

## CURRICULUM VITAE

### **PERSONAL INFORMATION**

Surname, Name: Bilen, Melhem

Birthdate: January 16, 1993

Nationality: Lebanese

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### **HIGHLIGHTED ACHIEVEMENTS**

- Science communication, having published and written more than 44 scientific papers and participated in 5 big conferences in Europe, USA and Middle East.
- Strong relationship builder and teamwork skills developing a collaboration between Lebanon and France throughout 2 universities.
- Excellent time and project management skills, having obtained a Ph.D. at the age of 25 while publishing 35 manuscripts within a 3-year period.
- Strong determination and experience in problem solving and operation development, through the establishment of a new platform at Stanford university, requiring expert's recruitment, workflow development and management.
- Extremely analytical and adaptable researcher with over 10 years of experience in a diverse set of research areas including microbiology, microbiome, oncology, molecular biology and Biomedical Engineering.

### **Professional experience and education**

2023 – Current **Assistant Professor** at the American University of Beirut, EPIM department, Beirut, Lebanon

2019- 2023 **Postdoc research fellow** at Stanford university, bioengineering department, California USA.

- *Main objective is to establish a culturomics platform to study the healthy human microbiome along with the development of new bacterio-therapeutic approaches to treat infectious diseases (CIDIF, IBD) and enhance immunosuppressor treatment.*

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- Developed and maintained scientific relationships with key opinion leaders ( KOLs) across 3 platforms on multiple microbiome and microbiology based research projects. • Collaborated with other scientists and Labs at Stanford university, MD Anderson and NIH.
- Engaged opinion leaders (OLs) in microbiome and bacterio-therapy discussions at weekly grand rounds.
- Presented to KOLs at weekly meeting about advances in bacterio-therapy development.

2015-2018 **Ph.D** in human pathology and infectious diseases AIX Marseille university-MEPI UNIT/Faculty medicine and Balamand university Faculty of medicine.

- Collaborated with KOLs and science engineers to develop previously established and new approaches to study the human microbiome and its role in health and diseases.
- Received and educated KOLs on the use of culturomics in the human microbiome description.
  - Performed a concrete work that revolutionized our understandings of the human microbiome and results were translated in 36 publications, of which 2 were in Nature and one in Microbiome journal.
- Presented my work at 4 domestic and international conferences with KOLs.
  - Discussed and presented microbiome research with KOLs at the Lebanese association of clinical microbiology and infectious diseases.
  - Presented at Journal Club to KOLs about recent microbiome and infectious diseases related research.
- Engaged OLs in scientific discussions about microbiome, infectious diseases at clinical grand rounds.
- Obtained an award for the best publish literature review in the south of France.

2014- 2015 **MS. Molecular Biology**, Lebanese American University, Lebanon.

2010-2013 **BS. Biology**, Lebanese American University, Lebanon

2009 **French and Lebanese Baccalaureate in Life Sciences**, College de Notre Dame de Lourdes

**Scientific experience and specialty**

- Establishment of platforms that serves to screen and analyze the prokaryotic content in human samples.
- Development of new culture-based approaches to isolate “uncultivable” organisms, Operation taxonomic units and wanted taxa.
- Bacterial co-culture and preservation.
- Bacterial complex engineering
- Microbiome analysis

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- Bacterial phylogenetic analyses with proteomic/genomic based approaches. - Anaerobic bacterial culture and maintenance.
- Project management and experimental designs/optimization.

## **TEACHING EXPERIENCE**

**2015** Microbiology Lab Instructor, School of Arts and Sciences, Lebanese American University, Lebanon: This course explores the ubiquitous nature of microbes. The overall objective is to implement exercises which allow students to obtain a hands on experience in many of the microbiological techniques routinely employed, with emphasis on the methodological, and clinical, relevance of the procedures. Students connect theoretical lectures to the practical applications in medicine, environment, and other related fields.

**2014** Research Supervisor for assigned BS. Biology senior year students in microbiology, School of Arts and Sciences, Lebanese American University, Lebanon.

**2013-2014** General Biology Lab course instructor, School of Arts and Sciences, Lebanese American University, Lebanon. This is a lab practical course that complements general biology 201 theoretical course (an introductory, yet comprehensive, study of the chemical, cellular, and the tissue organization of life, the transfer of energy through living systems, the expression of genetic information, essential microbiology principles, as well as a discussion of the major characteristics of viruses, bacteria, fungi, protists, and plants.).

**2009-2014:** Freelance After-hours Tutor, Subjects: Genetics, Chemistry, General Biology, Math, Biostatistics, Physics, Class range: high-school students and college students.

## **WORK EXPERIENCE**

2019 **Consultant**, microbiome, and microbiology consultant in FederationBio, San Francisco.

Fall 2014 **General Biology** Lab coordinator and microbiology lab Instructor  
School of Arts  
and Sciences, Lebanese American University,  
Lebanon

Spring 2014 **Cell Culture Facility Lab** supervisor, School of Arts and Sciences,  
Lebanese American  
University, Lebanon

**Oral presentations and Conferences:**

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**2018 Culturomics in the clinical settings** Invited speaker at the 3<sup>rd</sup> summer  
regional course  
hot topics in infectious diseases

**2017 Unveiling the human microbial dark matter by culturomics**  
Poster presented at the faculty of medicine  
annual conference, Aix Marseille university.

**2015 Comparative genomic analysis of *Staphylococcus aureus* CC80 strains.**  
Poster presenter at the LAU- MSA 3<sup>rd</sup> Annual  
Medical Research Symposium.

**2014 Rho A Versus Rho C: Localization, Role in Invadopodia Formation and Invasion of Astrocytoma Cells**  
Poster presentation the 20th Annual LAAS  
Conference jointly organized by the Lebanese  
Association for the Advancement of Science,  
EDST-LU and National Council for Scientific  
Research

**LANGUAGE PROFICIENCY**

	Writing	Reading	Speaking
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
French	Good	Excellent	Excellent

**AWARDS**

2019 Best published literature review according to Infectiopôle Sud - IHU  
Méditerranée Infection

2019 Certificate of attendance, Microbe 2019, San Francisco.

2018 Certificate of Attendance, ESCAR International Congress on Rickettsia and other  
Intracellular Bacteria, Marseille (France).  
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2018 American society for microbiology young ambassador to Lebanon

2017 American society for microbiology young ambassador to Lebanon  
Council for Scientific Research

2015 Certificate of Attendance, poster presenter at LAU- MSA 3<sup>rd</sup> Annual  
Medical Research  
Symposium

2014 Certificate of Attendance, poster presenter at the 20<sup>th</sup> Annual LAAS  
Conference jointly organized  
by the Lebanese Association for the  
Advancement of Science, EDST-LU and National

### **LAB TECHNIQUES**

- Culturomics
- Anaerobic cultures
- Metagenomics
- Taxono-genomics
- Whole Genome Sequencing
- PCR
- Real-Time PCR
- Gel electrophoresis
- MALDI-TOF MS
- Cell culture
- Western Blot
- Microbial community preparation
- Probiotics designs
- Bacteriotherapy

### **Manuscripts in Preparation:**

- Establishment of a new protocol to create synthetic bacterial communities for mice colonization

Alice Cheng, **Melhem Bilen**, Pallavi Murugkar and Michael Fischbach.

- Novel approach to create stable humanized mice models via culturomics **Melhem**

Michael Fischbach.

- **The use of defined microbial communities in clinics to treat diseases**

[...], **Melhem Bilen**, [...] Michael Fischbach.

**Published Manuscripts (CITED BY 1607 as of Jan 13, 2023)**

**1. Culturomics, a potential approach paving the way towards bacterio-therapies.**

Matar Ghassan and **Melhem Bilen** Culturomics, a potential approach paving the way towards bacterio-therapies. Current opinion in microbiology. 2022 Aug 20; 69:102194. doi: 10.1016/j.mib.2022.102194. PMID: 35994842.

**2. *Peptostreptococcus faecalis* sp. Nov., New Bacterial Species Isolated from Healthy Indigenous Congolese Volunteer**

Mekhalif F, Zgheib R, Akiana J, **Bilen M**, Ndombe GM, Fenollar F, Fournier PE, Raoult D, Alibar S, Mediannikov O, Lo CI. *Peptostreptococcus faecalis* sp. nov., new bacterial species isolated from healthy indigenous Congolese volunteer. Heliyon. 2022 Mar 14;8(3):e09102. doi: 10.1016/j.heliyon.2022.e09102. PMID: 35313487; PMCID: PMC8933677

**3. *Arabiibacter massiliensis* gen. nov. sp. nov., New Anaerobic Bacterium Isolated from the Human Gut.**

Cheikh Ibrahima LO, ...**Bilen M**. et al., *Arabiibacter massiliensis* gen. nov. sp. nov., New Anaerobic Bacterium Isolated from the Human Gut. Current Microbiology 79, 47 (2022). <https://doi.org/10.1007/s00284-021-02739-8>

**4. *Neglectibacter timonensis* gen. nov., sp. nov. and *Scatolibacter rhodanostii* gen. nov., sp. nov., two anaerobic bacteria isolated from human stool samples.**

Zgheib R, Ibrahim A, Anani H, Ndongo S, **Bilen M**, Armstrong N, Richez M, Raoult D, Fournier PE. *Neglectibacter timonensis* gen. nov., sp. nov. and *Scatolibacter rhodanostii* gen. nov., sp. nov., two anaerobic bacteria isolated from human stool samples. Archives Microbiol. 2021 Dec 21;204(1):45. doi: 10.1007/s00203-021-02712-w. PMID: 34932147.

**5. *Gemella massiliensis* sp. nov., a new bacterium isolated from the human sputum.**

Mbogning Fonkou MD, Lo CI, Mekhalif Z, **Bilen M**, Tomei E, Kuete Yimagou E, Dubourg G, Raoult D, Fenollar F, Fournier PE. *Gemella massiliensis* sp. nov., a new bacterium isolated from the human sputum. Archives Microbiol. 2021 Nov;203(9):5817- 5823. doi: 10.1007/s00203-021-02493-2. Epub 2021 Aug 21. PMID: 34420080; PMCID: PMC8502168.

**6. *Lagierella massiliensis* gen. nov., sp. nov., Isolated from a Stool Sample.**

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Traore SI, Lo CI, **Bilen M**, Raoult D, Fenollar F, Fournier PE. *Lagierella massiliensis* gen. nov., sp. nov., Isolated from a Stool Sample. Curr Microbiol. 2021 Jul;78(7):2481-2487. doi: 10.1007/s00284-021-02539-0. Epub 2021 May 27.

**7. Strategies and advancements in human microbiome description and the importance of culturomics.**

**Melhem Bilen:** Strategies and advancements in human microbiome description and the importance of culturomics. Microbial pathogenesis 09/2020;; DOI: 10.1016/j.micpath.2020.104460

**8. Noncontiguous finished genome sequence and description of *Raoultibacter massiliensis* gen. nov., sp. nov. and *Raoultibacter timonensis* sp. nov., two new bacterial species isolated from the human gut.**

Sory Ibrahima Traore, **Melhem Bilen**, Mamadou Beye, Awa Diop, Maxime Descartes Mbogning Fonkou, Mamadou Lamine Tall, Caroline Michelle, Muhammad Yasir, Esam Ibraheem Azhar, Fehmida Bibi, Fadi Bittar, Asif Ahmad Jiman-Fatani, Ziad Daoud, Frédéric Cadoret, Pierre-Edouard Fournier, Sophie Edouard Noncontiguous finished genome sequence and description of *Raoultibacter massiliensis* gen. nov., sp. nov. and *Raoultibacter timonensis* sp. nov., two new bacterial species isolated from the human gut. MicrobiologyOpen 01/2019;; DOI:10.1002/mbo3.758

**9. *Dysgonomonas massiliensis* sp. nov., a new species isolated from the human gut and its taxonogenomic description.**

**Melhem Bilen**, Maxime Descartes Mbogning Fonkou, Grégory Dubourg, Enora Tomei, Magali Richez, Jérémy Delerce, Anthony Levasseur, Ziad Daoud, Didier Raoult, Frédéric Cadoret: *Dysgonomonas massiliensis* sp. nov., a new species isolated from the human gut and its taxonogenomic description. Antonie van Leeuwenhoek 01/2019;; DOI:10.1007/s10482-019-01227-1

**10. *Anaerosphaera massiliensis* sp. nov., a new bacterium isolated from the stool of a 39-year-old Pygmy.**

T.Takakura, R. Francis, H.Anani, **M.Bilen**, D.Raoult, J.Y.Bou Khalil. *Anaerosphaera massiliensis* sp. nov., a new bacterium isolated from the stool of a 39-year-old Pygmy. New Microbes New Infect <https://doi.org/10.1016/j.nmni.2019.100633>

**11. *Corynebacterium neomassiliense* sp. nov., a new bacterium isolated from a healthy pygmy male stool sample.**

M.Boxberger, I. Hasni, **M.Bilen**, B.La Scola. *Corynebacterium neomassiliense* sp. nov., a new bacterium isolated from a healthy pygmy male stool sample. New Microbes New Infect <https://doi.org/10.1016/j.nmni.2019.100644>

**12. *Enterococcus mediterraneensis* sp. nov., a new bacterium isolated from the stool of a 39-year-old Pygmy.**

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Takakura , Francis R, Anani H, **Bilen M**, Raoult D, Bou Khalil JY. *Enterococcus mediterraneensis* sp. nov., a new bacterium isolated from the stool of a 39-year-old Pygmy. New Microbes New Infect 10.1016/j.nmni.2019.100599

### 13. Human Gastrointestinal Microbiota by Culturomics in Africa. Med Sante

Traoré SI, **Bilen M**, Cadoret F, Khelaifia S, Million M, Raoult D, Lagier JC. Study of Human Gastrointestinal Microbiota by Culturomics in Africa. Med Sante Trop. 2019 Nov 1;29(4):366-370. English. doi: 10.1684/mst.2019.0943. PMID: 31884983.

### 14. Non-contiguous finished genome sequencing and description of *Enterococcus timonensis* sp. nov. isolated from human sputum.

Mbogning Fonkou MD, **Bilen M**, Gouba N, Khelaifia S, Cadoret F, Nguyen TT, Richez M, Bittar F, Fournier PE, Raoult D, Dubourg G. Non-contiguous finished genome sequencing and description of *Enterococcus timonensis* sp. nov. isolated from human sputum. New Microbes New Infect. 2019 Mar 21;29:100532. doi: 10.1016/j.nmni.2019.100532. PMID: 31011427; PMCID: PMC6461582.0

### 15. The contribution of culturomics to the repertoire of isolated human bacterial and archaeal species.

**Melhem Bilen**, Jean-Charles Dufour, Jean-Christophe Lagier, Frédéric Cadoret, Ziad Daoud, Grégory Dubourg, Didier Raoult: The contribution of culturomics to the repertoire of isolated human bacterial and archaeal species. Microbiome 12/2018; 6(1), DOI:10.1186/s40168-018-0485-5

### 16. Culturing the human microbiota and culturomics.

Jean-Christophe Lagier, Grégory Dubourg, Matthieu Million, Frédéric Cadoret, **Melhem Bilen**, Florence Fenollar, Anthony Levasseur, Jean-Marc Rolain, Pierre-Edouard Fournier, Didier Raoult: Culturing the human microbiota and culturomics. Nature Reviews Microbiology 06/2018; DOI:10.1038/s41579-018-0041-0

### 17. *Phoenicibacter congonensis* gen. nov., sp. nov., a new genus isolated from the human gut and its description using a taxonogenomic approach.

**Melhem Bilen**, Mbogning FONKOU Maxime Descartes, Aurelia Caputo, Thi-Thien Nguyen, Fabrizio Di Pinto, Fadi Bittar, Ziad Daoud, Anthony Levasseur, Pierre Edouard Fournier, Didier Raoult, Frédéric Cadoret: *Phoenicibacter congonensis* gen. nov., sp. nov., a new genus isolated from the human gut and its description using a taxonogenomic approach. Antonie van Leeuwenhoek 12/2018; DOI:10.1007/s10482-018-01211-1

### 18. Taxonogenomics description of *Parabacteroides timonensis* sp. nov. isolated from a human stool sample.

**Melhem Bilen**, Maxime Descartes Mbogning Fonkou, Saber Khelaifia, Enora Tomei, Frédéric Cadoret, Ziad Daoud, Nicholas Armstrong, Fadi Bittar, Pierre-Edouard Fournier, Didier Raoult, Gregory Dubourg: Taxonogenomics description of *Parabacteroides timonensis* sp. nov. isolated from a human stool sample.

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MicrobiologyOpen 10/2018; DOI:10.1002/mbo3.702

### 19. *Miniphocibacter massiliensis* gen. nov., sp. nov., a new species isolated from the human gut and its taxono-genomics description.

**Melhem Bilen**, Maxime D. Mbogning Fonkou, Thi T. Nguyen, Magali Richez, Ziad Daoud, Pierre E. Fournier, Didier Raoult, Frédéric Cadoret: *Miniphocibacter massiliensis*



gen. nov., sp. nov., a new species isolated from the human gut and its taxonomics description. MicrobiologyOpen 10/2018;, DOI:10.1002/mbo3.735

**20. Naming microorganisms: The contribution of the IHU Mediteranee Infection, Marseille, France.**

Jean-Christophe Lagier, **Melhem Bilen**, Frédéric Cadoret, Michel Drancourt, Pierre Edouard Fournier, Bernard La Scola, Didier Raoult: Naming microorganisms: The contribution of the IHU Mediteranee Infection, Marseille, France. New Microbes New Infect 08/2018; 26., DOI:10.1016/j.nmni.2018.08.006

**21. Genomic and phenotypic description of the newly isolated human species *Collinsella bouchesdurhonensis* sp. nov.**

**Melhem Bilen**, Mamadou Beye, Mbogning FONKOU Maxime Descartes, Saber Khelaifia, Frédéric Cadoret, Nicholas Armstrong, Thi Tien Nguyen, Jeremy Delerce, Ziad Daoud, Didier Raoult, Pierre-Edouard Fournier: Genomic and phenotypic description of the newly isolated human species *Collinsella bouchesdurhonensis* sp. nov. MicrobiologyOpen 06/2018;, DOI:10.1002/mbo3.580

**22. *Eggerthella timonensis* sp. nov, a new species isolated from the stool sample of a pygmy female.**

**Melhem Bilen**, Mbogning FONKOU Maxime Descartes, Enora Tomei, Fadi Bittar, Jean Christophe Lagier, Ziad Daoud, Pierre-Edouard Fournier, Didier Raoult, Frédéric Cadoret: *Eggerthella timonensis* sp. nov, a new species isolated from the stool sample of a pygmy female. MicrobiologyOpen 06/2018;, DOI:10.1002/mbo3.575

**23. Non-contiguous finished genome sequences and description of *Bacteroides mediterraneensis* sp. nov., *Bacteroides ihuae* sp. nov., *Bacteroides togonis* sp. nov., *Bacteroides ndongoniae* sp. nov., *Bacteroides ilei* sp. nov., *Bacteroides congongensis* sp. nov., identified by culturomics.**

Claudia Andrieu, Morgane Mailhe, Davide Ricaboni, Maxime Descartes Mbogning Fonkou, **Melhem Bilen**, Frédéric Cadoret, Enora Tomei, Nicholas Armstrong, Véronique Vitton, Alban Benezech, Bernard Davoust, Anthony Levasseur, Jean Christophe Lagier, Pierre-Edouard Fournier, Didier Raoult: Non-contiguous finished genome sequences and description of *Bacteroides mediterraneensis* sp. nov., *Bacteroides ihuae* sp. nov., *Bacteroides togonis* sp. nov., *Bacteroides ndongoniae* sp. nov., *Bacteroides ilei* sp. nov., *Bacteroides congongensis* sp. nov., identified by culturomics. New Microbes New Infect DOI:10.1016/j.nmni.2018.06.006

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**24. Non-contiguous finished genome sequences and descriptions of *Actinomyces ihuae*, *Actinomyces bouchesdurhonensis*, *Actinomyces urinae*, *Actinomyces marseillensis*, *Actinomyces mediterranea* and *Actinomyces oralis* sp.nov. identified by Culturomics.**

Maxime Descartes Mbogning Fonkou, Morgane Mailhe, Sokhna Ndongo, Davide Ricaboni, Aurélie Morand, Florent Cornu, Maryam Tidjani Alou, **Melhem Bilen**, Claudia Andrieu, Anthony Levasseur, Frédéric Cadoret, Didier Raoult: Non-contiguous finished genome sequences and descriptions of *Actinomyces ihuae*, *Actinomyces bouchesdurhonensis*, *Actinomyces urinae*, *Actinomyces marseillensis*, *Actinomyces mediterranea* and *Actinomyces oralis* sp.nov. identified by Culturomics. New Microbes New Infect 06/2018; 25., DOI:10.1016/j.nmni.2018.06.004

25. *Sanguibacter massiliensis* sp. nov., *Actinomyces minihominis* sp. nov., *Clostridium minihomine* sp. nov., *Neobittarella massiliensis* gen. nov., and *Miniphocibacter massiliensis* gen. nov., new bacterial species isolated by culturomics from human stool samples.

**Melhem Bilen**, Maxime Descartes Mbogning Fonkou, Frédéric Cadoret, Gregory Dubourg, Ziad Daoud, Didier Raoult: *Sanguibacter massiliensis* sp. nov., *Actinomyces minihominis* sp. nov., *Clostridium minihomine* sp. nov., *Neobittarella massiliensis* gen. nov., and *Miniphocibacter massiliensis* gen. nov., new bacterial species isolated by culturomics from human stool samples. *New Microbes New Infect* 03/2018; 24., DOI:10.1016/j.nmni.2018.03.002

26. “*Enterococcus timonensis*” sp. nov., “*Actinomyces marseillensis*” sp. nov., “*Leptotrichia massiliensis*” sp. nov., “*Actinomyces pacaensis*” sp. nov., “*Actinomyces oralis*” sp. nov., “*Actinomyces culturomici*” sp. nov., and “*Gemella massiliensis*” sp. nov., new bacterial species isolated from the human respiratory microbiome.

Maxime Descartes Mbogning Fonkou, **Melhem Bilen**, Frederic Cadoret, Pierre-Edouard Fournier, Gregory Dubourg, Didier Raoult: “*Enterococcus timonensis*” sp. nov., “*Actinomyces marseillensis*” sp. nov., “*Leptotrichia massiliensis*” sp. nov., “*Actinomyces pacaensis*” sp. nov., “*Actinomyces oralis*” sp. nov., “*Actinomyces culturomici*” sp. nov., and “*Gemella massiliensis*” sp. nov., new bacterial species isolated from the human respiratory microbiome. 12/2017; 22(C), *New Microbes New Infect* DOI:10.1016/j.nmni.2017.12.005

27. *Libanicoccus massiliensis* gen. nov., sp. nov., a new bacterium isolated from human stool.

**Melhem Bilen**, Frédéric Cadoret, Magali Richez, Enora Tomei, Ziad Daoud, Didier Raoult, Pierre-Edouard Fournier, Didier: *Libanicoccus massiliensis* gen. nov., sp. nov., a new bacterium isolated from human stool. 11/2017; 21(C), *New Microbes New Infect* DOI:10.1016/j.nmni.2017.11.001

28. “*Lactobacillus raoultii*” sp. nov., a new bacterium isolated from the vaginal flora of a woman with bacterial vaginosis.

Bérangère Nicaise, **Melhem Bilen**, Frédéric Cadoret, Florence Bretelle, Florence  
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Fenollar: “*Lactobacillus raoultii*” sp. nov., a new bacterium isolated from the vaginal flora of a woman with bacterial vaginosis. 10/2017; 21(C), *New Microbes New Infect* DOI:10.1016/j.nmni.2017.10.006

29. Developmental Cycle and Genome Analysis of *Protochlamydia massiliensis* sp. nov. a New Species in the Parachlamydiace Family.

Samia Benamar, Jacques Y. Bou Khalil, Caroline Blanc-Tailleur, **Melhem Bilen**, Lina Barrassi, Bernard La Scola: Developmental Cycle and Genome Analysis of *Protochlamydia massiliensis* sp. nov. a New Species in the Parachlamydiace Family. *Frontiers in Cellular and Infection Microbiology* 08/2017; 7:385., DOI:10.3389/fcimb.2017.00385

30. « *Olsenella congongensis* » sp.nov., identified in human stool sample.

**Melhem Bilen**, Frédéric Cadoret, Gregory Dubourg, Ziad Daoud, Pierre Edouard Fournier, Didier Raoult:  
« *Olsenella congolensis* » sp.nov., identified in human stool sample. 06/2017; 19(C). New Microbes New Infect, DOI:10.1016/j.nmni.2017.05.013

**31. “*Phoenicibacter massiliensis*” gen. nov., sp. nov. , a new bacterium isolated from the human gut of a pygmy woman.**

**Melhem Bilen**, Frédéric Cadoret, Gregory Dubourg, Pierre-Edouard Fournier, Ziad Daoud, Didier Raoult: “ *Phoenicibacter massiliensis* ” gen. nov., sp. nov. , a new bacterium isolated from the human gut of a pygmy woman. 04/2017; 19(C)., New Microbes New Infect DOI:10.1016/j.nmni.2017.04.003

**32. “*Gabonibacter timonensis*” sp., nov., a new bacterium isolated from the human gut of a pygmy female.**

**Melhem Bilen**, Frédéric Cadoret, Gregory Dubourg, Ziad Daoud, Pierre-Edouard Fournier, Didier Raoult: “*Gabonibacter timonensis*” sp., nov., a new bacterium isolated from the human gut of a pygmy female. 12/2016; 16(C)., New Microbes New Infect DOI:10.1016/j.nmni.2016.12.017

**33. “*Raoultibacter timonensis*” gen. nov., sp. nov. , a new bacterium isolated from the human gut of a pygmy female.**

**Melhem Bilen**, Frédéric Cadoret, Gregory Dubourg, Ziad Daoud, Pierre-Edouard Fournier, Didier Raoult: “*Raoultibacter timonensis*” gen. nov., sp. nov. , a new bacterium isolated from the human gut of a pygmy female. 12/2016; 16(C)., New Microbes New Infect DOI:10.1016/j.nmni.2016.12.016

**34. “*Pygmaibacter massiliensis*” sp., nov., a new bacterium isolated from the human gut of a pygmy female.**

**Melhem Bilen**, Maxime Descartes Mbogning, Frédéric Cadoret, Gregory Dubourg, Ziad Daoud, Pierre Edouard Fournier, Didier Raoult: “*Pygmaibacter massiliensis*” sp., nov., a  
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new bacterium isolated from the human gut of a pygmy female. 12/2016; 16(C)., New Microbes New Infect DOI:10.1016/j.nmni.2016.12.015

**35. Culture of previously uncultured members of the human gut microbiota by culturomics.**

Lagier JC, Kheliaffa S, Tidjani Alou M, Sokhna Ndongo, Niokhor Dione, Perrine Hugon, Aurelia Caputo, Frédéric Cadoret, Sory Ibrahima Traore, El Hadji Seck, Gregory Dubourg, Guillaume Durand, Gaël Mourembou, Elodie Guilhot, Amadou Togo, Sara Bellali, Dipankar Bachar, Nadim Cassir, Fadi Bittar, Jérémy Delerce, Morgane Mailhe, Davide Ricaboni, **Melhem Bilen**, Dangui NPM, Ndeye Mery Dia Badiane, Camille Valles, Donia Mouelhi, Khoudia Diop, Matthieu Million, Didier Musso, Jônatas Abrahão, Esam Ibraheem Azhar, Fehmida Bibi, Muhammad Yasir, Aldiouma Diallo, Cheikh Sokhna, Felix Djossou, Véronique Vitton, Robert CT, Jean Marc Rolain, La Scola B, Fournier PE, Anthony Levasseur, Didier Raoult: Culture of previously uncultured members of the human gut microbiota by culturomics. Nature Microbiology 11/2016; 1., DOI:10.1038/nmicrobiol.2016.203

**36. "Eggerthella timonensis" gen. nov. isolated from a human stool sample.**

**Bilen M**, Cadoret F, Daoud Z, Fournier PE, Raoult D. "Eggerthella timonensis" gen. nov. isolated from a human stool sample. New Microbes New Infect. 2016;17:41-42. Published 2016 Nov 15. doi:10.1016/j.nmni.2016.11.001

**37. «Collinsella bouchesdurhonensis» sp.nov., identified in human stool sample.**

**Melhem Bilen**, Frédéric Cadoret, Ziad Daoud, Pierre Edouard Fournier, Didier Raoult: «Collinsella bouchesdurhonensis» sp.nov., identified in human stool sample. 11/2016; 17(C)., New Microbes New Infect DOI:10.1016/j.nmni.2016.11.004

**38. "Mobilobacterium massiliense" gen.nov. and "Mobilobacterium timonense" sp.nov., identified in human stool specimen.**

**Melhem Bilen**, Ndongo Sokhna, Cadoret Frederic, Dubourg Gregory, Ziad Daoud, Pierre-Edouard Fournier, Didier Raoult: "Mobilobacterium massiliense" gen.nov. and "Mobilobacterium timonense" sp.nov., identified in human stool specimen. New Microbes New Infect 11/2016; 15(C)., DOI:10.1016/j.nmni.2016.11.008

**39. "Congobacterium massiliense" gen. nov. sp. nov. , a new bacterium isolated from the human gut of a pygmy female.**

**Melhem Bilen**, Frédéric Cadoret, Ziad Daoud, Pierre Edouard Fournier, Didier Raoult: "Congobacterium massiliense" gen. nov. sp. nov. , a new bacterium isolated from the human gut of a pygmy female. 11/2016; 15(C)., New Microbes New Infect DOI:10.1016/j.nmni.2016.11.005

**40. «Eggerthella timonensis» gen.nov., isolated from a human stool sample.**

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**Melhem Bilen**, Frédéric Cadoret, Ziad Daoud, Pierre-Edouard Fournier, Didier Raoult: «Eggerthella timonensis» gen.nov., isolated from a human stool sample. 11/2016; 17(C)., New Microbes New Infect DOI:10.1016/j.nmni.2016.11.001

**41. Bacteroides congonensis sp. nov., a new bacterial species from the human gut microbiota.**

**Melhem Bilen**, Frederic Cadoret, Ziad Daoud, Pierre-Edouard Fournier: Bacteroides congonensis sp. nov., a new bacterial species from the human gut microbiota. 11/2016; 2., HUMIC journal DOI:10.1016/j.humic.2016.11.004

**42. Parabacteroides timonensis sp. nov., identified in human stool.**

**Melhem Bilen**, Frederic Cadoret, Ziad Daoud, Pierre-Edouard Fournier, Didier Raoult: Parabacteroides timonensis sp. nov., identified in human stool. 10/2016; 2., HUMIC journal DOI:10.1016/j.humic.2016.10.002

**43. "Libanicoccus massiliensis" gen. nov., sp. nov., a new bacterium isolated from a stool sample from a pygmy woman.**

**Bilen M**, Cadoret F, Fournier PE, Daoud Z, Raoult D. "Libanicoccus massiliensis" gen.

nov., sp. nov., a new bacterium isolated from a stool sample from a pygmy woman.  
New Microbes New Infect. 2016 Oct 20;15:40-41. doi: 10.1016/j.nmni.2016.10.006. PMID:  
27942387; PMCID: PMC5137330.