

**Peer-reviewed publications** (27 publications, IF:97.23, citations: 660, H-index: 16)

Spinner JA, Bocchini CE, Luna RA, Thapa S, Balderas MA, Denfield SW, Dreyer WJ, Nagy-Szakal D, Ihekweazu FD, Versalovic J, Savidge T, Kellermayer R. Fecal microbiota transplantation in a toddler after heart transplant was a safe and effective treatment for recurrent *Clostridiodes difficile* infection: A case report. *Pediatr Transplant*. 2019:e13598. **IF: 1.33**

Ihekweazu FD, Fofanova TY, Queliza K, Nagy-Szakal D, Stewart CJ, Engevik MA, Hulten KG, Tatevian N, Graham DY, Versalovic J, Petrosino JF, Kellermayer R. *Bacteroides ovatus* ATCC 8483 monotherapy is superior to traditional fecal transplant and multi-strain bacteriotherapy in a murine colitis model. *Gut Microbes*. 2019, 1-17. **IF: 7.82**

D Nagy-Szakal\*, DK Barupal\*, B Lee, X Che, BL Williams, EJR Kahn, JE Ukaigwe, L Bateman, NG Klimas, AL Komaroff, S Levine, JG Montoya, DL Peterson, B Levin, M Hornig, O Fiehn, WI Lipkin. Insights into myalgic encephalomyelitis/chronic fatigue syndrome phenotypes through comprehensive metabolomics. *Scientific Reports*, 2018, 8(1):10056. **IF: 4.26**

Anderson ME\*, Nagy-Szakal D\*, Jain K, Patron CC, Frattini MG, Lipkin WI, Geskin LJ. Highly sensitive virome capture sequencing technique VirCapSeq-VERT identifies partial non-coding sequences but no active viral infection in cutaneous T-cell lymphoma. *Journal of Investigative Dermatology*, 2018, 138(7):1671-1673. (\*These authors contributed equally of this work.) **IF:6.29**

Nagy-Szakal D, Williams BL, Mishra N, Che X, Lee B, Bateman L, Klimas N, Komaroff AL, Levine S, Montoya JG, Peterson DL, Ramanan D, Jain K, Eddy M, Hornig M, Lipkin WI. Fecal Metagenomic Profiles in Subgroups of Patients with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. *Microbiome*, 2017, 5(1):44. **IF:9.00**

Shah R, Cope JL, Nagy-Szakal D, Dowd S, Versalovic J, Hollister EB, Kellermayer R. Composition and function of the pediatric colonic mucosal microbiome in untreated patients with ulcerative colitis. *Gut Microbes*. 2016;7(5):384-96.

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Ihekweazu FD, Nagy-Szakal D, Fishman DS, Kellermayer R. Hyperlipasemia in Pediatric Inflammatory Bowel Diseases. *Pancreas*, 2016; 45(2):e2-3. **IF:2.96**

Kellermayer R, Nagy-Szakal D, Harris RA, Luna RA, Pitashny M, Schady D, Mir SAV, Lopez, ME, Gilger MA, Belmont J, Hollister EB, Versalovic J. Serial Fecal Microbiota Transplantation Alters Mucosal Gene Expression in Pediatric Ulcerative Colitis. *American Journal of Gastroenterology*, 2015; 110(4):604-6. **IF:9.2**

Nagy-Szakal D, Mir SA, Harris RA, Dowd SE, Yamada T, Lacorazza HD, Tatevian N, Smith CW, Kellermayer R. Loss of omega-6 induced pediatric obesity protects against murine colitis. *FASEB Journal*, 2015; 29(8):3151-9. **IF:5.48**

Harris RA, Nagy-Szakal D, Mir SA, Frank E, Szigeti R, Kaplan JL, Bronsky J, Opekun A, Ferry GD, Winter H, Kellermayer R. DNA methylation-associated colonic mucosal immune and defense responses in treatment-naïve pediatric ulcerative colitis. *Epigenetics*, 2014; 9(8):1131-7. **IF:4.58**

Mir SAV, Schady D, Olive AP, Nagy-Szakal D, Kellermayer R. Mucosal mast cell counts in pediatric eosinophilic gastrointestinal disease. *Pediatric Allergy and Immunology*, 2014; 25(1):94-5. **IF:3.38**

Mir SA, Nagy-Szakal D, Smith EO, Gilger MA, Kellermayer R. Duration of Disease May Predict Response to Infliximab in Pediatric Ulcerative Colitis. *J Clin Gastroenterol*. 2014; 48(3):248-52. **IF:2.21**

Mir SAV, Nagy-Szakal D, Dowd SE, Szigeti RG, Smith CW, Kellermayer R. Prenatal Methyl-Donor Supplementation Induces an Acute Colitis Prone Microbiome in Young Adult Mice. *Plos One*, accepted. 2013;8(8):e73162. **IF:3.73**

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Harris RA, Nagy-Szakal D, Kellermayer R. Human metastable epiallele candidates link to common disorders. *Epigenetics*, 2013 Jan;8(2):157-63. **IF:4.58**

Nagy-Szakal D, Mir SA, Ross MC, Tatevian N, Petrosino JF, Kellermayer R. Monotonous Diets Protect against Acute Colitis in Mice: Epidemiologic and Therapeutic Implications. *JPGN*, 2013;56(5):544-50. **IF:2.18**

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Nagy-Szakal D, Ross MC, Dowd SE, Mir SA, Schaible TD, Petrosino JF, Kellermayer R. Maternal micronutrients can modify colonic mucosal microbiota maturation in murine offspring. *Gut Microbes*, 2012 Sept; 3(5).

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Cseh A, Vásárhelyi B, Szalay B, Molnár K, Nagy-Szakal D, Treszl A, Vannay A, Arató A, Tulassay T, Veres G. Immune Phenotype of Children with Newly Diagnosed and Gluten-Free Diet-Treated Celiac Disease. *Dig Dis Sci*. 2011 Mar; 56(3):792-8. **IF:2.26**

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Szakal DN, Gyorffy H, Arató A, Cseh A, Molnár K, Papp M, Dezsöfi A, Veres G. Mucosal expression of claudins 2, 3 and 4 in proximal and distal part of duodenum in children with coeliac disease. *Virchows Arch*. 2010 Mar; 456(3):245-250. **IF:2.68**

## **Book chapters**

D Nagy-Szakal, et al. The Gut Microbiome in the Nutrition-Infection Interaction: A Focus on Malnourished Children.

Chapter 10 of Textbook: Nutrition-Infection Interaction and Impacts on Human Health.

-Edited by Mohan Pammi, Jesus G Vallejo and Steven A Abrams. ISBN 978-1-4665-8049-7 (Hard cover).

-Published: CRC Press, 2014.

Nagy-Szakal D, et al. Mucosal expression of claudins in celiac disease.

Chapter 1 of the textbook: Celiac Disease - From Pathophysiology to Advanced Therapies

-Edited by Peter Kruzliak and Govind Bhagat. ISBN 978-953-51-0684-5 (Hard cover).

-Published: InTech, 2012.