

CURRICULUM VITAE

Moran Yassour

1. PERSONAL INFORMATION

Date of Birth: April 22nd, 1979

Country of Birth: United States of America

Date of Immigration: August 1979

ID number: 011859733

Nationality: Israeli & American

Permanent address: 5 Bialik Street, Apt 2, Jerusalem 96221

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2. HIGHER EDUCATION

2002-2005	BSc in computer science and computational biology (<i>magna cum laude</i>), The Hebrew University of Jerusalem, Israel.
2005-2007	MSc in computer science and computational biology (<i>magna cum laude</i>), The Hebrew University of Jerusalem, Israel (advised by Nir Friedman).
2007-2012	PhD in computer science and computational biology, The Hebrew University of Jerusalem, Israel (jointly advised by Nir Friedman and Aviv Regev).
2008-2012	Graduate student at the Broad Institute of MIT and Harvard University; Visiting student at MIT.

3. OCCUPATION

2012-2018	Postdoctoral fellow at the Broad Institute of MIT and Harvard University (jointly advised by Eric Lander and Ramnik Xavier).
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4. APPOINTMENTS AT THE HEBREW UNIVERSITY

2018-	Senior lecturer at the Microbiology & Molecular Genetics department, Hebrew University Faculty of Medicine.
2019-	Senior lecturer at the School of Computer Science and Engineering, Hebrew University of Jerusalem.

5. ADDITIONAL FUNCTIONS/TASKS AT THE HEBREW UNIVERSITY

- Head of the Computer Science & Computational Biology Program at Hebrew University (2025- ongoing)
- MSc advisor to the Computer Science & Computational Biology master's program (2019-2024)
- Institutional committee for planning staff housing (2020)
- Academic committee of the new Hebrew University Computational Research cluster (2021-2022)
- Institutional committee for strategic planning at the Hebrew University (research subcommittee; 2022)

6. SERVICE IN OTHER ACADEMIC AND RESEARCH INSTITUTIONS

- PhD committee member in TAU (2021-ongoing)
- Founding member of the Israeli association of Microbiome, recently established by Eran Elinav & Omry Koren, with a representation of each Israeli university (2021- ongoing).
- Scientific advisory board member for a large consortium of microbiome researchers in Canada (2021-ongoing)

7. OTHER ACTIVITY

- 2012 - ongoing: Referee for international scientific journals including Nature, Nature Microbiology, Science, Science Translational Medicine, Cell Host & Microbe.
- 2020 - ongoing: A member of the "MADAAN BARESHET" program of the Davidson Institute, where I teach high school students about scientific topics
- 2020 - ongoing: Speaker at multiple events for promoting women in STEM
- 2022 - ongoing: Board member at the Jerusalem Zoo (representing the public, voluntary)

Organizing committee

- Cold Spring Harbor Laboratory Microbiome meeting - CSHL, 2019
- Cold Spring Harbor Laboratory Microbiome meeting - CSHL, 2020
- Cold Spring Harbor Laboratory Microbiome meeting - CSHL, 2022
- Cold Spring Harbor Laboratory Microbiome meeting - CSHL, 2024

8. PRIZES AND AWARDS

- 2009 – Google Anita Borg Memorial Scholarship
- 2010 – Clore Doctoral Scholarship
- 2010 – Google European Doctoral Fellowship (declined)
- 2011 – Lawrence H. Summers Fellowship
- 2012 – Yad Hanadiv Postdoctoral Fellowship
- 2012 – The Klarman Family and Israeli Science Foundation Postdoctoral Fellowship
- 2016 – Charles A. King Trust Foundation postdoctoral fellowship
- 2018 – Azrieli faculty fellow - promising young faculty members
- 2022 – Krill award (Wolf foundation) - research accomplishments for a non-tenured faculty member
- 2023 – Hebrew University prize for excellence in research and teaching for young female faculty member
- 2024 – Hebrew University Faculty of Medicine award for excellent scientific publication, given for: Large-scale implementation of pooled saliva tests for universal screening of cCMV infection. Nature Medicine (2024)
- 2025 – Hebrew University Faculty of Medicine award for an excellent study in pediatric infectious diseases

9. RESEARCH GRANTS

1. ISF, Parental influences on the establishment of the infant gut microbiome, 2018, ₪1,080,000, PI
2. Azrieli Foundation, The establishment of the infant gut microbiome, 2018, ₪675,119, PI
3. ISF, The specialization of the infant gut microbiome -- a trans-continent comparison., 2018, ₪644,382, PI
4. ISF, Characterizing the strain-level microbial inheritance from mothers with Inflammatory Bowel Diseases (IBD) to their newborn children, 2019, ₪1,450,000, PI
5. Rothschild Foundation, Analysis of SARS-CoV-2 RT-PCR and serology data combined with clinical and laboratory parameters for optimizing diagnostic strategies and identifying prognostic biomarkers, 2020, ₪212,000, PI
6. Extended Support for Data Science Center - Israel Planning and Budgeting Committee, A University-Wide Multi-Disciplinary Data Science Education and Training Program, Daphna Shahaf, Yuval Benjamini, Yuval Hart, Liron Shani, Matan Gavish, Tommy Kaplan*, Danny Ben-Zvi*, Asaf Levy*, Moran Yassour*, Shai Rosenberg*, ₪1,950,000 – joint with all members with *, out of the total funding of ₪6,308,000. (2020)

7. Helmsley Foundation, Assessment of the microbiome and its relationship to host cfDNA profile in Crohn's Disease, 2021, ₪3,020,344/₪5,887,224, CoPI. Additional CoPIs: Yuval Dor & Eyal Shteyer.
8. CIDR, The effect of progesterone treatment on vaginal microbiome in pregnant women at high risk for preterm delivery, 2021, ₪80,000/₪80,000, CoPI. With Shay Porat.
9. Waterloo Foundation, The personalization of infant gut bacteria to mother's breast-milk composition, 2022, ₪274,116, PI
10. Israel Ministry of Health, Characterizing human milk oligosaccharide utilization by infant gut Bacteroides species, 2022, ₪150,000, PI.
11. Google Ventures, support for the lab, 2022, \$250,000. PI.
12. ISF-IPMP, Identification and mechanistic characterization of barrier-modulating gut microbiota in premature infants, 2022, ₪1,250,000/₪2,600,000, CoPI. Additional CoPIs: Nissan Yissachar, Noa Ofek-Shlomai.
13. ISF, Antibiotic resistance in the gut microbiome of preterm infants and its implication on infant growth and overall health, 2025, ₪750,000, CoPI, with Noa Ofek-Shlomai.

9. COURSES TAUGHT

a. Bachelor's degree courses

- 76552 – Workshop in Computational Bioskills (2 n"z; 2019-Ongoing)
- 69203 – The digestive system - from structure to function in the healthy human being (0.15 n"z; 2019-Ongoing)
- 96133 – Mathematics for Medical Sciences (1 n"z; 2021-2024)
- 67538 – Tutorial Work (6 n"z; 2021-Ongoing)

b. Master's degree courses

- 76551 – Lab in Computational Biology (0 n"z; 2019-Ongoing)
- 81823 – Workshop in Processing and Visualizing Biological Data (2 n"z; 2020-Ongoing)
- 94201 – The Microbial World- Advanced Issues in Microbiology (0.57 n"z; 2021-Ongoing)
- 76550 – MSc seminar in Computational Biology (2 n"z; with two additional teachers, 2022-Ongoing)

LIST OF PUBLICATIONS

ISI H-INDEX: 26

CITATIONS: 26,138

Google Scholar H-INDEX: 28

CITATIONS: 37,127

DOCTORAL DISSERTATION

1. Characterizing Transcriptomes from High-throughput Sequencing Data, The Hebrew University, 2012. Supervised by Nir Friedman (HUJI) and Aviv Regev (MIT).

CHAPTERS IN COLLECTIONS

1. Cher A., **Yassour M.** The compositional development of the microbiome in early life. The Human Microbiome in Early Life (pages 177-195), 2021

PEER-REVIEWED ARTICLES

1. **Yassour M**, Kaplan T, Jaimovich A, Friedman N. **Nucleosome positioning from tiling microarray data.** Vol. 24, *Bioinformatics*. 2008. p. i139–46.

2. **Yassour M**, Kaplan T, Fraser HB, Levin JZ, Pfiffner J, Adiconis X, Schroth G, Luo S, Khrebtukova I, Gnirke A, Nusbaum C, Thompson D-A, Friedman N, Regev A. **Ab initio construction of a eukaryotic transcriptome by massively parallel mRNA sequencing.** *Proc Natl Acad Sci U S A*. 2009 Mar 3;106(9):3264–9.
3. Weiner A, Hughes A, **Yassour M**, Rando OJ, Friedman N. **High-resolution nucleosome mapping reveals transcription-dependent promoter packaging.** *Genome Res*. 2010 Jan;20(1):90–100.
4. Kim TS, Liu CL, **Yassour M**, Holik J, Friedman N, Buratowski S, Rando OJ. **RNA polymerase mapping during stress responses reveals widespread nonproductive transcription in yeast.** *Genome Biol*. 2010 Jul 16;11(7):R75.
5. **Yassour M**, Pfiffner J, Levin JZ, Adiconis X, Gnirke A, Nusbaum C, Thompson D-A, Friedman N, Regev A. **Strand-specific RNA sequencing reveals extensive regulated long antisense transcripts that are conserved across yeast species.** *Genome Biol*. 2010 Aug 26;11(8):R87.
6. Levin JZ*, **Yassour M***, Adiconis X, Nusbaum C, Thompson DA, Friedman N, Gnirke A, Regev A. **Comprehensive comparative analysis of strand-specific RNA sequencing methods.** *Nat Methods*. 2010 Sep;7(9):709–15.
7. Grabherr MG*, Haas BJ*, **Yassour M***, Levin JZ, Thompson DA, Amit I, Adiconis X, Fan L, Raychowdhury R, Zeng Q, Chen Z, Mauceli E, Hacohen N, Gnirke A, Rhind N, di Palma F, Birren BW, Nusbaum C, Lindblad-Toh K, Friedman N, Regev A. **Full-length transcriptome assembly from RNA-Seq data without a reference genome.** *Nat Biotechnol*. 2011 May 15;29(7):644–52.
8. Rhind N, Chen Z, **Yassour M**, Thompson DA, Haas BJ, Habib N, Wapinski I, Roy S, Lin MF, Heiman DI, Young SK, Furuya K, Guo Y, Pidoux A, Chen HM, Robbertse B, Goldberg JM, Aoki K, Bayne EH, Berlin AM, Desjardins CA, Dobbs E, Dukaj L, Fan L, FitzGerald MG, French C, Gujja S, Hansen K, Keifenheim D, Levin JZ, Mosher RA, Müller CA, Pfiffner J, Priest M, Russ C, Smialowska A, Swoboda P, Sykes SM, Vaughn M, Vengrova S, Yoder R, Zeng Q, Allshire R, Baulcombe D, Birren BW, Brown W, Ekwall K, Kellis M, Leatherwood J, Levin H, Margalit H, Martienssen R, Nieduszynski CA, Spatafora JW, Friedman N, Dalgaard JZ, Baumann P, Niki H, Regev A, Nusbaum C. **Comparative functional genomics of the fission yeasts.** *Science*. 2011 May 20;332(6032):930–6.
9. Brar GA, **Yassour M**, Friedman N, Regev A, Ingolia NT, Weissman JS. **High-resolution view of the yeast meiotic program revealed by ribosome profiling.** *Science*. 2012 Feb 3;335(6068):552–7.
10. Haas BJ, Papanicolaou A, **Yassour M**, Grabherr M, Blood PD, Bowden J, Couger MB, Eccles D, Li B, Lieber M, MacManes MD, Ott M, Orvis J, Pochet N, Strozzi F, Weeks N, Westerman R, William T, Dewey CN, Henschel R, LeDuc RD, Friedman N, Regev A. **De novo transcript sequence reconstruction from RNA-seq using the Trinity platform for reference generation and analysis.** *Nat Protoc*. 2013 Aug;8(8):1494–512.
11. Gevers D, Kugathasan S, Denson LA, Vázquez-Baeza Y, Van Treuren W, Ren B, Schwager E, Knights D, Song SJ, **Yassour M**, Morgan X, Kostic AD, Luo C, González A, McDonald D, Haberman Y, Walters T, Baker S, Rosh J, Stephens M, Heyman M, Markowitz J, Baldassano R, Griffiths A, Sylvester F, Mack D, Kim S, Crandall W, Hyams J, Huttenhower C, Knight R, Xavier RJ. **The treatment-naïve microbiome in new-onset Crohn's disease.** *Cell Host Microbe*. 2014 Mar 12;15(3):382–92.
12. **Yassour M**, Lim MY, Yun HS, Tickle TL, Sung J, Song Y-M, Lee K, Franzosa EA, Morgan XC, Gevers D, Lander ES, Xavier RJ, Birren BW, Ko G, Huttenhower C. **Sub-clinical detection of gut microbial biomarkers of obesity and type 2 diabetes.** *Genome Med*. 2016 Feb 17;8(1):17.

13. Vatanen T, Kostic AD, d'Hennezel E, Siljander H, Franzosa EA, **Yassour M**, Kolde R, Vlamakis H, Arthur TD, Hämäläinen A-M, Peet A, Tillmann V, Uibo R, Mokurov S, Dorshakova N, Ilonen J, Virtanen SM, Szabo SJ, Porter JA, Lähdesmäki H, Huttenhower C, Gevers D, Cullen TW, Knip M, DIABIMMUNE Study Group, Xavier RJ. **Variation in Microbiome LPS Immunogenicity Contributes to Autoimmunity in Humans.** *Cell*. 2016 Jun 2;165(6):1551.
14. **Yassour M**, Vatanen T, Siljander H, Hämäläinen A-M, Härkönen T, Ryhänen SJ, Franzosa EA, Vlamakis H, Huttenhower C, Gevers D, Lander ES, Knip M, DIABIMMUNE Study Group, Xavier RJ. **Natural history of the infant gut microbiome and impact of antibiotic treatment on bacterial strain diversity and stability.** *Sci Transl Med*. 2016 Jun 15;8(343):343ra81.
15. Hall AB, **Yassour M**, Sauk J, Garner A, Jiang X, Arthur T, Lagoudas GK, Vatanen T, Fornelos N, Wilson R, Bertha M, Cohen M, Garber J, Khalili H, Gevers D, Ananthakrishnan AN, Kugathasan S, Lander ES, Blainey P, Vlamakis H, Xavier RJ, Huttenhower C. **A novel *Ruminococcus gnavus* clade enriched in inflammatory bowel disease patients.** *Genome Med*. 2017 Nov 28;9(1):103.
16. Shields-Cutler RR, Al-Ghalith GA, **Yassour M**, Knights D. **SplinectomeR Enables Group Comparisons in Longitudinal Microbiome Studies.** *Front Microbiol*. 2018 Apr 23;9:785.
17. **Yassour M**, Jason E, Hogstrom LJ, Arthur TD, Tripathi S, Siljander H, Selvenius J, Oikarinen S, Hyöty H, Virtanen SM, Ilonen J, Ferretti P, Pasolli E, Tett A, Asnicar F, Segata N, Vlamakis H, Lander ES, Huttenhower C, Knip M, Xavier RJ. **Strain-Level Analysis of Mother-to-Child Bacterial Transmission during the First Few Months of Life.** *Cell Host Microbe*. 2018 Jul 11;24(1):146–54.e4.
18. Ferretti P, Pasolli E, Tett A, Asnicar F, Gorfer V, Fedi S, Armanini F, Truong DT, Manara S, Zolfo M, Beghini F, Bertorelli R, De Sanctis V, Bariletti I, Canto R, Clementi R, Cologna M, Crifò T, Cusumano G, Gottardi S, Innamorati MG Masè C, Postai D, Savoi D, Duranti S, Lugli GA, Mancabelli L, Turrone F^C, Ferrario MG Milani MG MangifestaM, Anzalone R, Viappiani A, **Yassour M**, Vlamakis H, Xavier R, Collado CM, Koren O, Tateo S, SoffiatiM, Pedrotti A, VenturaM, HuttenhoweR, Bork P, Segata N. **Mother-to-Infant Microbial Transmission from Different Body Sites Shapes the Developing Infant Gut Microbiome.** *Cell Host Microbe*. 2018 Jul 11;24(1):133–45.e5.
19. Graham DB, Luo C, O'Connell DJ, Lefkovith A, Brown EM, **Yassour M**, Varma M, Abelin JG, Conway KL, Jasso GJ, Matar CG, Carr SA, Xavier RJ. **Antigen discovery and specification of immunodominance hierarchies for MHCII-restricted epitopes.** *Nat Med*. 2018 Nov;24(11):1762–72.
20. Vatanen T, Plichta DR, Somani J, Münch P MG Arthur TD, Hall AB, Rudolf S, Oakeley EJ, Ke X, Young RA, Haiser HJ, Kolde R, **Yassour M**, Luopajarvi K, Siljander H, Virtanen SM, Ilonen J, Uibo R, Tillmann V, Mokurov S, Dorshakova N, Porter JA, McHardy A MG Lähdesmäki H, Vlamakis H, HuttenhoweR, Knip M, Xavier RJ. **Genomic variation and strain-specific functional adaptation in the human gut microbiome during early life.** *Nat Microbiol*. 2019 Mar;4(3):470–9.
21. Ben-Ami R, Klochendler A, Seidel M, Sido T, Gurel-Gurevich O, **Yassour M**, Meshorer E, Benedek G, Fogel I, Oiknine-Djian E, Gertler A, Rotstein Z, Lavi B, Dor Y, Wolf DG, Salton M, Drier Y, Hebrew University-Hadassah COVID-19 Diagnosis Team. **Large-scale implementation of pooled RNA extraction and RT-PCR for SARS-CoV-2 detection.** *Clin Microbiol Infect*. 2020 Jun 23.
22. Mitchell CM, Mazzoni C, Hogstrom L, Bryant A, Bergerat A, Cher A, Pochan S, Herman P, Carrigan M, Sharp K, Huttenhower MG Lander ES, Vlamakis H, Xavier RJ, **Yassour M**. **Delivery Mode Affects Stability of Early Infant Gut Microbiota.** *Cell Rep Med*. 2020 Dec 22;1(9):100156.

23. Barak N, Ben-Ami R, Sido T, Perri A, Shtoyer A, Rivkin M, Licht T, Peretz A, Magenheim J, Fogel I, Livneh A, Daitch Y, Oiknine-Djian E, Benedek G, Dor Y, Wolf DG, **Yassour M**, Hebrew University-Hadassah COVID-19 Diagnosis Team. **Lessons from applied large-scale pooling of 133,816 SARS-CoV-2 RT-PCR tests.** *Sci Transl Med.* 2021 Feb 22.
24. Moskovitz M, Nassar M, Moriel N, Cher A, Faibis S, Ram D, Zangen D, **Yassour M***, Steinberg D. **Characterization of the Oral Microbiome Among Children With Type 1 Diabetes Compared With Healthy Children.** *Front Microbiol.* 2021 Oct 29;12:756808.
25. Vaishnav ED de Boer CG, Molinet J, **Yassour M**, Fan L, Adiconis X, Thompson DA, Levin JZ, Cubillos FA, Regev A. **The evolution, evolvability and engineering of gene regulatory DNA.** *Nature.* 2022 Mar;603(7901):455–63.
26. Kijner S, Cher A, **Yassour M.** **The Infant Gut Commensal *Bacteroides dorei* Presents a Generalized Transcriptional Response to Various Human Milk Oligosaccharides.** *Front Cell Infect Microbiol.* 2022 Mar 18;12:854122.
27. Dahan E, Martin VM, **Yassour M.** **EasyMap - an interactive web tool for evaluating and comparing associations of clinical variables and microbiome composition.** *Front Cell Infect Microbiol,* May 2022.
28. Vorontsov O, Levitt L, Lilleri D, Vainer GW, Caplan O, Schreiber L, Arossa A, Spinillo A, Furione M, Alfi O, Oiknine-Djian E, KupervaserM, Nevo Y, Elgavish S, **Yassour M**, ZavattoniM, Bdolah-Abram T, Baldanti F, Geal-DorM, Zakay-Rones Z, Yanai N, Yagel S, Panet A, Wolf DG. **Chemerin and galectin-3-binding protein are prognostic amniotic fluid biomarkers for congenital cytomegalovirus infection severity.** *J Clin Invest.* 2022 Apr 19.
29. Martin VM, Virkud YV, Dahan E, Seay HL, Itzkovits D, Vlamakis H, Xavier RJ, Shreffler WG, Yuan Q & **Yassour M.** **Longitudinal disease-associated gut microbiome differences in infants with food protein-induced allergic proctocolitis.** *Microbiome.* Sep 2022.
30. Vatanen T, Jabbar KS, Ruotula T, Honkanen J, Avila-Pacheco J, Siljander H, Stražar M, Oikarinen S, Hyöty H, Ilonen J, Mitchell CM, **Yassour M**, Virtanen SM, Clish CB^C, Plichta DR, Vlamakis H, Knip M & Xavier RJ. **Mobile genetic elements from the maternal microbiome shape infant gut microbial assembly and metabolism.** *Cell* 185, 4921–4936.e15 (2022).
31. Kennedy KM, de GoffauM, Perez-Muñoz ME, ArrietaM, Bäckhed F, Bork P, Braun T, Bushman FD, Dore J, de Vos WM, Earl AM, Eisen JA, Elovitz MA, Ganai-Vonarburg S, Gänzle MG, Garrett WS, Hall LJ, Hornef MW, Huttenhower MG Konnikova L, Lebeer S, Macpherson AJ, Massey R MG McHardy A MG Koren O, Lawley TD, Ley RE, O'Mahony L, O'Toole PW, Pamer EG, Parkhill J, Raes J, Rattei T, Salonen A, Segal E, Segata N, Shanahan F, Sloboda DM, Smith GCS, Sokol H, Spector TD, Surette MG, Tannock GW, Walker AW, **Yassour M** & Walter, J. **Questioning the fetal microbiome illustrates pitfalls of low-biomass microbial studies.** *Nature* 613, 639–649 (2023).
32. Bar O, Sudhof LS, Yockey LJ, Bergerat A, Moriel N, Andrews E, Ananthakrishnan AN, Xavier RJ, **Yassour M** & Mitchell C. **Comparison of vaginal microbiota between women with inflammatory bowel disease and healthy controls.** *PLoS one,* 18, e0284709 (2023).
33. Kijner S^S, Ennis D, Shmorak S, Florentin A & **Yassour M.** **CRISPR-Cas-based identification of a sialylated human milk oligosaccharide utilization cluster in the infant gut commensal *Bacteroides dorei*.** *Nat. Commun.* 15, 105 (2024).

34. Ennis D, Shmorak S, Jantscher-Krenn E & **Yassour M. Longitudinal quantification of *Bifidobacterium longum* subsp. *Infantis* reveals late colonization in the infant gut independent of maternal milk HMO composition.** Nat. Commun. 15, 894 (2024).
35. Merav L*, Ofek-Shlomai N*, Oiknine-Djian E*, Caplan O, Livneh A, Sido T, Peri A, Shtoyer A, Amir E, Ben Meir K, Daitch Y, Rivkin M, Kripper E, Fogel I, Horowitz H, Greenberger S, Cohen M, Geal-Dor M, Gordon O, Averbuch D, Ergaz-Shaltiel Z, Eventov-Friedman S, Wolf DG & **Yassour M. Large-scale implementation of pooled saliva tests for universal screening of cCMV infection.** Nat. Med. 30, 1111–1117 (2024)
36. Bar, O., Vagios, S., Barkai, O., Elshirbini, J., Souter, I., Xu, J., James, K., Bormann, C., Mitsunami, M., Chavarro, J. E., Foesselitner, P., Kwon, D. S., **Yassour, M.** & Mitchell, C. **Harnessing vaginal inflammation and microbiome: a machine learning model for predicting IVF success.** NPJ Biofilms Microbiomes 11, 95 (2025).
37. Frutkoff, Y. A., Plotkin, L., Pollak, D., Livovsky, J., Focht, G., Lev-Tzion, R., Ledder, O., Assa, A., Yogev, D., Orlanski-Meyer, E., Broide, E., Kierkuś, J., Kang, B., Weiss, B., Aloï, M., Schwerd, T., Shouval, D. S., Bramuzzo, M., Griffiths, A. M., **Yassour, M.** & Turner, D. **Whole food diet induces remission in children and young adults with mild to moderate Crohn's disease and is more tolerable than exclusive enteral nutrition: A randomized controlled trial.** Gastroenterology (2025). doi:10.1053/j.gastro.2025.06.011
38. Golan, Y., Nyquist, S. K., Liu, Z., Ennis, D., Zhao, J., Blair, E., Khan, A. R., Prahl, M., Gaw, S. L., **Yassour, M.**, Engelhardt, B. E., Flaherman, V. J. & Ahituv, N. **Genomic characterization of normal and aberrant human milk production.** Sci. Adv. 11, eadr7174 (2025).
39. Moriel, N., Jones, L., Harpenas, E., Rakow, N., Shmorak, S., Friedman, S. E., Shlomai, N. O. & **Yassour, M. Development of the preterm infant gut and gastric residuals microbiome.** Nature Communications (2025). *In press*

LETTERS

1. Blaser MJ, Devkota S, McCoy KD, Relman DA, **Yassour M**, Young VB. **Lessons learned from the prenatal microbiome controversy.** Microbiome. 2021.

REVIEWS, COMMENTARIES, HYPOTHESES, EDITORIALS

1. Ennis D, Moriel N, **Yassour M. Premies going pro: How probiotic treatment matures the microbiome of extreme premature infants.** Cell Host Microbe. 2022 May 11;30(5):599–600.
2. Kijner S, Kolodny O, **Yassour M. Human Milk Oligosaccharides and the Infant Gut Microbiome From an Ecological Perspective.** Current Opinion in Microbiology. May 2022.
3. Zhernakova, A., **Yassour, M.**, Hall, L. J. & Collado, M. C. **Unlocking the power of human milk and infant feeding: Understanding how nutrition and early microbiota interaction shapes health programming.** Cell Host Microbe 33, 820–835 (2025).

PATENTS

1. Hall AB, Xavier R, Huttenhower C, Yassour M, Vlamakis H. **Methods of treating and diagnosing IBD associated with *R. gnavus* and/or *R. gnavus* group IBD colonization.** 2017. US Patent App. 16/604,866

CONFERENCES

Invited lectures

1. Cold Spring Harbor Laboratory Microbiome meeting – New York, USA, 2019
2. HHMI meeting for women in Computational Biology – Janelia Farm, USA, 2019
3. World of Microbiome: Pregnancy, Birth and Infancy meeting – Milan, Italy, 2019
4. Gut Microbiota for Health meeting – Madrid, Spain (virtual), 2019
5. University of Groningen Microbiome meeting - Groningen, 2020 (postponed)
6. European congress of clinical microbiology and infectious diseases (ECCMID) - Paris 2020 (occurred virtually in 2021)
7. Keystone microbiome meeting: From Mother to Child - Virtual, 2021
8. Microbiome virtual international forum – Virtual 2021
9. Uppsala University AI in life science meeting - Sweden, 2022
10. Microbiome workshop at the Centre for Advanced Study - Norway, 2022
11. Cold Spring Harbor Laboratory Microbiome meeting - CSHL, 2022
12. ILANIT, microbiome session - Israel, 2023
13. Digestive Disease Week Meeting - Chicago, 2023
14. Microbiome, Probiotics, Skin R&D & Business Collaboration Forum - Rotterdam, 2023
15. The Origins and Benefits of Biologically Active Components in Human Milk Conference - Florida, 2023
16. EMBO | EMBL Symposium: The human microbiome - Germany, 2023
17. University College Cork Microbiome Center, Center Seminar - Ireland, 2024
18. Technical University of Munich, Center Seminar - Munich, 2024
19. Cold Spring Harbor Laboratory Microbiome meeting - CSHL, 2024
20. Maternal and Infant Microbiome Symposium - Groningen, Netherlands 2025

Oral presentations

1. Keystone Microbiome - Banff, Canada 2025