***Curriculum Vitae***

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| **Identité / Personal details** |
| Nom et prénom / Name and first name: | BELOIN Christophe |
| Identifiant chercheur: | ORCID 0000-0002-0344-3443; ResearcherID: F-9284-2012 ; Loop profile: 379358 |
| Page web / Webpage : | https://research.pasteur.fr/en/team/group-christophe-beloin/ |
| **Position actuelle / Current position[[1]](#footnote-1)** |
| Organisme(s) privé(s) français / French private organisation(s) |
| Siret | Etablissement / Organisation | Direction service / Department unit | Code postal / Postal code | Ville /Town |
| 775684897 | Institut Pasteur | Génétique des Biofilms | 75015 | Paris |
| Titre / Function |
| Since 2014, Associate Professor (Directeur de Recherche Institut Pasteur). |
| Autres activités / Other activities |
| ***Executive board:*** - Research: since 2015, Group leader (3 to 7 people) in the Genetics of Biofilms laboratory directed by Prof. Jean-Marc Ghigo.- Teaching: 2011-2014 Responsible for practical courses, then since 20143 Director of the Microbiology Course, Institut Pasteur Paris.***Research supervision:*** - 23 undergrads students.- 3 PhD students as Thesis Director + 3 ongoing (Yankel Chekli that entered his 4th year in Oct 2021; Kyrie Grasekamp PPU Pasteur that entered her 3rd year in Oct 2021; Louis Dorison that started in Oct 2021), and 7 PhD students co-supervision.- 14 Post-Docs on multiple projects and 4 research engineers.- 14 PhD tutorships and 30 Thesis committees.***Reviewing/Expertises:***- Editorial activity: 2012-2021, Academic Editor for PloS One; since June 2018, Review Editor in Molecular Bacterial Pathogenesis section of Frontiers in Cellular and Infection Microbiology; since February 2019, Academic Editor for Biofilm (Elsevier) since September 2020 Specialty Chief Editor “Biofilm” section of Frontiers in Cellular and Infection Microbiology.- Reviewer for Grant Applications for more that 20 agencies including *Medical Research Council MRC UK*, *FWO Research Foundation Flanders*, *US Army Research Office*, *Health Research Board (HRB) Ireland, FCT Portugal, Netherlands Organisation for Scientifc Research (NWO)*, *French Agency for Research (ANR), ANSES, Vaincre la mucoviscidose*, *French National Center for Research (CNRS), Romanian Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI), European Science Foundation, National Center of Science and Technology Evaluation (NCSTE) Kazakhstan,* *Israel Ministry of Science-Technology-Space, RGC Hong-Kong, FRQ Québec/FNRS Belgium*, *Israel Science Foundation, Austrian Science Fund, National Research Foundation South-Africa*.*-* Reviewer for more than 20 peer-review journals including *Lancet Infectious Diseases, Science Advances, Nature Communications, PloS Pathogens*, *ISME journal*, *Npj Biofilms&Microbiome, Molecular Microbiology*, *Journal of Bacteriology*, *Environmental Microbiology*, *Scientific Reports* or *Antimicrobial Agents and Chemotherapy*.***Administrative responsibilities/Board:***- since 2006: Representative Senior Researcher, Scientific Animation committee, and Board Member of the Microbiology Department, Institut Pasteur, Paris- since 2014: Member of the Assembly (A100) of the Institut Pasteur. |
| **Positions antérieures / Previous positions** |
| Début / Start date | Fin / End date | Ville / Town | Etablissement / Organisation | Fonction / Function |
| Dec 2003 | Dec 2013 | Paris/France | Institut Pasteur | Assistant Professor |
| Since Jan 2014 | - | Paris/France | Institut Pasteur | Director Microbiology Course |
| Since Jan 2015 | - | Paris/France | Institut Pasteur | Group Leader |
| **Formation supérieure / Education[[2]](#footnote-2)** |
| - 1994-1998: PhD student, “Histone-like proteins in *B. subtilis*”, Institut de Génétique et Microbiologie, University Paris XI, Laboratory "Structure and Expression of Bacterial Genomes", Dr. F. Le Hégarat.- 1995-1997: Teaching assistant (Moniteur) University Paris VII. Demonstrator in Genetics Practical courses.- 1998-2001: Post-Doctoral fellow, Genetic regulation of *S. flexneri* virulence, Moyne Institute of Preventive Medicine, Trinity College Dublin, Laboratory "Prokaryotic Gene Regulation", Prof. CJ Dorman.- 2001-2003: Post-Doctoral fellow, Genetic regulation of *E. coli* Bacterial Biofilm, Institut Pasteur Paris, Laboratory "Genetic of Biofilms". Dr. J.M. Ghigo. |
| **Productions scientifiques / Scientific productions** |
| **Projets de recherche, prix, distinctions, bourses, etc. / Grants, prizes, awards, fellowships, etc.** |
| ***Main recent fundings:***- 2017-2019 **PTR Institut Pasteur** – *A multi-disciplinary investigation of the Negativicutes: atypical Firmicutes with LPS-outer membranes that inhibit the human gut*. 60 k€. Partner.- 2017-2020 **French National Research Agency (ANR)** – *Fir-OM:* *Firmicutes with an outer membrane: toward new models to study the diderm/monoderm cell envelope transition.* 183 k€. Partner.- 2018-2021 **FRM Team*.*** *Investigating dynamic evolution of biofilm formation, persister frequency and emergence of antibiotic resistance in Escherichia coli*. 374k€. Co-investigator with JM Ghigo as PI.- 2018-2022 **French National Research Agency (ANR)** – *EvolTolAB*: *Evolution and dynamics of dissemination of Tolerance towards AntiBiotics in biofilms*.320 k€. PI.- 2020-2023 **French National Research Agency (ANR)** – *ADOBE*: *Adhesion Dynamics On the Bacterial Envelope*.181 k€. Partner.- 2022-2024 **French National Research Agency (ANR)** – *OM-LipAsy*: Outer membrane lipid asymmetry in *Veillonella parvula*, an atypical diderm Firmicute.230 k€. PI.- 2022-2024 **2ème appel à projets "Grant Intra Labex" (GIL) du Labex IBEID** – *Methanobrevibacter* and *Veillonella* crosstalk with the intestinal mucosa in the context of health and inflammation. 25 k€. Partner.- 2022 **Master Student Call AMR axis** – *Evolutionary interplay between biofilm formation and antibiotic resistance*. 6 k€. PI.***Honors, distinctions:***- since May 2018: appointed Adjunct Associate Professor in the Department of Obstetrics and Gynecology at the Texas Tech University Health Sciences Center, School of Medicine, USA.- Dec 2021: Prix Zermati, Institut Pasteur-Fondation de France***Scientific production:****\* Conferences/Seminars :*I gave a total of 57 oral presentations including 32 as invited speaker in Institutions or in meetings. Details of the last 5 Invited Conference/Seminar:1. 05 February 2019: Biofilm Technologies: Pathways to product development, Arlington VA (USA). “***Biofilm Tolerance Favors Rapid Emergence of Antibiotic Resistance*”.**
2. 22 March 2019: LCPME, Villers-les-Nancy, France. “*Deciphering the adhesive arsenal of E. coli: from in vitro to potential clinical applications*”.
3. **04 April 2019:** 18th World Congress of the Academy of Human Reproduction, **Dublin, Ireland, «***Novel approaches to combat biofilm related reproductive infections* ».
4. 17 Dec 2021: Necker Hospital, Paris, France. “*Using adaptive laboratory evolution to explore the plasticity of biofilm promoting factors and emergence of antibiotic resistance in biofilms*”.
5. 26 Jan 2022: Université Clermont-Auvergne, France. “*Using adaptive laboratory evolution to explore the plasticity of biofilm promoting factors and emergence of antibiotic resistance in biofilms*”.

*\* Manuscripts/Patents :*- My name is associated with **88 publications**: 70 original research articles, 11 reviews in international journals, 1 review in a national journal (15 first author, 28 corresponding author, 26 last author), 2 international patents and 2 book chapters.* My current **h-index is 39** ISI Web of Knowledge **(total citations 4795** with 55.11 average citations per item (03/03/2022)).
* Most cited article: 536 citations for Lebeaux D, Ghigo JM, **Beloin C\***. Biofilm-related infections: bridging the gap between clinical management and fundamental aspects of recalcitrance toward antibiotics. Microbiology and molecular biology reviews : MMBR. 2014;78(3):510-43.
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1. [↑](#footnote-ref-1)
2. [↑](#footnote-ref-2)