

# Dr. Meriem Bekliz

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Scoopus: h-index= 14 [55917855600](https://scopus.com/authors/details/h-index?authorID=55917855600)

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## EDUCATION

2023 – 2024	<b>University qualifications</b> <b>Section 64, section 65 &amp; section 87</b> From French ministry of higher education	FRANCE
2013 – 2016	<b>PhD degree in Human Diseases</b> <b>mention “Infectious diseases”</b> Diploma awarded with distinction La Timone Hospital, Faculty of medicine- Aix-Marseille university	MARSEILLE, FR
2012 – 2013	<b>Master 2 degree in human diseases</b> <b>mention “Infectious diseases, contagions and prevention”</b> Faculty of medicine- Aix-Marseille university	MARSEILLE, FR
2011 – 2012	<b>Master's degree in human diseases</b> La Timone Hospital (APHM), Aix-Marseille university	MARSEILLE, FR

## EMPLOYMENT POSITIONS

2024 – PRESENT	<b>UNIVERSITY OF SHARJAH</b> <b>APPLIED BIOLOGY- COLLEGE OF SCIENCE</b> <b>Assistant Professor</b>	SHARJAH, UAE
2020 – 2024	<b>UNIVERSITY OF GENEVA</b> <b>HUG- GENEVA CENTRE FOR EMERGING VIRAL DISEASES</b> <b>UNIVERSITY MEDICAL CENTER, DPT OF MOLECULAR MEDICINE AND MICROBIOLOGY</b> <b>Senior Scientist</b>	GENEVA, CH
2017 – 2020	<b>SWISS FEDERAL INSTITUTE OF TECHNOLOGY (EPFL)</b> <b>STREAM BIOFILM ECOSYSTEMS RESEARCH LABORATORY (SBER)</b> <b>Junior scientist (Postdoctoral Researcher)</b>	LAUSANNE, CH
2013 – 2016	<b>AIX-MARSEILLE UNIVERSITY</b> <b>LA TIMONE HOSPITAL (APHM) &amp; FACULTY OF MEDICINE</b> <b>PhD in human diseases</b> <b>mention “Infectious diseases, contagions and prevention”</b>	MARSEILLE, FR

## I. Professional experience: *RESEARCH*

2020 – 2024	<b>UNIVERSITY OF GENEVA</b> <b>HUG- GENEVA CENTRE FOR EMERGING VIRAL DISEASES</b> <b>UNIVERSITY MEDICAL CENTER, DPT OF MOLECULAR MEDICINE AND MICROBIOLOGY</b>	GENEVA, CH
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### **PROJECTS LEADER:**

- Distinct phenotype of Monkeypox clades in animal primary cell lines
- Analytical and retrospective comparison of Ag-RDT & POC molecular assays for emerging monkeypox clades

- Intra-host dynamic evolution of SARS-CoV-2 (genomic)
- Neutralization capacity of antibodies against SARS-CoV-2 VOCs/VOIs
- Analytical & retrospective comparison of Ag-RDT for emerging SARS-CoV-2 variants
- SARS-CoV-2 resistance in immunocompromised patients
- Covid-19 treatments observatory
- SARS-CoV-2 variants (VOC/VOI) biobank
- SARS-CoV-2 sera and plasma biobank
- SARS-CoV-2 genomic comparison
- MPOX variants biobank

**COLLABORATIVE PROJECTS:**

- WHO CoronaVirus Network (CoViNet) exercise on immune escape assessment of SARS-CoV-2 XBB.1.5 (WHO)
- SARS-CoV-2 variants (VOC/VOI) biobank (WHO-BioHub)
- MPOX variants (WHO-BioHub)
- Comparative Analysis of SARS-CoV-2 Neutralization Titers. (Pr. Darek Smith)
- Longitudinal Study of Covid19 Antibody Profiles in Children (Dr. Géraldine , Blanchard-Rohner)
- Antiviral properties against enveloped viruses (Pr. Caroline Tapparel)
- Mucosal antibody responses to different infections and vaccinations (Dr. Olha Puhach)
- Distinct phenotype of SARS-CoV-2 in human primary cell lines (Dr. Manel Essaidi-Lasiozi)
- RT-PCR assay for SARS-CoV-2 identification (M. Philippe Corbusier & European Commission)
- Study of SARS-CoV-2 VOCs fitness (Pr. Volker Thiel & Pr. Charaf Benarafa)
- Epidemiological and virological investigation of SARS-CoV-2 outbreaks (Dr. Elsa Lorthe & Pr. Silvia Stringhini)

2017 – 2020

SWISS FEDERAL INSTITUTE OF TECHNOLOGY (EPFL)  
STREAM BIOFILM ECOSYSTEMS RESEARCH LABORATORY (SBER)

LAUSANNE, CH

**PROJECTS LEADER:**

- Spatiotemporal dynamics of viral diversity in alpine stream biofilms
- Benchmarking protocols for the metagenomic analysis of stream biofilm viromes
- Explore the coupling between viral and prokaryotic diversity patterns across the dendritic landscape of a stream network
- Screen and detection of viruses in streams biofilm
- Leading and supervising a field-team and lab-team to collect and screen samples
- Implementation of virology techniques (virus isolation, purification, concentration, quantification, NGS libraries preparation & Miseq sequencing ...)
- Implementation of a virology laboratory corner (setting up projects from beginning to the end)

**COLLABORATIVE PROJECTS:**

- Screen environmental samples to find human viruses (Dr. Anna Carratalà & Pr. Tamar Kohn)

2013– 2016

AIX-MARSEILLE UNIVERSITY  
LA TIMONE HOSPITAL (APHM) & FACULTY OF MEDICI

**PROJECTS LEADER:**

- Discovery of a new defence system in giant viruses mimicking CRISPR-Cas
- Interaction host-pathogen: mimivirus translation protein in *amoeba*
- Interaction host-pathogens: Interaction between giant viruses, virophages and amoeba host
- Manipulation of several types of giant viruses and virophages
- Detection of amoeba giant viruses genotypes in different types of environment

#### **COLLABORATIVE PROJECTS:**

- Detection of new virophages metagenomes (Pr. Philippe Colson)
- Screen environmental samples to find new giant viruses and new virophages (Pr. Jônatas Santos Abrahão)
- Detection of amoeba giant viruses genotypes in different type of environment (Dr. Isabelle Pagnier)

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## **II. Professional experience: *ACADEMIC AND ADMINISTRATIVE SERVICE***

#### **COMMITTEE MEMBERSHIP AND LEADERSHIP ROLES:**

**Committee Member:** Participated in the Teaching Load and Exam Schedules Committee, contributing to the organization and equitable distribution of teaching responsibilities and exam planning.

**Committee Member:** Collaborated on the Conferences and Seminars Committee to plan, coordinate, and evaluate academic events, fostering knowledge exchange and professional development.

**Committee Member:** Contributed to the Exam Review Committee, ensuring the quality, fairness, and alignment of assessments with academic standards.

#### **Engagement in Scientific and Academic Events:**

**Jury Member:** Evaluated oral presentations and poster presentations, providing constructive feedback and assessing research quality, communication skills, and scientific rigor.

- Reviewed and assessed undergraduate students' research projects, ensuring alignment with academic and scientific standards.

#### **TEACHING ACTIVITIES:**

- Graduate students. Sharjah university, Sharjah, UAE
- Undergraduate students. Sharjah university, Sharjah, UAE
- Bachelor Medicine, Faculty of Medicine Geneva, Switzerland
- Bachelor and undergraduate students in Biomedical sciences, Geneva university, Switzerland
- Bachelor Medicine, PBL (Problem-Based Learning) Virology, Faculty of Medicine, University of Geneva, Switzerland
- Bachelor life science, EPFL, Lausanne, Switzerland
- Undergraduate and graduate students. Aix-Marseille University, Marseille France
- Training in genetic, molecular biology, microbiology, virology and immunology to students from different high-school with "Tous-chercheur" association, INMED, Marseille, France

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## **III. Professional experience: *SCIENTIFIC AND ADMINISTRATIVE ACTIVITIES***

#### **PREVIOUS ACTIVITIES:**

- Member for exchanges with WHO Biohub, Spiez Laboratory, Switzerland (2022-2024)
- Member of WHO CoViNet group (2022-2024)
- Coordinator for diagnostic validation projects with FIND (2020-2023)
- Joint ECDC/WHO Euro Virus Characterization Working Group (2020-2023)

- Joint WHO Europe/ECDC Laboratory Network call (2020-2023)
- Local organizing committee of the 1st International biotechnology conference 2024, Sharjah, UAE (ca. 250 participants)..
- Local organizing committee of the XVth International Nidovirus symposium 2023, Montreux, Switzerland, planned for May 14-18, 2023 (ca. 400 participants)..
- Local organizing committee of the 3th Symposium of the Centre for Emerging Viral Diseases in Geneva “Covid19 and beyond - understanding emerging viruses and their public health impact”. 3 days symposium December 7-9, 2022, Geneva, Switzerland (ca. 250 participants).
- Interviews (national & international): NPR (USA- National Public Radio) , RTS (Radio Television Swiss), Le Matin (Swiss newspaper), Science-Switzerland, Tribune de Genève (Geneva newspaper), Cent, PMLive, CapRadio...

#### **OTHERS:**

- Management of BSL-3 lab and all the equipments in the BSL-3
- BSL-3 training and supervision of new collaborators
- Training in virology, cell culture, molecular biology, immunology, proteomic and microbiology methodes to PhDs students, master/bachelor students, research assistants and technicians
- Mentoring programme of the weekly seminars for master/bachelor, PhD students and post-docs at URMITE department, Marseille, France
- Assumed for two years the responsibility of the management of the molecular stock provision for master/bachelor, PhD students and post-docs for the whole department
- Management of molecular biology equipments

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#### **APPROVED RESEARCH PROJECTS**

<b>2018-2020</b>	<b>ENAC exploratory subvention, ENAC Special Call Grant (20 000 CHF)</b> Characterization of pathogenic viruses in stream biofilms Swiss Federal Institute of Technology (EPFL)	<b>LAUSANNE, CH</b>
<b>2013-2016</b>	<b>PhD Scholarship</b> , Mediteranean Infection foundation, Faculty of medicine at Aix-Marseille University	<b>MARSEILLE, FR</b>

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#### **PRIZES, AWARDS & FELLOWSHIPS**

<b>2017</b>	<b>Best PhD thesis</b> Aix-Marseille University
<b>2017</b>	<b>Best junior scientific publication</b> Mediterranean Infection
<b>2016</b>	<b>Silver medal for the high quality of the research work</b> Mediterranean Infection, Scientific day

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#### **SCIENTIFIC AND COLLABORATIVE PROJECTS**

<b>2022 – 2024</b>	<b>WHO-BioHub</b> For pathogen storage, sharing and analysis	<b>GENEVA, CH</b>
<b>2022 – 2024</b>	<b>WHO-CoViNet</b> Coronaviruses characterization	<b>GENEVA, CH</b>
<b>2020 – 2024</b>	<b>Institute of Virology and Immunology</b> Coronavirus Host-Interaction	<b>BERN, CH</b>
<b>2020 – 2023</b>	<b>FIND</b> Foundation for Innovative New Diagnostics Support for accurate 2019-nCoV & Mpox diagnostics	<b>GENEVA, CH</b>
<b>2017-2019</b>	<b>SCIENTIFIC EXCHANGE-Visit</b>	<b>SAN DIEGO, USA</b>

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## SELECTED CONTRIBUTIONS TO CONFERENCES & SEMINARS

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### **Moderator:**

- **March-2024:** WHO CoronaVirus Network (CoViNet) meeting, 26-27 March 2024, WHO Headquarters, Geneva Switzerland.  
Session: Role of CoViNet Core Members future engagement in post-market surveillance of coronavirus diagnostics accuracy and therapeutic efficacy.

### **CHAIRS:**

- **May-2023:** The XVth International Nidovirus Symposium, Montreux, Switzerland. Session Antivirals
- **December- 2022:** The 3th Symposium of the Centre for Emerging Viral Diseases, Geneva, Switzerland. Session Monkeypox

### **PRESENTATIONS:**

- **2024:** WHO CoronaVirus Network (CoViNet) meeting. WHO Headquarters, Geneva Switzerland
- **2023:** Swiss Virology meeting, Bern, Switzerland
- **2021:** Webinar WHO. Optimization of a Sanger sequencing protocol to identify and monitor SARS-CoV-2 VOCs?
- **2021:** Swiss Society For Microbiology (SSM). Resistance and escape of SARS-CoV-2 variants from neutralization by sera from naturally infected patients or after Covid-19 vaccination, Montreux, Switzerland
- **2019:** 7th Swiss Microbial Ecology Meeting (SME 2019), Lausanne Switzerland January 2019: The abundance and diversity of viruses in alpine stream biofilms
- **2018:** 17th International Symposium on Microbial Ecology (ISME17), Leipzig Germany, August 2018:
- **2017:** 15th Symposium on Aquatic Microbial Ecology (SAME15), Zagreb, Croatia, 3-8 September 2017: Are there viruses in stream microbial biofilms?
- **2017:** Animation seminar on virology. San Diego, USA
- **2016:** Animation seminar on giant viruses and virophages. ENS, Lyon, France
- **2016:** Animation seminar on giant viruses and virophages. Geneva, Switzerland
- **2016:** Medical School Seminar Series. Interaction between giant viruses and virophages. Faculty of medicine, Marseille, France
- **2015:** 23rd Annual Meeting of Doctoral School, Campus de Luminy, Marseille, France June 2015
- **2014:** Medical School Seminar Series. Giant viruses & virophages. Faculty of Medicine, Marseille, France
- Others ...

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## PUBLICATIONS

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### ***SUMMARY PUBLICATIONS AND CITATIONS***

- Total Number of Accepted Publication: 24 publications (Date: 18.01.2025)
- First authorships (incl. shared first authorship): 14/26
- Total number of citations: 987
- H-index: 16

### ***BIBLIOGRAPHY PAST YEARS***

#### **Peer-Reviewed Publications**

1. Brangel P, Tureli S, Mühlemann B, Liechti N, Zysset D, Engler O, Hunger-Glaser I, Ghiga I, Mattiuzzo G, Eckerle I, **Bekliz M**, Rössler A, Schmitt MM, Knabl L, Kimpel J, Tort LFL, de Araujo MF, de Oliveira ACA, Caetano BC, Siqueira MM, Budt M, Gensch JM, Wolff T, Hassan T, Selvaraj FA, Hermanus T, Kgagudi P, Crowther C, Richardson SI, Bhiman JN, Moore PL, Cheng SMS, Li JKC, Poon LLM, Peiris M, Corman VM, Drosten C, Lai L, Hunsawong T, Rungrajcharoenkit K, Lohachanakul J, Sigal A, Khan K, Thiel V, Barut GT, Ebert N, Mykytyn AZ, Owusu Donkor I, Aboagye JO, Nartey PA, Van Kerkhove MD, Cunningham J, Haagmans BL, Suthar MS, Smith D, Subissi L. A Global Collaborative Comparison of SARS-CoV-2 Antigenicity Across 15 Laboratories. *Viruses*. 2024 Dec 18;16(12):1936. doi: 10.3390/v16121936. PMID: 39772242; PMCID: PMC11680265. **IF-2024: 4.7**
2. B Mühlemann†, S Wilks†, L Baracco, **M Bekliz**, J M Carreño, V M Corman, M E Davis-Gardner, W Dejnirattisai, M S Diamond, DC Douek, C Drosten, I Eckerle, V-V Edara, M Ellis, R A M Fouchier, M Frieman, S Godbole, B Haagmans, P J Halfmann, A R Henry, T C Jones, L C Katzelnick, Y Kawaoka, J Kimpel, F Krammer, L Lai, C Liu, S Lusvardi, B Meyer, J Mongkolsapaya, D C Montefiori, A Mykytyn, A Netzl, S Pollett, A Rössler, G R Screaton, X Shen, A Sigal, V Simon, R Subramanian, P Supasa, M S Suthar, S Tureli, W Wang, C D Weiss, D J Smith. Comparative Analysis of SARS-CoV-2 Neutralization Titers across Assays and Human and Animal Serum. *Science Translational Medicine*. 2024.; doi: <https://doi.org/10.1101/2023.09.27.559689>. **IF-2023: 17.1**
3. **Bekliz, M**, Thiriard A, Stringhini S, Marchant A, Didierlaurent A, Meyer B, Blanchard-Rohner G. One-year Longitudinal Study of Antibody Profiles in Children: MIS-C Versus Children With Uncomplicated COVID-19. 2024. *The Pediatric Infectious Disease Journal*. DOI: 10.1097/INF.0000000000004261. **IF-2024: 5.235**
4. Manel Essaidi-Laziosi, Francisco Javier Perez Rodriguez, Catia Alvarez, Pascale Sattonnet-Roche, Giulia Torriani, **Meriem Bekliz**, Kenneth Adea, Matthias Lenk, Tasnim Suliman, Wolfgang Preiser, Marcel A. Müller, Christian Drosten, Laurent Kaiser, Isabella Eckerle. Distinct phenotype of SARS-CoV-2 Omicron BA.1 in human primary cells but no increased host range in cell lines of putative mammalian reservoir species. *Virus Research*. 2024, 199255, ISSN 0168-1702, <https://doi.org/10.1016/j.virusres.2023.199255>. **IF-2024: 6.286**
5. O Puhach, M Bellon, K Adea, **M Bekliz**, K Hosszu-Fellous, P Sattonnet, N Hulo, L Kaiser, I Eckerle, B Meyer. SARS-CoV-2 convalescence and hybrid immunity elicits mucosal immune responses. 2023. 104893, ISSN 2352-3964, <https://doi.org/10.1016/j.ebiom.2023.104893>. *eBiomedicine*. **IF-2023: 11.205**
6. Arnaud Charles-Antoine Zwygart, M.D; Chiara Medaglia; Robin Huber; Romain Poli; Laurence Marcourt; Sylvain Schnéé; Emilie Michellod; Beryl Mazel-Sanchez; Samuel Constant; Song Huang; **Meriem Bekliz**; Katia Gindro; Emerson Ferreira Queiroz. Antiviral properties of trans- $\delta$ -viniferin derivatives against enveloped viruses. *Biomedicine & Pharmacotherapy*. 2023. 114825, ISSN 0753-3322, <https://doi.org/10.1016/j.biopha.2023.114825> . **IF-2023: 7.419**
7. **Bekliz M**, Adea K, Puhach O, Perez-Rodriguez F, Marques Melancia S, Baggio S, Corvaglia AR, Jacqueroz F, Alvarez C, Essaidi-Laziosi M, Escadafal C, Kaiser L, Eckerle I. Analytical Sensitivity of Eight Different SARS-CoV-2 Antigen-Detecting Rapid Tests for Omicron-BA.1 Variant. *MICROBIOLOGY SPECTRUM*. 2022 Aug 31;10(4):e0085322. doi: 10.1128/spectrum.00853-22. Epub 2022 Aug 8. PMID: 35938792; PMCID: PMC9430749. **IF-2022: 9.043**
8. Lorthe E, Bellon M, Michielin G, Berthelot J, Zaballa ME, Pennacchio F, **Bekliz M**, Laubscher F, Arefi F, Perez-Saez J, Azman AS, L'Huillier AG, Posfay-Barbe KM, Kaiser L, Guessous I, Maerkl SJ, Eckerle I, Stringhini S; SEROCO-Schools Study Group. Epidemiological, virological and serological investigation of a SARS-CoV-2 outbreak (Alpha variant) in a primary school: A prospective longitudinal study. *PLOS ONE*. 2022 Aug 17;17(8):e0272663. doi: 10.1371/journal.pone.0272663. PMID: 35976947; PMCID: PMC9385020. **IF-2022: 3.752**
9. **Bekliz M**, Adea K, Vetter P, Eberhardt CS, Hosszu-Fellous K, Vu DL, Puhach O, Essaidi-Laziosi M, Waldvogel-Abramowski S, Stephan C, L'Huillier AG, Siegrist CA, Didierlaurent AM, Kaiser L, Meyer B, Eckerle I. Neutralization capacity of antibodies elicited through homologous or heterologous infection or vaccination against SARS-CoV-2 VOCs. *NATURE COMMUNICATIONS*. 2022 Jul 4;13(1):3840. doi: 10.1038/s41467-022-31556-1. PMID: 35787633; PMCID: PMC9253337. **IF-2022: 17.694**
10. **Bekliz M et al.**, Viral diversity is linked to bacterial community composition in alpine stream biofilms. *ISME COMMUNICATIONS*. 2, 27, 2022. <https://doi.org/10.1038/s43705-022-00112-9>. **IF-2022: 5.1**
11. Corbisier P, Petrillo M, Marchini A, Querci M, Buttinger G, **Bekliz M**, Spiess K, Polacek C, Fomsgaard A, Van den Eede G. A qualitative RT-PCR assay for the specific identification of the SARS-CoV-2 B.1.1.529 (Omicron) Variant of Concern. *JOURNAL OF CLINICAL VIROLOGY*. 2022 Jul;152:105191. doi: 10.1016/j.jcv.2022.105191. Epub 2022 May 24. PMID: 35640400; PMCID: PMC9126828. **IF-2022: 14.481**
12. Ulrich L, Halwe NJ, Taddeo A, Ebert N, Schön J, Devisme C, Trüeb BS, Hoffmann B, Wider M, Fan X, **Bekliz M**, Essaidi-Laziosi M, Schmidt ML, Niemeyer D, Corman VM, Kraft A, Godel A, Laloli L, Kelly JN, Calderon BM, Breithaupt A, Wylezich C, Berenguer Veiga I, Gultom M, Osman S, Zhou B, Adea K, Meyer B, Eberhardt CS, Thomann L, Gsell M, Labrousseau F, Jores J, Summerfield A, Drosten C, Eckerle IA, Wentworth DE, Dijkman R, Hoffmann D, Thiel V, Beer M, Benarafa C. Enhanced fitness of SARS-CoV-2 variant of concern Alpha but not Beta. 2021.06.28.450190. *NATURE*. 2022 Feb;602(7896):307-313. doi: 10.1038/s41586-021-04342-0. Epub 2021 Dec 22. PMID: 34937050; PMCID: PMC8828469. **IF-2021: 69.504**

13. **Bekliz M**, Adea K, Essaidi-Laziosi M, Sacks JA, Escadafal C, Kaiser L, Eckerle I. SARS-CoV-2 antigen-detecting rapid tests for the delta variant. *THE LANCET MICROBE*. 2022 Feb;3(2):e90. doi: 10.1016/S2666-5247(21)00302-5. Epub 2021 Nov 24. PMID: 34849494; PMCID: PMC8612709. **IF-2022: 86.208**
14. **Bekliz M**, Adea K, Essaidi-Laziosi M, Sacks JA, Escadafal C, Kaiser L, Eckerle I. SARS-CoV-2 rapid diagnostic tests for emerging variants. *THE LANCET MICROBE*. 2021 Aug;2(8):e351. doi: 10.1016/S2666-5247(21)00147-6. Epub 2021 Jun 29. PMID: 34223400; PMCID: PMC8241290. **IF-2021: 86.208**
15. Vetter P, Cordey S, Schibler M, Vieux L, Despres L, Laubscher F, Andrey DO, Martischang R, Harbarth S, Cuvelier C, **Bekliz M**, Eckerle I, Siegrist CA, Didierlaurent AM, Eberhardt CS, Meyer B, Kaiser L; Geneva Center for Emerging Viral Diseases. Clinical, virologic and immunologic features of a mild case of SARS-CoV-2 reinfection. *CLIN MICROBIOL INFECT*. 2021 Feb 20;27(5):791.e1–4. doi: 10.1016/j.cmi.2021.02.010. Epub ahead of print. PMID: 33618012; PMCID: PMC7896115. **IF-2021: 13.31**
16. **Bekliz M**, Brandani J, Bourquin M, Battin TJ, Peter H. Benchmarking protocols for the metagenomic analysis of stream biofilm viromes. *PEERJ*. 2019 Dec 20;7:e8187. doi: 10.7717/peerj.8187. PMID: 31879573; PMCID: PMC6927355. **IF-2019: 3.06**
17. Mougari S, **Bekliz M**, Abrahao J, Di Pinto F, Levasseur A, La Scola B. Guarani Virophage, a New Sputnik-Like Isolate From a Brazilian Lake. *FRONTIERS IN MICROBIOLOGY*. 2019 May 3;10:1003. doi: 10.3389/fmicb.2019.01003. PMID: 31130943; PMCID: PMC6510173. **IF-2019: 5.640**
18. **Bekliz M**, Azza S, Seligmann H, Decloquement P, Raoult D, La Scola B. Experimental Analysis of Mimivirus Translation Initiation Factor 4a Reveals Its Importance in Viral Protein Translation during Infection of *Acanthamoeba polyphaga*. *JOURNAL OF VIROLOGY*. 2018 Apr 27;92(10):e00337-18. doi: 10.1128/JVI.00337-18. PMID: 29514904; PMCID: PMC5923065. **IF-2018: 4.324**
19. **Bekliz M**, Levasseur A, La Scola B, Raoult D. The defence system MIMIVIRE in mimivirus illustrates Red Queen hypothesis. *MED SCIENCE*. 2016 Oct;32(10):818-819. doi: 10.1051/medsci/20163210009. Epub 2016 Oct 19. PMID: 27758740. **IF-2016: 2.33**
20. Levasseur A#, **Bekliz M**#, Chabrière E, Pontarotti P, La Scola B, Raoult D. MIMIVIRE is a defence system in mimivirus that confers resistance to virophage. *NATURE*. 2016 Mar 10;531(7593):249-52. doi: 10.1038/nature17146. Epub 2016 Feb 29. PMID: 26934229. **IF-2016: 40.137**
21. **Bekliz M**, Verneau J, Benamar S, Raoult D, La Scola B, Colson P. A New Zamilon-like Virophage Partial Genome Assembled from a Bioreactor Metagenome. *FRONT IN MICROBIOL*. 2015 Nov 27;6:1308. doi: 10.3389/fmicb.2015.01308. PMID: 26640459; PMCID: PMC4661282. **IF-2015: 4.076**
22. Pagnier I, Reteno DG, Saadi H, Boughalmi M, Gaia M, Slimani M, Ngounga T, **Bekliz M**, Colson P, Raoult D, La Scola B. A decade of improvements in Mimiviridae and Marseilleviridae isolation from amoeba. *INTERVIROLOGY*. 2013;56(6):354-63. doi: 10.1159/000354556. Epub 2013 Oct 17. PMID: 24157882. **IF-2013: 2.294**

#### Pre-prints

1. **M Bekliz**, M Essaidi-Laziosi, K Adea, K Hosszu-Fellous, Kaiser L, Meyer B, Eckerle I. Immune escape and replicative capacity of Omicron lineages BA.1, BA.2, BA.5.1, BQ.1, XBB.1.5, EG.5.1 and JN.1.1. *BioRxiv*. doi.org/10.1101/2024.02.14.579654 <https://www.biorxiv.org/content/10.1101/2024.02.14.579654v1>
2. Marie-Benoite Cohen, Manel Essaidi-Laziosi, catia alvarez, Michal Yaron, Pascale satonnet-roche, Melanie cornut, Christine Wuillemin, **Meriem Bekliz** et al. SARS-CoV-2 Delta and Omicron Variants alter Trophoblast Cell Fusion and Syncytiotrophoblast Dynamics: New Insights into Placental Vulnerability, 21 April 2025, *PrePrint* (Version 1) available at Research Square <https://doi.org/10.21203/rs.3.rs-6246871/v1>

#### Reviews

3. Rolland C, Andreani J, Louazani AC, Aherfi S, Francis R, Rodrigues R, Silva LS, Sahmi D, Mougari S, Chelkha N, **Bekliz M**, Silva L, Assis F, Dornas F, Khalil JYB, Pagnier I, Desnues C, Levasseur A, Colson P, Abrahão J, La Scola B. Discovery and Further Studies on Giant Viruses at the IHU Mediterranean Infection That Modified the Perception of the Virophere. *VIRUSES*. 2019; 30;11(4). Review. **IF-2019: 3.91**
4. **Bekliz M**, Colson P, La Scola B. The Expanding Family of Virophages. *VIRUSES*. 2016 Nov 23;8(11):317. doi: 10.3390/v8110317. PMID: 27886075; PMCID: PMC5127031. Review. **IF-2016: 3.78**

#### LANGUAGES

French	Native
English	Fluent written and spoken
German	Beginner

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## INTERESTS

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Travelling, cooking, sport and all small microbes (viruses)