

Bobby Lo
Gastromedicinsk Afdeling AHH
Gastroenheden AHH
Adresstype: Postadresse.
Kettegård Allé 30
2650
Hvidovre
Danmark



Primære forskningsområder

Main research areas

A medical researcher with several years of experience in epidemiological research and the use of artificial intelligence in connection with disease characterisation and disease prediction among patients with Crohn's disease and ulcerative colitis. Furthermore, several experiences as an investigator on clinical trials.

Currently, the main focus is *The PRESAGER project* which involves new innovative IT methods to better classify the many aspects (including endoscopy and histology) of Crohn's disease and ulcerative colitis by utilising, e.g. artificial intelligence in an interdisciplinary collaboration with the Department of Computer Science at the University of Copenhagen. The results will pave the way for new and better tools to help the clinician choose the proper treatment for patients with Crohn's disease and ulcerative colitis; and, in the long run, predict the course of the disease in the individual patient.

Employment

Gastrounit, Medical Division

The Capital Region of Denmark
Hvidovre, Denmark
15 Oct 2012 → present

Researcher

Copenhagen IBD Centre
Denmark
Projects

Impact on gut microbiota, weight loss and weight development by probiotic supplement (Vivomixx)

01/10/2014 → ...

Presager project – Use of computer science in classifying and predicting disease course in Inflammatory bowel disease

01/01/2020 → ...

The International COVID GI Study

01/01/2020 → ...

Prizes

Y-ECCO Congress Abstract Award (2021)

Lo, Bobby (Recipient), 2021

Dissemination

Oral presentations of original research at UEG Week, DDW, ECCO

Reviewer for some of the highest-ranking international journals incl. American Journal of Gastroenterology

Invited speaker for events and meetings

Ansættelse

Gastromedicinsk Afdeling AHH

Region Hovedstaden
Hvidovre, Danmark
15 okt. 2012 → present

Gastroenheden AHH

Region Hovedstaden
Hvidovre, Danmark
15 okt. 2012 → present

Researcher

Copenhagen IBD Centre
Danmark

Projekter

Impact on gut microbiota, weight loss and weight development by probiotic supplement (Vivomixx)

Halkjær, S. I. (Projektdeltager), Lo, B. (Projektdeltager), Cortes, D. (Projektdeltager), Mirsepasi-Lauridsen, H. C. (Projektdeltager), Andersen, L. O. (Projektdeltager), Stensvold, C. R. (Projektdeltager), Worning, P. (Projektdeltager), Kallemose, T. (Projektdeltager), Krogfelt, K. A. (Projektdeltager) & Petersen, A. M. (Projektdeltager)
01/10/2014 → ...

Presager project – Use of computer science in classifying and predicting disease course in Inflammatory bowel disease

Lo, B. (Projektdeltager)
01/01/2020 → ...

The International COVID GI Study

Lo, B. (Projektdeltager)
01/01/2020 → ...

Priser

Y-ECCO Congress Abstract Award (2021)

Lo, B. (Modtager), 2021

DISSEMINATION

Oral presentations of original research at UEG Week, DDW, ECCO
Reviewer for some of the highest-ranking international journals incl. American Journal of Gastroenterology
Invited speaker for events and meetings

Publikationer

Changes in nasal and throat microbiota composition during and after mupirocin and chlorhexidine decolonisation treatment in asymptomatic MRSA carriers: a longitudinal observational study

Edslev, S. M., Liu, C. M., Lo, B. Z. S., Meiniche, H., Lilje, B., Park, D. E., Rendboe, A., Pham, T., Salazar, J. E., Toudahl, T., Ingham, A. C., Aziz, M., Bartels, M. D., Andersen, P. S., Skov, R. L., Price, L. B. & Stegger, M., 24 feb. 2026, (E-pub ahead of print) I: Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases.

Improving the Real-Time Classification of Disease Severity in Ulcerative Colitis: Artificial Intelligence as the Trigger for a Second Opinion

Lo, B., Møller, B., Igel, C., Wildt, S., Vind, I., Bendtsen, F., Burisch, J. & Ibragimov, B., 1 feb. 2026, I: The American journal of gastroenterology. 121, 2, s. 396-403 8 s.

Clinical Trial: Evaluating a Single 1600mg Tablet Regimen of 5-Aminosalicylate for Ulcerative Colitis-The EASI Trial

Nordestgaard, R. L. M., Lo, B., Bergstrøm, R., Adzioski, I., Skotte, H., Hawwa, I. M., Holme, S. K., Tiftikci, B., Majchrzak, K., Vind, I., Bendtsen, F. & Burisch, J., nov. 2025, I: Alimentary Pharmacology and Therapeutics. 62, 9, s. 877-886 10 s.

Incidence and Long-Term Outcomes of Pouchitis in Ulcerative Colitis Patients

Bergstrøm, R., Lo, B., Toft, E., Schmidt, S., Kaiser, S., Kudernatsch, R., Bulut, O., Bendtsen, F. & Burisch, J., nov. 2025, I: United European Gastroenterology Journal. 13, 9, s. 1765-1775 11 s.

Histological, But Neither Clinical Nor Endoscopic Activity Predicts the Risk of Colectomy in Patients With Ulcerative Colitis Treated With Biologics

Zhao, M., Riis, L. B., Lo, B., Attaubi, M., Ovesen, P. D., Wewer, M. D., Larsen, L., Dige, A., Hvas, C. L., Poulsen, A., Christiansen, D., Nagras, Z. G., Dahlin, P., Petersen, A. M., Bendtsen, F., Seidelin, J. & Burisch, J., 1 aug. 2025, I: Inflammatory Bowel Diseases. 31, 8, s. 2134-2143 10 s.

Global evolution of inflammatory bowel disease across epidemiologic stages

Hracs, L., Windsor, J. W., Gorospe, J., Cummings, M., Coward, S., Buie, M. J., Quan, J., Goddard, Q., Caplan, L., Markovinović, A., Williamson, T., Abbey, Y., Abdullah, M., Abreu, M. T., Ahuja, V., Raja Ali, R. A., Altuwajiri, M., Balderramo, D., Banerjee, R. & Benchimol, E. I. & 31 flere, Bernstein, C. N., Brunet-Mas, E., Burisch, J., Chong, V. H., Dotan, I., Dutta, U., El Ouali, S., Forbes, A., Forss, A., Geary, R., Dao, V. H., Hartono, J. L., Hilmi, I., Hodges, P., Jones, G.-R., Juliao-Baños, F., Kaibullayeva, J., Kelly, P., Kobayashi, T., Kotze, P. G., Lakatos, P. L., Lees, C. W., Limsrivilai, J., Lo, B., Loftus, E. V., Ludvigsson, J. F., Mak, J. W. Y., Miao, Y., Ng, K. K., Okabayashi, S. & Global IBD Visualization of Epidemiology Studies in the 21st Century (GIVES-21) Research Group, jun. 2025, I: *Nature*. 642, 8067, s. 458-466 9 s.

Clinical Outcomes After First-Line Anti-Tumor-Necrosis-Factor Treatment of Patients With Inflammatory Bowel Disease-A Prospective Multicenter Cohort Study

Zhao, M., Larsen, L., Dige, A., Poulsen, A., Lo, B., Attauabi, M., Dige Ovesen, P., Wewer, M. D., Christiansen, D., Hvas, C. L., Petersen, A. M., Bendtsen, F., Seidelin, J. & Burisch, J., 8 maj 2025, I: *Journal of Crohn's & colitis*. 19, 5, jjae192.

Probiotic Treatment of Ulcerative Colitis with *Trichuris suis ova*: A Randomised, Double-blinded, Placebo-controlled Clinical Trial [the PROCTO Trial]

Prosberg, M. V., Halkjær, S. I., Lo, B., Bremerskov-Köser, C., Ilvemark, J. F. K. F., Seidelin, J. B., Kristiansen, M. F., Kort, A., Kallemose, T., Bager, P., Bendtsen, F., Nordgaard-Lassen, I., Kapel, H. S., Kringel, H., Kapel, C. M. O. & Petersen, A. M., 4 nov. 2024, I: *Journal of Crohn's & colitis*. 18, 11, s. 1879-1893 15 s.

Building an AI Support Tool for Real-Time Ulcerative Colitis Diagnosis

Møller, B. L., Lo, B. Z. S., Burisch, J., Bendtsen, F., Vind, I., Ibragimov, B. & Igel, C., nov. 2024, I: *KI - Kunstliche Intelligenz*. 38, s. 169-176 8 s.

Specific Antibiotics Increase the Risk of Flare-Ups in Patients with Inflammatory Bowel Disease: Results from a Danish Nationwide Population-Based Nested Case-Control Study

Lo, B., Biederman, L., Rogler, G., Dora, B., Kreienbühl, A., Vind, I., Bendtsen, F. & Burisch, J., 14 aug. 2024, I: *Journal of Crohn's & colitis*. 18, 8, s. 1232-1240 9 s.

The first steps towards clinical application of artificial intelligence in inflammatory bowel diseases

Lo, B., jan. 2024

Exploring the Impact of Covid-19-Related Perceptions on Psychological Distress and Quality of Life in an International Gastrointestinal Cohort Over Time Guided by the Common Sense Model

Knowles, S. R., Möller, S. P., Stengel, A., Mikocka-Walus, A., Ferreira, N., Trindade, I. A., Mokrowiecka, A., Burisch, J., Barreiro-de Acosta, M., Bernstein, C. N., Lo, B. & Skvarc, D., dec. 2023, I: *Journal of clinical psychology in medical settings*. 30, 4, s. 804-820 17 s.

Disease course and treatment outcomes of Crohn's disease patients with early or late surgery - A Danish nationwide cohort study from 1997 to 2015

Sarikaya, M. Z., Zhao, M., Lo, B., Bendtsen, F. & Burisch, J., 1 jul. 2023, I: *Digestive and liver disease : official journal of the Italian Society of Gastroenterology and the Italian Association for the Study of the Liver*. 55, 7, s. 872-879 8 s.

Fecal microbiota transplantation for the treatment of irritable bowel syndrome: A systematic review and meta-analysis

Halkjær, S. I., Lo, B., Cold, F., Højer Christensen, A., Holster, S., König, J., Brummer, R. J., Aroniadis, O. C., Lahtinen, P., Holvoet, T., Gluud, L. L. & Petersen, A. M., 28 maj 2023, I: *World Journal of Gastroenterology*. 29, 20, s. 3185-3202 18 s.

Identifying patients with inflammatory bowel disease in the Danish National Patient Register

Lo, B., Zhao, M. & Burisch, J., 27 mar. 2023, I: *Danish Medical Journal*. 70, 4, A07220458.

The incidence and prevalence of paediatric- and adult-onset inflammatory bowel disease in Denmark during a 37-year period - a nationwide cohort study (1980-2017)

Dorn-Rasmussen, M., Lo, B., Zhao, M., Kaplan, G. G., Malham, M., Wewer, V. & Burisch, J., 18 mar. 2023, I: *Journal of Crohn's & colitis*. 17, 2, s. 259-268 10 s.

Survey uncovering variations in the management of primary sclerosing cholangitis across Europe

Eliasson, J., Lo, B., Scramm, C., Chazouilleres, O., Folseraas, T., Beuers, U. & Ytting, H., nov. 2022, I: JHEP reports : innovation in hepatology. 4, 11, s. 100553 100553.

High accuracy in classifying endoscopic severity in ulcerative colitis using convolutional neural network

Lo, B., Liu, Z., Bendtsen, F., Igel, C., Vind, I. & Burisch, J., 1 okt. 2022, I: The American journal of gastroenterology. 117, 10, s. 1648-1654 7 s., 0000000000001904.

Extending the Common Sense Model to Explore the Impact of the Fear of COVID-19 on Quality of Life in an International Inflammatory Bowel Disease Cohort

Hayes, B., Apputhurai, P., Mikocka-Walus, A., Barreiro-de Acosta, M., Bernstein, C. N., Burgell, R., Burisch, J., Bennebroek Evertsz, F., Ferreira, N., Graff, L. A., Trindade, I. A., Geary, R., Lo, B., Mokrowiecka, A., Moser, G., Petrik, M., Stengel, A. & Knowles, S. R., sep. 2022, I: Journal of clinical psychology in medical settings. 29, 3, s. 678-688 11 s.

Fear of COVID-19 Among Patients with Inflammatory Bowel Disease as Compared to Patients with Other Gastrointestinal Conditions

Lo, B., Barreiro-de Acosta, M., Bernstein, C. N., Burisch, J., Ferreira, N., Geary, R. B., Mikocka-Walus, A., Mokrowiecka, A., Trindade, I. A. & Knowles, S. R., aug. 2022, I: The Turkish journal of gastroenterology : the official journal of Turkish Society of Gastroenterology. 33, 8, s. 664-672 9 s.

Histological Inflammation in the Endoscopically Uninflamed Mucosa is Associated With Worse Outcomes in Limited Ulcerative Colitis

de Frias Gomes, C. G., de Almeida, A. S. R., Mendes, C. C. L., Ellul, P., Burisch, J., Buhagiar, T., Attard, A., Lo, B., Ungaro, R. C., da Silva Morão, B. T., Gouveia, C. F., de Carvalho E Branco, J. M. D., Rodrigues, J. M. M. P., Teixeira, C., Dias de Castro, M. F. F., Nunes, G. F. D., Brito, M., de Sousa Antunes, M. C., Borralho Nunes, P. M. F. B. & da Silva Torres, J. M. T., 2 mar. 2022, I: Inflammatory Bowel Diseases. 28, 3, s. 350-357 8 s., izab069.

The impact of the coronavirus (COVID-19) pandemic on individuals with gastrointestinal disorders: A protocol of an international collaborative study

Ferreira, N., Mikocka-Walus, A., van Tilburg, M. A. L., Graff, L. A., Apputhurai, P., Acosta, M.B.-D., Evertsz, F. B., Burisch, J., Lo, B., Petrik, M., Trindade, I. A., Jedel, S., Moser, G., Mokrowiecka, A., Bernstein, C. N., Dumitrascu, D., Ford, A. C., Stengel, A., Geary, R. & Knowles, S. R., sep. 2021, I: Journal of Psychosomatic Research. 148, s. 1-7 7 s., 110561.

The risk of extra-intestinal cancer in inflammatory bowel disease: a systematic review and meta-analysis of population-based cohort studies

Lo, B., Zhao, M., Vind, I. & Burisch, J., 1 jun. 2021, I: Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association. 19, 6, s. 1117-1138 22 s., 19.

Validation of ulcerative colitis and Crohn's disease and their phenotypes in the Danish National Patient Registry using a population-based cohort

Lo, B., Vind, I., Vester-Andersen, M. K. & Burisch, J., 2 okt. 2020, I: Scandinavian Journal of Gastroenterology. 55, 10, s. 1171-1175 5 s.

Systematic review of the prevalence and development of osteoporosis or low bone mineral density and its risk factors in patients with inflammatory bowel disease

Kärnsund, S., Lo, B., Bendtsen, F., Holm, J. & Burisch, J., 21 sep. 2020, I: World Journal of Gastroenterology. 26, 35, s. 5362-5374 13 s.

Incidence, risk factors and evaluation of osteoporosis in patients with inflammatory bowel disease - a Danish population-based inception cohort with 10 years of follow-up

Lo, B., Holm, J. P., Vester-Andersen, M. K., Bendtsen, F., Vind, I. & Burisch, J., 30 jul. 2020, I: Journal of Crohn's & colitis. 14, 7, s. 904-914 11 s.

Multistrain Probiotic Increases the Gut Microbiota Diversity in Obese Pregnant Women: Results from a Randomized, Double-Blind Placebo-Controlled Study

Halkjær, S. I., de Knecht, V. E., Lo, B., Nilas, L., Cortes, D., Pedersen, A. E., Mirsepasi-Lauridsen, H. C., Andersen, L. O., Nielsen, H. V., Stensvold, C. R., Johannesen, T. B., Kallermose, T., Krogfelt, K. A. & Petersen, A. M., jul. 2020, I: Current

Developments in Nutrition. 4, 7, s. 1-13 13 s., nzaa095.

Fecal microbiota transplantation for treatment of irritable bowel syndrome

Halkjær, S. I., Lo, B., Cold, F., Christensen, A. H. H., Gluud, L. L. & Petersen, A. M., 18 maj 2020, I: Cochrane Database of Systematic Reviews. 2020, 5, s. 1-14 14 s., CD013602.

Direct and Indirect Costs of Inflammatory Bowel Disease: Ten Years of Follow Up in a Danish Population-Based Inception Cohort

Lo, B., Vind, I., Vester-Andersen, M. K., Bendtsen, F. & Burisch, J., 1 jan. 2020, I: Journal of Crohn's & colitis. 14, 1, s. 53-63 11 s.

Health-related quality of life in inflammatory bowel disease in a Danish population-based inception cohort

Christiansen, L. K., Lo, B., Bendtsen, F., Vind, I., Vester-Andersen, M. K. & Burisch, J., aug. 2019, I: United European Gastroenterology Journal. 7, 7, s. 942-954 13 s.

A 10-Year Follow-up Study of the Natural History of Perianal Crohn's Disease in a Danish Population-Based Inception Cohort

Zhao, M., Lo, B., Vester-Andersen, M. K., Vind, I., Bendtsen, F. & Burisch, J., 18 jun. 2019, I: Inflammatory Bowel Diseases. 25, 7, s. 1227-1236 10 s.

Paediatric onset inflammatory bowel disease is a distinct and aggressive phenotype - a comparative population-based study

Knudsen, M. M., Jakobsen, C., Vester-Andersen, M. K., Lo, B., Pærregaard, A., Vind, I. & Wewer, A. V., 2019, I: GastroHep.. 1, 6, s. 266-273 8 s.

Faecal microbiota transplantation alters gut microbiota in patients with irritable bowel syndrome: results from a randomised, double-blind placebo-controlled study

Halkjær, S. I., Christensen, A. H., Lo, B., Browne, P. D., Günther, S., Hansen, L. H. & Petersen, A. M., 1 dec. 2018, I: Gut. 67, 12, s. 2107-2115

Disease activity, steroid use and extraintestinal manifestation are associated with increased disability in patients with inflammatory bowel disease using the inflammatory bowel disease disability index: a cross-sectional multicentre cohort study

Lo, B., Julsgaard, M., Vester-Andersen, M. K., Vind, I. & Burisch, J., 1 sep. 2018, I: European journal of gastroenterology & hepatology. 30, 10, s. 1130-1136

Changes in Disease Behaviour and Location in Patients With Crohn's Disease After Seven Years of Follow-Up: A Danish Population-based Inception Cohort

Lo, B., Vester-Andersen, M. K., Vind, I., Prosberg, M., Dubinsky, M., Siegel, C. A., Bendtsen, F. & Burisch, J., 1 maj 2018, I: Journal of Crohn's & colitis. 12, 3, s. 265-272

Characterization of the enhancer and promoter landscape of inflammatory bowel disease from human colon biopsies

Boyd, M., Thodberg, M., Vitezic, M., Bornholdt, J., Vitting-Seerup, K., Chen, Y., Coskun, M., Li, Y., Lo, B., Klausen, P., Jan Schweiger, P., Pedersen, A. G., Rapin, N., Skovgaard, K., Dahlgaard, K., Andersson, R., Terkelsen, T. B., Lilje, B., Troelsen, J. T. & Petersen, A. M. & 6 flere, Jensen, K. B., Gögenur, I., Thielsen, P., Seidelin, J. B., Nielsen, O. H. & Sandelin, A., 1 apr. 2018, I: Nature Communications. 9, 1, s. 1661

Systematic review and meta-analysis: assessment of factors affecting disability in inflammatory bowel disease and the reliability of the inflammatory bowel disease disability index

Lo, B., Prosberg, M. V., Gluud, L. L., Chan, D. W., Leong, R. W., van der List, E., van der Have, M., Sarter, H., Gower-Rousseau, C., Peyrin-Biroulet, L., Vind, I. & Burisch, J., 1 jan. 2018, I: Alimentary Pharmacology and Therapeutics. 47, 1, s. 6-15