseases o Professor Georg Höllander, Weatherall Institute of Molecular Medicine, University of Oxford, Oxford, UK, collaboration on thymus research including mouse models o Professor Hamish S. Scott, Molecular Pathology, SA Health, Adelaide, Australia, collaboration on rare genetic variants conferring human disease o Professor Jakub Abramson, Weismann Institute of Science, Rehovot, Israel, collaboration on mouse model generation

**TALKS AND CONFERENCES**

*2022* **Invited speaker** at the 20th Meeting of The European Society for Immunodeficiencies (ESID), Gothenburg, October 12-15, 2022; **Panel debate** Sustainability in Medical Research, Litteraturhuset i Bergen 16th of June, 2022, **Invited speaker** at the Scandinavian Society of Immunology’s meeting, Reykjavik, June 12-14, 2022, **Invited speaker** at the ECE 2022, Milan, Italy, 21 -24 May 2022

*2016* **Invited speaker**, 12th Annual Symposium on Primary Immunodeficiency Diseases, California, USA,**Selected speaker** at the 43rd Scandinavian Society for Immunology meeting, Turku, Finland.

*2015*  **Selected speaker** at The Thymus Meeting 2015, Venice, Italy

**LIST OF PEER REVIEWED PUBLICATIONS**

h-index: 16; number of total peer-reviewed publications 40; 36 original papers, 4 review papers, in addition 3 book chapters. Number of citations: 757 (webofknowledge.com)

**Original papers the last 7 years:**

36. *A partial form of AIRE deficiency underlies a mild form of Autoimmune Polyendocrine Syndrome Type 1.*

Oftedal BE, Berger AH, Bruserud Ø, Goldfarb Y, Sulen A, Breivik L, Hellesen A, Ben-Dor S, Haffner-Krausz R , Knappskog PM, Johansson S, Wolff ASB, Bratland E, Abramson J, Husebye ES.

Accepted in Journal of Clinical Investigation August 2023, in print 30th of October 2023

35. *Regulatory T cells in autoimmune primary adrenal insufficiency.*

Sjøgren T, Bjune JI, Husebye ES, **Oftedal BE**, Wolff ASB.

Clin Exp Immunol. 2023 Aug 14: uxad087. doi: 10.1093/cei/uxad087. Online ahead of print.

34. *Vaccination prevents severe COVID-19 outcome in patients with neutralizing type 1 interferon autoantibodies.*

Wolff ASB, Hansen L, Grytaas MA, **Oftedal BE**, Breivik L, Zhou F, Hufthammer KO, Sjøgren T, Olofsson JS, Trieu MC, Meager A, Jørgensen AP, Lima K, Greve-Isdahl Mohn K, Langeland N, Cox RJ, Husebye ES.

iScience. 2023 Jul 21;26(7):107084. doi: 10.1016/j.isci.2023.107084. Epub 2023 Jun 9.

33. *Dominant-negative heterozygous mutations in AIRE confer diverse autoimmune phenotypes.*

**Oftedal BE**, Assing K, Baris S, Safgren SL, Johansen IS, Jakobsen MA, Babovic-Vuksanovic D, Agre K, Klee EW, Majcic E, Ferré EMN, Schmitt MM, DiMaggio T, Rosen LB, Rahman MO, Chrysis D, Giannakopoulos A, Garcia MT, González-Granado LI, Stanley K, Galant-Swafford J, Suwannarat P, Meyts I, Lionakis MS, Husebye ES.

iScience. 2023 May 5;26(6):106818. doi: 10.1016/j.isci.2023.106818. eCollection 2023 Jun 16.

32. *Systemic interferon type I and B cell responses are impaired in autoimmune polyendocrine syndrome type 1.*

**Oftedal BE**, Delaleu N, Dolan D, Meager A, Husebye ES, Wolff ASB.

FEBS Lett. 2023 Apr 13. doi: 10.1002/1873-3468.14625. Online ahead of print. PMID: 37052889

31. *Autoantibodies to Perilipin-1 Define a Subset of Acquired Generalized Lipodystrophy*.

Mandel-Brehm C, Vazquez SE, Liverman C, Cheng M, Quandt Z, Kung AF, Parent A, Miao B, Disse E, Cugnet-Anceau C, Dalle S, Orlova E, Frolova E, Alba D, Michels A, **Oftedal BE**, Lionakis MS, Husebye ES, Agarwal AK, Li X, Zhu C, Li Q, Oral E, Brown R, Anderson MS, Garg A, DeRisi JL.

Diabetes. 2023 Jan 1;72(1):59-70. doi: 10.2337/db21-1172.PMID: 35709010

30. *Screening patients with autoimmune endocrine disorders for cytokine autoantibodies reveals monogenic immune deficiencies.*

Sjøgren T, Bratland E, Røyrvik EC, Grytaas MA, Benneche A, Knappskog PM, Kämpe O, **Oftedal BE**, Husebye ES, Wolff ASB.

J Autoimmun. 2022 Dec;133:102917. doi: 10.1016/j.jaut.2022.102917. Epub 2022 Sep 30. PMID: 36191466

29. *Extrathymic expression of Aire modulates the induction of effective TH17 cell-mediated immune response to Candida albicans.*

*J Dobeš, O Ben-Nun, A Binyamin, L Stoler-Barak,* ***BE Oftedal****, Y Goldfarb, N Kadouri, Y Gruper, T Givony, I Zalayat, K Kováčová, H Böhmová, E Valter, Z Shulman, D Filipp, ES Husebye, J Abramson*

Nature Immunology. 2022

28. *Transcriptional Changes in Regulatory T Cells from Patients With Autoimmune Polyendocrine Syndrome Type 1 Suggest Functional Impairment of Lipid Metabolism and Gut Homing*.

Berger AH, Bratland E, Sjøgren T, Heimli M, Tyssedal T, Bruserud Ø, Johansson S, Husebye ES, **Oftedal BE**, Wolff ASB.

Front Immunol. 2021 Aug 30;12:722860. doi: 10.3389/fimmu.2021.722860. eCollection 2021.

27. *Mechanistic dissection of dominant AIRE mutations in mouse models reveals AIRE autoregulation*

Y. Goldfarb, T. Givony, N. Kadouri, J. Dobeš, C. Peligero-Cruz, I. Zalayat, G. Damari, B. Dassa, S. Ben-Dor, Y. Gruper**, BE. Oftedal**, E. Bratland, MM. Erichsen, A. Berger, A. Avin, S. Nevo, U. Haljasorg, Y. Kuperman, A. Ulman, R. Haffner-Krausz, Z. Porat, U. Atasoy, D. Leshkowitz, ES. Husebye, J. Abramson

J Exp Med. 2021 Nov 1;218(11):e20201076. doi: 10.1084/jem.20201076. Epub 2021 Sep 3.

26. *The chaperonin CCT8 controls proteostasis essential for T cell maturation, selection, and function*

**BE Oftedal**, S Maio, A Händel, MPJ White, D Howie, S Davis, N Prevot, IA Rota, ME Deadman, BM Kessler, R Fischer, NS Trede, E Sezgin, RM Maizels, GA Holländer

Nature Communications Biology, Commun. Biol 4, 681 (2021). https://doi.org/10.1038/s42003-021-02203-0

25. *The natural history of 21-hydroxylase autoantibodies in autoimmune Addison’s disease*

ASB Wolff, L Breivik, KO Hufthammer, MA Grytaas, E Bratland, ES Husebye, and **BE Oftedal**

DOI: https://doi.org/10.1530/EJE-20-1268, Volume/Issue: Volume 184: Issue 4, Page Range: 607–615

24. *GWAS for autoimmune Addison's disease identifies multiple risk loci and highlights AIRE in disease susceptibility.*

D Eriksson, EC Røyrvik, M Aranda-Guillén, AH Berger, N Landegren, HA Alvarez, Å Hallgren, M Grytaas, S Ström, E Bratland, I Botusan, **BE Oftedal** ,…, S Johansson, O Kämpe, ES Husebye.

Nat Commun. 2021 Feb 11;12(1):959. doi: 10.1038/s41467-021-21015-8.

23. *Coexistence of Congenital Adrenal Hyperplasia and Autoimmune Addison's Disease.*

Aslaksen S, Methlie P, Vigeland MD, Jøssang DE, Wolff AB, Sheng Y, **Oftedal BE**, Skinningsrud B, Undlien DE, Selmer KK, Husebye ES, Bratland E.

Front Endocrinol (Lausanne). 2019 Sep 27;10:648. doi: 10.3389/fendo.2019.00648.

22. *Identification and characterization of rare toll-like receptor 3 variants in patients with autoimmune Addison's disease.*

Aslaksen S, Wolff AB, Vigeland MD, Breivik L, Sheng Y, **Oftedal BE**, Artaza H, Skinningsrud B, Undlien DE, Selmer KK, Husebye ES, Bratland E.

J Transl Autoimmun. 2019 May 28;1:100005. doi: 10.1016/j.jtauto.2019.100005.

21*. 21-hydroxylase autoantibodies are more prevalent in Turner syndrome but without an association to the autoimmune polyendocrine syndrome type I.*

Berglund A, Cleemann L, **Oftedal BE**, Holm K, Husebye ES, Gravholt CH.

Clin Exp Immunol. 2018 Oct 29. doi: 10.1111/cei.13231. PMID: 30372540

20*. Oral microbiota in autoimmune polyendocrine syndrome type 1.*

Bruserud Ø, Siddiqui H, Marthinussen MC, Chen T, Jonsson R, **Oftedal BE**, Olsen I, Husebye ES, Wolff AB.

J Oral Microbiol. 2018 Feb 26;10(1):1442986. doi: 10.1080/20002297.2018.1442986. PMID: 29503707

19. *Altered Immune Activation and IL-23 Signaling in Response to Candida albicans in Autoimmune*

*Polyendocrine Syndrome Type 1.*

Bruserud Ø, Bratland E, Hellesen A, Delaleu N, Reikvam H, **Oftedal BE**, Wolff ASB.

Front Immunol. 2017 Sep 1;8:1074. doi: 10.3389/fimmu.2017.01074. eCollection 2017.

PMID: 28919897

18*. Salivary gland dysfunction in patients with autoimmune polyendocrine syndrome type I*

**Bergithe E. Oftedal**, Mihaela Cuida, Martina M. Erichsen, Maria Tveiterås, Anja Østre, Daniel Hammenfors, Malin Johnsson, Kai Kisand, Reinhild Klein, Roland Jonsson, Anette S. B. Wolff..

Autoimmunity. 2017 Jun;50(4):211-222. doi: 10.1080/08916934.2017.1344972. Epub 2017 Jul 7.

PMID: 28686485

17*. Expanding the phenotypic and genotypic landscape of autoimmune polyendocrine syndrome type-1.* Elizaveta M. Orlova, Leila S. Sozaeva, Maria A. Kareva, **Bergithe E. Oftedal**, Anette S.B. Wolff, Lars Breivik, Ekaterina Y. Zakharova, Olle Kämpe, Per M. Knappskog, Valentina A. Peterkova, Eystein S. Husebye. J Clin Endocrinol Metab. 2017 Sep 1;102(9):3546-3556. doi: 10.1210/jc.2017-00139. PMID: 28911151

16*. T cell receptor assessment in autoimmune disease requires access to the most adjacent immunologically active organ*

**Oftedal, B.E**., Lundgren, B.A., Hamm, D., Finstermeier, K., Gan, P.Y., Holdsworth, S.R., Hahn, C.N., Schreiber, A.W., and Scott, H.S.

J Autoimmun. 2017 Mar 15. pii: S0896-8411(16)30344-4. doi: 10.1016/j.jaut.2017.03.002. [Epub ahead of print]. PMID: 28318808