

Julien Tap

RESEARCH SCIENTIST

France

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After several internships in microbiology at Institut Pasteur (Patrick Grimont, Philippe Glaser, Sylvain Brisse), Julien Tap went to Joel Doré's Lab to do a PhD headed by Marion Leclerc (Jan 2007 to Dec 2009). His main project was to study dietary fiber impact on human gut microbiota using notably metagenomic and metatranscriptomic approaches. Since his PhD, his research interest focused on interactions between nutrition, gut microbiota, and human health. This allowed him to work with different AP-HP clinicians like Pr Karine Clément and Pr Iradj Sobhani. As post-doc did at EMBL in Peer Bork's group and at INRAE Metagenopolis unit (Joel Doré, Dusko Ehrlich), as well as Danone research, he used several approaches like numerical ecology and machine learning technics to untangle big omics data with clinical and dietary data. Julien is currently a research scientist at INRAE Micalis institute settled in Paris-Saclay campus, where he works on food and gut microbiome science topics around nutrition and human health.

Research experience

CAREER/ACADEMIC APPOINTMENT

INRAE Micalis

RESEARCH SCIENTIST

[Jouy-en-Josas](#)

2022 - Present

Danone Nutricia Research

MICROBIOME SCIENTIST

[Paris-Saclay, France](#)

2015 - 2022

- Ensure high quality science, deliverables and publications
- Manage external collaborations

INRA Metagenopolis

POSTDOCTORAL RESEARCHER

[Jouy-en-Josas, France](#)

2013 - 2014

AP-HP CHU Henri Mondor

POSTDOCTORAL RESEARCHER

[Créteil, France](#)

2012 - 2013

EMBL Peer Bork group Computational Biology

POSTDOCTORAL RESEARCHER

[Heidelberg, Germany](#)

2010 - 2012

INRA Doré Lab

PHD STUDENT

[Jouy-en-Josas, France](#)

2007 - 2009

- Thesis project : Diet impact on structural and functional dynamics of the human intestinal microbiota

Institut Pasteur

INTERSHIP STUDENT

[Paris, France](#)

2004-2006

- Master's degree project: genetic structure of M. prototuberculosis and origin of M. tuberculosis (S. Brisse)
- Master's degree project : Development of a biodiversity DNA chips for molecular typing of Listeria (P.Glaser)
- Bachelor's degree project : molecular characterization of E. coli O111 and the diversity of isolated strains in France (F.Grimont)

CONSULTING AND SCIENCE OUTREACH

2018-2019 **Industrial Metagenomics Course:** Orsay, France

Master student teaching about Metagenomics application in dairy food industry

2018 **IHMC Next-Gen Scientist Symposium:** Barcelona, Spain

co-organizer and communication outreach

2016 **IHMC Next-Gen Scientist Symposium:** Houston, Texas, USA

co-organizer and communication outreach

2015 **Paris Metagenomics Analysis Group:** Paris, France

co-organizer and chairman

2010-2014 **Gut Microbiota for Health - Web editor:** Paris, France

Web Editor, Science curation and Blog post writing

UNIVERSITY TUTORING

- 2022 **Ruben Ladeira:** Master genie Biologie polytech Nice sophia
Structural and functional variations of gut Bifidobacterium metagenomes are associated with human gut microbiome alterations and health status
- 2021 **Iñigo Oyarzun Lafuente:** Universitat Pompeu Fabra Barcelona - Master Bioinformatics for Health Sciences
Changes in gut microbiota metatranscriptome induced by a Bifidobacterium lactis CNCM I-2494 fermented milk are associated with improved gastrointestinal comfort
- 2019 **Agnes Barnabé:** University of Paris-Saclay - M2 Biologie Computationnelle
Détection et quantification de souches issues de produits laitiers fermentés dans le microbiote intestinal à partir de données métagénomiques
- 2018 **Housseem Gharbi:** University of Paris-Saclay - M2 Biologie Computationnelle
Détection de souches bactériennes dans le microbiote intestinal humain à partir de données de séquences métagénomiques

Education

University of Bourgogne

UNIVERSITY DEGREE IN SUSTAINABLE HEALTH FOOD AND MICRONUTRITION

Dijon, France

2021-2022

University of Pierre & Marie Curie

PH.D. IN PHYSIOLOGY AND PATHOPHYSIOLOGY

Paris, France

2007-2009

University of Pierre & Marie Curie

MASTER'S DEGREE IN MOLECULAR AND CELLULAR BIOLOGY

Paris, France

2005-2006

University of Paris-Est Creteil

BACHELOR'S DEGREE IN BIOLOGICAL ENGINEERING - BIOCHEMICAL AND FOOD SPECIALTY

Creteil, France

2001-2004

Awards and distinctions

- 2020 **Highly Cited Researchers:** Clarivate Web of Science
Recognizing the true pioneers in their fields over the last decade, demonstrated by the production of multiple highly-cited papers that rank in the top 1% by citations for field and year in the Web of Science
- 2015 **Early stage Investigator Recognition:** The American Gastroenterological Association
Digestive Disease Week, Washington, 2015
- 2011 **Travel Grant fellowship:** JFHOD
Société Nationale Française de Gastro-Entérologie

RESEARCH ARTICLES

- 1. Global branches and local states of the human gut microbiome define associations with environmental and intrinsic factors**

J TAP, F LEJZEROWICZ, A COTILLARD, M PICHAUD, D McDONALD, SJ SONG, R KNIGHT, P VEIGA, M DERRIEN

Nature communications 2023
- 2. Exploring Bifidobacterium species community and functional variations with human gut microbiome structure and health beyond infancy**

R LADEIRA, J TAP, M DERRIEN

Microbiome Research Reports 2023
- 3. Curated and harmonized gut microbiome 16S rRNA amplicon data from dietary fiber intervention studies in humans**

CI RODRIGUEZ, A KESHAVARZIAN, BR HAMAKER, F LIU, GR LUNKEN, H RASMUSSEN, H ZHOU, J TAP, KS SWANSON, M UKHANOVA, M LECLERC, M GOTTELAND, P NAVARRETE, P KOVATCHEVA-DATCHARY, WJ DAHL, JB MARTINY

Scientific Data 2023
- 4. A posteriori dietary patterns better explain variations of the gut microbiome than individual markers in the American Gut Project**

A COTILLARD, A CARTIER-MEHEUST, NS LITWIN, S CHAUMONT, M SACCAREAU, F LEJZEROWICZ, J TAP, H KOUTNIKOVA, DG LOPEZ, D McDONALD, SJ SONG, R KNIGHT, M DERRIEN, P VEIGA

The American journal of clinical nutrition 2022
- 5. Drinking water source and intake are associated with distinct gut microbiota signatures in US and UK populations**

T VANHAECKE, O BRETIN, M POIREL, J TAP

The Journal of nutrition 2022
- 6. EXPLORATION DES LIENS ENTRE ALIMENTATION, MICROBIOTE INTESTINALE ET INCONFORT DIGESTIF**

J TAP

2022
- 7. Human gut metatranscriptome changes induced by a fermented milk product are associated with improved tolerance to a flatulogenic diet**

I OYARZUN, BL NEVÉ, F YAÑEZ, Z XIE, M PICHAUD, G SERRANO-GÓMEZ, J ROCA, P VEIGA, F AZPIROZ, J TAP, C MANICHANH

Computational and Structural Biotechnology Journal 2022
- 8. Diet and gut microbiome interactions of relevance for symptoms in irritable bowel syndrome**

J TAP, S STÖRSRUD, BL NEVÉ, A COTILLARD, N PONS, J DORÉ, L ÖHMAN, H TÖRNBLOM, M DERRIEN, M SIMRÉN

Microbiome 2021
- 9. A novel stepwise integrative analysis pipeline reveals distinct microbiota-host interactions and link to symptoms in irritable bowel syndrome**

A POLSTER, L ÖHMAN, J TAP, M DERRIEN, BL NEVÉ, J SUNDIN, H TÖRNBLOM, M CVIJOVIC, M SIMRÉN

Scientific Reports 2021
- 10. A Fermented Milk Product Containing B. lactis CNCM I-2494 Improves the Tolerance of a Plant-Based Diet in Patients with Disorders of Gut-Brain Interactions**

BL NEVÉ, AML TORRE, J TAP, AN RUIZ, M DERRIEN, A COTILLARD, J FAURIE, E BARBA, M MEGO, Q DORNIC, J BUTLER, X MERINO, B LOBO, FP BATET, M POZUELO, J SANTOS, F GUARNER, C MANICHANH, F AZPIROZ

Nutrients 2021
- 11. Diet and gut microbiome interactions in irritable bowel syndrome**

J TAP, S STÖRSRUD, BL NEVÉ, A COTILLARD, N PONS, J DORÉ, L ÖHMAN, H TÖRNBLOM, M DERRIEN, M SIMREN

2021
- 12. Safety and functional enrichment of gut microbiome in healthy subjects consuming a multi-strain fermented milk product: a randomised controlled trial**

A ALVAREZ, J TAP, I CHAMBAUD, S COOLS-PORTIER, L QUINQUIS, P BOURLIOUX, P MARTEAU, E GUILLEMARD, J SCHREZENMEIR, M DERRIEN

Scientific Reports 2020
- 13. A Fermented Milk Product with B. lactis CNCM I-2494 and Lactic Acid Bacteria Improves Gastrointestinal Comfort in Response to a Challenge Diet Rich in ...**

BL NEVÉ, AML TORRE, J TAP, M DERRIEN, A COTILLARD, E BARBA, M MEGO, AN RUIZ, L HERNANDEZ-PALET, Q DORNIC, J FAURIE, J BUTLER, X MERINO, B LOBO, FP BATET, A ACCARINO, M POZUELO, C MANICHANH, F AZPIROZ

Nutrients 2020
- 14. A fermented milk product with B. lactis CNCM I-2494 and lactic acid bacteria improves gastrointestinal comfort in response to a challenge diet rich in fermentable ...**

J TAP, M DERRIEN, A COTILLARD, E BARBA, M MEGO, AN RUIZ, L HERNANDEZ-PALET, Q DORNIC, J FAURIE, J BUTLER, X MERINO, B LOBO, FP BATET, A ACCARINO, M POZUELO, C MANICHANH, F AZPIROZ, BL NEVÉ, AML TORRE

2020

15. Prediction of the intestinal resistome by a three-dimensional structure-based method

Nature microbiology

E RUPPÉ, A GHOZLANE, J TAP, N PONS, A ALVAREZ, N MAZIERS, T CUESTA, S HERNANDO-AMADO, I CLARES, JL MARTÍNEZ, TM COQUE, F BAQUERO, VF LANZA, L MÁIZ, T GOULENOK, VD LASTOURS, N AMOR, B FANTIN, I WIEDER, A ANDREMONT, WV SCHAİK, M ROGERS, X ZHANG, RJ WILLEMS, AGD BREVERN, J BATTO, HM BLOTTIÈRE, P LÉONARD, V LÉJARD, A LETUR, F LEVENEZ, K WEISZER, F HAIMET, J DORE, SP KENNEDY, SD EHRLICH

2019

16. Evidence for an association of gut microbial Clostridia with brain functional connectivity and gastrointestinal sensorimotor function in patients with irritable bowel syndrome ...

Microbiome

JS LABUS, V OSADCHYI, EY HSIAO, J TAP, M DERRIEN, A GUPTA, K TILLISCH, BL NEVÉ, C GRINSVALL, M LJUNGBERG, L ÖHMAN, H TÖRNBLOM, M SIMREN, EA MAYER

2019

17. Effects of the long-term storage of human fecal microbiota samples collected in RNAlater

Scientific reports

J TAP, S COOLS-PORTIER, S PAVAN, A DRUESNE, L ÖHMAN, H TÖRNBLOM, M SIMREN, M DERRIEN

2019

18. Fasting breath H2 and gut microbiota metabolic potential are associated with the response to a fermented milk product in irritable bowel syndrome

PLoS One

BL NEVÉ, M DERRIEN, J TAP, R BRAZEILLES, SC PORTIER, D GUYONNET, L ÖHMAN, S STÖRSRUD, H TÖRNBLOM, M SIMRÉN

2019

19. Effects of a Flatulogenic Diet Combined with a Fermented Milk Product on Markers of Flatulence and Intestinal Microbiome Composition in Healthy Subjects

Gastroenterology

AMD L TORRE, BL NEVÉ, J TAP, A COTILLARD, MPD RÍO, FP BATET, C MANICHANH, F AZPIROZ

2019

20. Gut microbiome hysteresis is associated with durable mucosal alterations

J TAP, S BURZ, A COTILLARD, J CADIOU, HM BLOTTIERE, J DORE, P VEIGA, M DERRIEN, JL SONNENBURG, F SHANAHAN, S DEVKOTA

2019

21. Altered intestinal antibacterial gene expression response profile in irritable bowel syndrome is linked to bacterial composition and immune activation

Neurogastroenterology & Motility

SM BENNET, J SUNDIN, MK MAGNUSSON, H STRID, J TAP, M DERRIEN, BL NEVÉ, J DORÉ, H TÖRNBLOM, M SIMRÉN, L ÖHMAN

2018

22. Fecal chromogranins and secretogranins are linked to the fecal and mucosal intestinal bacterial composition of IBS patients and healthy subjects

Scientific Reports

J SUNDIN, M STRIDSBERG, J TAP, M DERRIEN, BL NEVÉ, J DORÉ, H TÖRNBLOM, M SIMRÉN, L ÖHMAN

2018

23. Mikrobielle Biomarker zur Krebsfrüherkennung

TumorDiagnostik & Therapie

AY VOIGT, G ZELLER, P BORK

2018

24. Identification of an intestinal microbiota signature associated with severity of irritable bowel syndrome

Gastroenterology

J TAP, M DERRIEN, H TÖRNBLOM, R BRAZEILLES, S COOLS-PORTIER, J DORÉ, S STÖRSRUD, BL NEVÉ, L ÖHMAN, M SIMRÉN

2017

25. Faecal microbiota study reveals specific dysbiosis in spondyloarthritis

Annals of the rheumatic diseases

M BREBAN, J TAP, A LEBOIME, R SAID-NAHAL, P LANGELLA, G CHIOCCHIA, J FURET, H SOKOL

2017

26. Clostridia from the gut microbiome are associated with brain functional connectivity and evoked symptoms in IBS

Gastroenterology

JS LABUS, E HSIAO, J TAP, M DERRIEN, A GUPTA, BL NEVÉ, R BRAZEILLES, C GRINSVALL, L ÖHMAN, H TÖRNBLOM, K TILLISCH, M SIMREN, EA MAYER

2017

27. Mikrobiom und entzündliche Darmerkrankungen

DMW-Deutsche Medizinische Wochenschrift

DM AUTENRIETH, DC BAUMGART

2017

28. Mikrobielle Signatur für Patienten mit Reizdarmsyndrom

Zeitschrift für Gastroenterologie

M HOFMANN-ASSMUS

2017

29. Lactulose challenge determines visceral sensitivity and severity of symptoms in patients with irritable bowel syndrome

Clinical Gastroenterology and Hepatology

BL NEVÉ, R BRAZEILLES, M DERRIEN, J TAP, D GUYONNET, L ÖHMAN, H TÖRNBLOM, M SIMRÉN

2016

30. Early Phenotypical Changes induced By Transfert of Human Fecal Microbiota from Colorectal Cancer Patients to Germ-Free Mice

International Journal of Cancer and Oncology

J TAP, A AMIOT, V JARROUSSE, S GUILMEAU, JT VANNHIEU, P LANGELLA, T PÉDRON, J FURET, A BADO, I SOBHANI

2016

31. NEW INSIGHTS ON RELATIONSHIPS BETWEEN FODMAPS INTAKE, GUT MICROBIOTA AND SEVERITY OF SYMPTOMS IN IRRITABLE BOWEL SYNDROME	
J TAP, M DERRIEN, H TÖRNBLOM, N PONS, S COOLS-PORTIER, J DORÉ, BL NEVE, L OHMAN, M SIMRÉN	2016
32. Metagenomics exploration of the gut microbiome in irritable bowel syndrome	
J TAP	2016
33. It's all in the mix: diagnosis and management of food intolerance reply	<i>Clinical Gastroenterology and Hepatology</i>
BL NEVE, R BRAZEILLES, M DERRIEN, J TAP, D GUYONNET, L OHMAN, H TORNBLUM, M SIMREN	2016
34. Gut microbiota richness promotes its stability upon increased dietary fibre intake in healthy adults	<i>Environmental microbiology</i>
J TAP, J FURET, M BENSADA, C PHILIPPE, H ROTH, S RABOT, O LAKHDARI, V LOMBARD, B HENRISSAT, G CORTHIER, E FONTAINE, J DORÉ, M LECLERC	2015
35. The gut microbiota for health experts exchange: an online network for sharing knowledge	<i>The FASEB Journal</i>
P ENCK, K CAMPBELL, J TAP, PY ARNOUX, JM ANTOINE	2015
36. Le microbiote intestinal comme marqueur potentiel du cancer colorectal	
J TAP, G ZELLER, AY VOIGT, A AMIOT, Jv NHIEU, P SCHROTZ-KING, M KLOOR, MvK DOEBERITZ, P BORK, I SOBHANI, E HEIDELBERG	2015
37. An integrated catalog of reference genes in the human gut microbiome	<i>Nature biotechnology</i>
J LI, H JIA, X CAI, H ZHONG, Q FENG, S SUNAGAWA, M ARUMUGAM, JR KULTIMA, E PRIFTI, T NIELSEN, AS JUNCKER, C MANICHANH, B CHEN, W ZHANG, F LEVENEZ, J WANG, X XU, L XIAO, S LIANG, D ZHANG, Z ZHANG, W CHEN, H ZHAO, JY AL-AAMA, S EDRIS, H YANG, J WANG, T HANSEN, HB NIELSEN, S BRUNAK, K KRISTIANSEN, F GUARNER, O PEDERSEN, J DORÉ, SD EHRLICH, P BORK, J WANG	2014
38. Identification and assembly of genomes and genetic elements in complex metagenomic samples without using reference genomes	<i>Nature biotechnology</i>
HB NIELSEN, M ALMEIDA, AS JUNCKER, S RASMUSSEN, J LI, S SUNAGAWA, DR PLICHTA, L GAUTIER, AG PEDERSEN, EL CHATELIER, E PELLETIER, I BONDE, T NIELSEN, C MANICHANH, M ARUMUGAM, J BATTO, MBQd SANTOS, N BLOM, N BORRUEL, KS BURGDORF, F BOUMEZBEUR, F CASELLAS, J DORÉ, P DWORZYNSKI, F GUARNER, T HANSEN, F HILDEBRAND, RS KAAS, S KENNEDY, K KRISTIANSEN, JR KULTIMA, P LÉONARD, F LEVENEZ, O LUND, B MOUMEN, DL PASLIER, N PONS, O PEDERSEN, E PRIFTI, J QIN, J RAES, S SØRENSEN, J TAP, S TIMS, DW USSERY, T YAMADA, P RENAULT, T SICHERITZ-PONTEN, P BORK, J WANG, S BRUNAK, SD EHRLICH	2014
39. Potential of fecal microbiota for early-stage detection of colorectal cancer	<i>Molecular systems biology</i>
G ZELLER, J TAP, AY VOIGT, S SUNAGAWA, JR KULTIMA, PI COSTEA, A AMIOT, J BÖHM, F BRUNETTI, N HABERMANN, R HERCOG, M KOCH, A LUCIANI, DR MENDE, MA SCHNEIDER, P SCHROTZ-KING, C TOURNIGAND, JTV NHIEU, T YAMADA, J ZIMMERMANN, V BENES, M KLOOR, CM ULRICH, MvK DOEBERITZ, I SOBHANI, P BORK	2014
40. Richness of human gut microbiome correlates with metabolic markers	<i>Nature</i>
EL CHATELIER, T NIELSEN, J QIN, E PRIFTI, F HILDEBRAND, G FALONY, M ALMEIDA, M ARUMUGAM, J BATTO, S KENNEDY, P LEONARD, J LI, K BURGDORF, N GRARUP, T JØRGENSEN, I BRANDSLUND, HB NIELSEN, AS JUNCKER, M BERTALAN, F LEVENEZ, N PONS, S RASMUSSEN, S SUNAGAWA, J TAP, S TIMS, EG ZOETENDAL, S BRUNAK, K CLÉMENT, J DORÉ, M KLEEREBEZEM, K KRISTIANSEN, P RENAULT, T SICHERITZ-PONTEN, WMD VOS, J ZUCKER, J RAES, T HANSEN, P BORK, J WANG, SD EHRLICH, O PEDERSEN	2013
41. Genomic variation landscape of the human gut microbiome	<i>Nature</i>
S SCHLOISSNIG, M ARUMUGAM, S SUNAGAWA, M MITREVA, J TAP, A ZHU, A WALLER, DR MENDE, JR KULTIMA, J MARTIN, K KOTA, SR SUNYAEV, GM WEINSTOCK, P BORK	2013
42. Metagenomic species profiling using universal phylogenetic marker genes	<i>Nature methods</i>
S SUNAGAWA, DR MENDE, G ZELLER, F IZQUIERDO-CARRASCO, SA BERGER, JR KULTIMA, LP COELHO, M ARUMUGAM, J TAP, HB NIELSEN, S RASMUSSEN, S BRUNAK, O PEDERSEN, F GUARNER, WMD VOS, J WANG, J LI, J DORÉ, SD EHRLICH, A STAMATAKIS, P BORK	2013
43. Gut microbiota after gastric bypass in human obesity: increased richness and associations of bacterial genera with adipose tissue genes	<i>The American journal of clinical nutrition</i>
L KONG, J TAP, J ARON-WISNEWSKY, V PELLOUX, A BASDEVANT, J BOUILLLOT, J ZUCKER, J DORE, K CLEMENT	2013

44. Genomic analysis of smooth tubercle bacilli provides insights into ancestry and pathoadaptation of *Mycobacterium tuberculosis*

P SUPPLY, M MARCEAU, S MANGENOT, D ROCHE, C ROUANET, V KHANNA, L MAJLESSI, A CRISCUOLO, J TAP, A PAWLIK, L FIETTE, M ORGEUR, M FABRE, C PARMENTIER, W FRIGUI, R SIMEONE, EC BORITSCH, A DEBRIE, E WILLERY, D WALKER, MA QUAIL, L MA, C BOUCHIER, G SALVIGNOL, F SAYES, A CASCIOFERRO, T SEEMANN, V BARBE, C LOCHT, M GUTIERREZ, C LECLERC, SD BENTLEY, TP STINEAR, S BRISSE, C MÉDIGUE, J PARKHILL, S CRUVEILLER, R BROSCHE

Nature genetics

2013

45. Individuality and temporal stability of the human gut microbiome

S SUNAGAWA, S SCHLOISSNIG, M ARUMUGAM, K FORSLUND, M MITREVA, J TAP, A ZHU, A WALLER, DR MENDE, JR KULTIMA, J MARTIN, K KOTA, SR SUNYAEV, A TYPAS, GM WEINSTOCK, P BORK

Central Asian Journal of Global Health

2013

46. Gut microbiota after gastric bypass in human obesity: increased richness and associations of bacterial genera with adipose tissue genes.

KK LINGCHUN, J TAP, J ARON-WISNEWSKY, V PELLOUX, A BASDEVANT, J BOUILLLOT, J ZUCKER, J DORÉ, K CLÉMENT

2013

47. Enterotypes of the human gut microbiome

M ARUMUGAM, J RAES, E PELLETIER, DL PASLIER, T YAMADA, DR MENDE, GR FERNANDES, J TAP, T BRULS, J BATTO, M BERTALAN, N BORRUEL, F CASELLAS, L FERNANDEZ, L GAUTIER, T HANSEN, M HATTORI, T HAYASHI, M KLEEREBEZEM, K KUROKAWA, M LECLERC, F LEVENEZ, C MANICHANH, HB NIELSEN, T NIELSEN, N PONS, J POULAIN, J QIN, T SICHERTZ-PONTEN, S TIMS, D TORRENTS, E UGARTE, EG ZOETENDAL, J WANG, F GUARNER, O PEDERSEN, WMD VOS, S BRUNAK, J DORÉ, J WEISSENACH, SD EHRLICH, P BORK

nature

2011

48. Microbial dysbiosis in colorectal cancer (CRC) patients

I SOBHANI, J TAP, F ROUDOT-THORAVALL, JP ROPERCH, S LETULLE, P LANGELLA, G CORTHIER, JTV NHIEU, JP FURET

PloS one

2011

49. Identification of NF-κB modulation capabilities within human intestinal commensal bacteria

O LAKHDARI, J TAP, F BÉGUET-CRESPEL, KL ROUX, TD WOUTERS, A CULTRONE, M NEPELSKA, F LEFEVRE, J DORÉ, HM BLOTTIERE

2011

BioMed Research International

50. Research Article Identification of NF-κB Modulation Capabilities within Human Intestinal Commensal Bacteria

O LAKHDARI, J TAP, F BÉGUET-CRESPEL, KL ROUX, TD WOUTERS, A CULTRONE, M NEPELSKA, F LEFEVRE, J DORÉ, HM BLOTTIERE

2011

51. A human gut microbial gene catalogue established by metagenomic sequencing

J QIN, R LI, J RAES, M ARUMUGAM, KS BURGDORF, C MANICHANH, T NIELSEN, N PONS, F LEVENEZ, T YAMADA, DR MENDE, J LI, J XU, S LI, D LI, J CAO, B WANG, H LIANG, H ZHENG, Y XIE, J TAP, P LEPAGE, M BERTALAN, J BATTO, T HANSEN, DL PASLIER, A LINNEBERG, HB NIELSEN, E PELLETIER, P RENAULT, T SICHERTZ-PONTEN, K TURNER, H ZHU, C YU, S LI, M JIAN, Y ZHOU, Y LI, X ZHANG, S LI, N QIN, H YANG, J WANG, S BRUNAK, J DORÉ, F GUARNER, K KRISTIANSEN, O PEDERSEN, J PARKHILL, J WEISSENACH, P BORK, SD EHRLICH, J WANG

nature

2010

52. Differential adaptation of human gut microbiota to bariatric surgery-induced weight loss: links with metabolic and low-grade inflammation markers

J FURET, L KONG, J TAP, C POITOU, A BASDEVANT, J BOUILLLOT, D MARIAT, G CORTHIER, J DORÉ, C HENEGAR, S RIZKALLA, K CLÉMENT

Diabetes

2010

53. Functional metagenomics to mine the human gut microbiome for dietary fiber catabolic enzymes

L TASSE, J BERCOVICI, S PIZZUT-SERIN, P ROBE, J TAP, C KLOPP, BL CANTAREL, PM COUTINHO, B HENRISSAT, M LECLERC, J DORÉ, P MONSAN, M REMAUD-SIMEON, G POTOCKI-VERONESE

Genome research

2010

54. Functional metagenomics: a high throughput screening method to decipher microbiota-driven NF-κB modulation in the human gut

O LAKHDARI, A CULTRONE, J TAP, K GLOUX, F BERNARD, SD EHRLICH, F LEFEVRE, J DORE, HM BLOTTIERE

PloS one

2010

55. Differential adaptation of human gut microbiota to bariatric surgery-induced weight loss: links with metabolic and low-grade inflammatory markers

LC KONG, JP FURET, J TAP, C POITOU-BERNERT, A BASDEVANT, J BOUILLLOT, D MARIAT, G CORTHIER, J DORE, C HENEGAR, SW RIZKALLA, K CLEMENT

Diabetes

2010

56. Towards the human intestinal microbiota phylogenetic core

J TAP, S MONDOT, F LEVENEZ, E PELLETIER, C CARON, J FURET, E UGARTE, R MUÑOZ-TAMAYO, DL PASLIER, R NALIN, J DORE, M LECLERC

Environmental microbiology

2009

57. Comparative assessment of human and farm animal faecal microbiota using real-time quantitative PCR

J FURET, O FIRMESE, M GOURMELON, C BRIDONNEAU, J TAP, S MONDOT, J DORÉ, G CORTIER

FEMS microbiology ecology

2009

58. Phylogenetic and Functional Specificities of Crohn’s Disease Microbiota

S MONDOT, J TAP, JP FURET, P LEPAGE, J DORÉ, P MARTEAU, M LECLERC

2009

REVIEWS AND BOOKS CHAPTER

1. The Human Gut Microbiota in all its States: From Disturbance to Resilience

J TAP, E RUPPÉ, M DERRIEN

[Reference Module in Food Science](#)

2021

2. Techniques d'identification et d'exploration du microbiote

J DORÉ, J TAP, D EHRLICH

[John Libbey Eurotext](#)

2017

3. Composition du microbiote intestinal

J DORÉ, J TAP, D EHRLICH

[John Libbey Eurotext](#)

2017

4. Microbiote intestinal, la clé pour une meilleure alimentation?

P VEIGA, J TAP, M DERRIEN

[médecine/sciences](#)

2016

5. Metagenomics of the human intestinal tract: from who is there to what is done there

A CULTRONE, J TAP, N LAPAQUE, J DORÉ, HM BLOTTIÈRE

[Current Opinion in Food Science](#)

2015

PATENT

1. Method for diagnosing adenomas and/or colorectal cancer (CRC) based on analyzing the gut microbiome

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