**DARFEUILLE Fabien**

Date of birth: 10/01/1975

Married, 2 children

ARNA laboratory, Université de Bordeaux

INSERM U1212, UMR5320 CNRS

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| **EDUCATION** | |
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| 2013 | **« Habilitation à Diriger des Recherches » (HDR),** University of Bordeaux |
| 2002 | **PhD in Health and Life Sciences,** INSERM U386, University of Bordeaux, France  Mention « très honorable et félicitations du jury » |
| 1998 | **DEA in Health and Life Sciences, University of Bordeaux, mention Bien** |

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| **RESEARCH APPOINTMENTS** | |
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| 2019-  2016-  2006- | **Deputy director of the ARNA Laboratory INSERM U1212, University of Bordeaux**  **Team leader, ARNA Laboratory, INSERM U1212, University of Bordeaux**  **INSERM Research Scientist (CR1)** ARNA Laboratory, INSERM U1212 CNRS UMR 5320 (Lab Head: Dr. JL. Mergny), University of Bordeaux, Bordeaux (France). |
| 2003-2006 | **Postdoctoral researcher** Department of Microbiology – University of Uppsala, Uppsala, Sweden. Advisor: Pr. G. Wagner |
| 1998-2002  1999 | **PhD Student** Modulation Artificielle des Gènes Eucaryotes INSERM U386, University of Bordeaux. Advisors: Dr. C. Di Primo and Dr. JJ. Toulmé  **Visiting Student** at Medical Research Council, Dr. Mike Gait, Cambridge, UK |

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| **34 Publications** | **H factor: 20 (>3000 citations)** |
| **4 Book chapters** | **>20 Plenary lectures** |

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| **5 SELECTED PUBLICATIONS** | |
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| 1: Korkut DN, Alves ID, Vogel A, Chabas S, Sharma CM, Martinez D, Loquet A, Salgado GF, **Darfeuille F**. Structural insights into the AapA1 toxin of Helicobacter pylori. *Biochim Biophys Acta Gen Subj.* **2019**, 129423. doi:0.1016/j.bbagen.2019.129423.  2: Masachis S, Tourasse NJ, Lays C, Faucher M, Chabas S, Iost I, **Darfeuille F**. A genetic selection reveals functional metastable structures embedded in a toxin-encoding mRNA. *Elife*. **2019,** 8. pii: e47549. doi: 10.7554/eLife.47549.  3: Arnion H, Korkut DN, Masachis Gelo S, Chabas S, Reignier J, Iost I, **Darfeuille F**. Mechanistic insights into type I toxin antitoxin systems in Helicobacter pylori: the importance of mRNA folding in controlling toxin expression. *Nucleic Acids Res*. **2017,** 45(8):4782-4795.  4: Sharma CM, Hoffmann S, **Darfeuille F**, Reignier J, Findeiss S, Sittka A, Chabas S, Reiche K, Hackermüller J, Reinhardt R, Stadler PF, Vogel J. The primary transcriptome of the major human pathogen Helicobacter pylori. *Nature*. **2010**, 464, 250-5. Citations > 1000  5: **Darfeuille F**, Unoson C, Vogel J, Wagner EG. An antisense RNA inhibits translation by competing with standby ribosomes. *Mol Cell*. **2007**, 26, 381-92.  **FELLOWSHIPS** | |
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| 2003 | * Marie Curie IntraEuropean Fellowship (3 years) |
| 1999 | * ANRS fellowship (3 years) |