

Scientific Articles

[The person-to-person transmission landscape of the gut and oral microbiomes](#)

Mireia Valles-Colomer, Aitor Blanco-Míguez, Paolo Manghi, Francesco Asnicar, Leonard Dubois, Davide Golzato, Federica Armanini, Fabio Cumbo, Kun D. Huang, Serena Manara, Giulia Masetti, Federica Pinto, Elisa Piperni, Michal Punčochář, Liviana Ricci, Moreno Zolfo, Olivia Farrant, Adriana Goncalves, Marta Selma-Royo, Ana G. Binetti, Jimmy E. Becerra, Bei Han, John Lusingu, John Amuasi, Loredana Amoroso, Alessia Visconti, Claire M. Steves, Mario Falchi, Michele Filosi, Adrian Tett, Anna Last, Qian Xu, Nan Qin, Huanlong Qin, Jürgen May, Daniel Eibach, Maria Valeria Corrias, Mirco Ponzoni, Edoardo Pasolli, Tim D. Spector, Enrico Domenici, Maria Carmen Collado & Nicola Segata

[Gestational diabetes is driven by microbiota-induced inflammation months before diagnosis](#)

Yishay Pinto, Sigal Frishman, Sondra Turjeman, Adi Eshel, Meital Nuriel-Ohayon, Oshrit Shrossel, Oren Ziv, William Walters, Julie Parsonnet, Catherine Ley, Elizabeth L Johnson, Krithika Kumar, Ron Schweitzer, Soliman Khatib, Faiga Magzal, Efrat Muller, Snait Tamir, Kinneret Tenenbaum-Gavish, Samuli Rautava, Seppo Salminen, Erika Isolauri, Or Yariv, Yoav Peled, Eran Poran, Joseph Pardo, Rony Chen, Moshe Hod, Elhanan Borenstein, Ruth E Ley, Betty Schwartz, Yoram Louzoun, Eran Hadar, Omry Koren

[COVID-19 Vaccine Is Effective in Inflammatory Bowel Disease Patients and Is Not Associated With Disease Exacerbation](#)

Raffi Lev-Tzion, Gili Focht, Rona Lujan, Adi Mendelovici, Chagit Friss, Shira Greenfeld, Revital Kariv, Amir Ben-Tov,

Eran Matz, Daniel Nevo, Yuval Barak-Corren, Iris Dotan, and Dan Turner

Early-life formula feeding is associated with infant gut microbiota alterations and an increased antibiotic resistance load

Katariina MM Pärnänen, Jenni Hultman, Melina Markkanen, Reetta Satokari, Samuli Rautava, Regina Lamendella, Justin Wright, Christopher J McLimans, Shannon L Kelleher, and Marko P Virta

Intraamniotic Administration (Gallus gallus) of Genistein Alters Mineral Transport, Intestinal Morphology, and Gut Microbiota

Jacquelyn Cheng, Nikolai Kolba, Philip Sisser, Sondra Turjeman, Carmel Even, Omry Koren and Elad Tako

Maternal and early life exposures and their potential to influence development of the microbiome

Erin E. Bolte, David Moorshead, and Kjersti M. Aagaard

Neighborhood Disadvantage, Greenness, and Population Density as Predictors of Breastfeeding Practices: A Population Cohort Study from Finland

Laura Galante, Mirkka Lahdenperä, Samuli Rautava, Jaana Pentti, Helena Ollila, Saija Tarro, Jussi Vahtera, Carlos Gonzales-Inca, Mika Kivimäki, Virpi Lummaa, and Hanna Lagström

Shift work and sleep duration are associated with adverse pregnancy outcomes in a predominantly Latinx population with high rates of obesity

Jeannette M. Larson, Mihaela H. Bazalakova, Amy Godecker, Melanie DelBeccaro, Kjersti M. Aagaard, Kathleen M. Antony

Spontaneous preterm delivery is reflected in both early neonatal and maternal gut microbiota

Henni Hiltunen, Maria Carmen Collado, Helena Ollila, Terhi Kolari, Satu Tölkö, Erika Isolauri, Seppo Salminen and Samuli Rautava

Stool microRNA profiles reflect different dietary and gut microbiome patterns in healthy individuals

Sonia Tarallo, Giulio Ferrero, Francesca De Filippis, Antonio Francavilla, Edoardo Pasolli, Valentina Panero, Francesca Cordero, Nicola Segata, Sara Grioni, Ruggero Gaetano Pensa, Barbara Pardini, Danilo Ercolini, Alessio Naccarati

The effects of the Green-Mediterranean diet on cardiometabolic health are linked to gut microbiome modifications: a randomized controlled trial

Ehud Rinott¹, Anat Yaskolka Meir, Gal Tsaban¹, Hila Zelicha¹, Alon Kaplan¹, Dan Knights, Kieran Tuohy, Matthias Uwe Scholz, Omry Koren, Meir J. Stampfer, Dong D. Wang, Iris Shai and Ilan Youngster

Variation and transmission of the human gut microbiota across multiple familial generations

Mireia Valles-Colomer, Rodrigo Bacigalupe, Sara Vieira-Silva, Shinya Suzuki, Youssef Darzi, Raul Y. Tito, Takuji Yamada, Nicola Segata, Jeroen Raes, and Gwen Falony

Lower Serologic Response to COVID-19 mRNA Vaccine in Patients With Inflammatory Bowel Diseases Treated With Anti-TNFα

Hadar Edelman-Klapper, Eran Zittan, Ariella Bar-Gil Shitrit, Keren Masha Rabinowitz, Idan Goren, Irit Avni-Biron, Jacob E. Ollech, Lev Lichtenstein, Hagar Banai-Eran, Henit Yanai, Yifat

Snir, Maor H. Pauker, Adi FriedenberG, Adva Levy-Barda, Arie Segal, Yelena Broitman, Eran Maoz, Baruch Ovadia, Maya Aharoni Golan, Eyal Shachar, Shomron Ben-Horin, Tsachi-Tsadok Perets, Haim Ben Zvi, Rami Eliakim, Revital Barkan, Sophy Goren, Michal Navon, Noy Krugliak, Michal Werbner, Joel Alter, Moshe Dessau, Meital Gal-Tanamy, Natalia T. Freund, Dani Cohen, and Iris Dotan, on behalf of the REsponses to COVid-19 vaccinE IsRaeli IBD group (RECOVER)

Cross-cohort gut microbiome associations with immune checkpoint inhibitor response in advanced melanoma

Karla A. Leel, Andrew Maltez Thomas, Laura A. Bolte, Johannes R. Björk, Laura Kist de Ruijter, Federica Armanini, Francesco Asnicar, Aitor Blanco-Miguez, Ruth Board, Neus Calbet-Llopart, Lisa Derosa, Nathalie Dhomen, Kelly Brooks, Mark Harland, Mark Harries, Emily R. Leeming, Paul Lorigan, Paolo Manghi, Richard Marais, Julia Newton-Bishop, Luigi Nezi, Federica Pinto, Miriam Potrony, Susana Puig, Patricio Serra-Bellver, Heather M. Shaw, Sabrina Tamburini, Sara Valpione, Amrita Vijay, Levi Waldron, Laurence Zitvogel, Moreno Zolfo, Elisabeth G. E. de Vries, Paul Nathan, Rudolf S. N. Fehrmann, Véronique Bataille, Geke A. P. Hospers, Tim D. Spector, Rinse K. Weersma, Nicola Segata

Variability of strain engraftment and predictability of microbiome composition after fecal microbiota transplantation across different diseases

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