

ELISABETH MENU
(October 2022)

Position title

PhD, Associate professor (DR2) INSERM, team leader IP

Education/Training

| INSTITUTION AND LOCATION | DEGREE | YEAR(s) | FIELD OF STUDY |
|---------------------------------|-------------------------|---------|-------------------------|
| Paris Academy, France | Baccalaureate | 1981 | Sciences |
| University of Paris 6, France | Master degree | 1986 | Biology |
| Institut Pasteur, Paris, France | Certificate | 1988 | Immunology |
| University of Paris 6, France | Ph.D. | 1990 | Reproductive Immunology |
| University of Paris 6, France | Post-Ph.D. degree (HDR) | 1998 | Virology |

Positions and Employment

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|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1987-1990: | Ph.D Student, INSERM U162, Paris France |
| 1990: | Scientific visitor at the National Institute of Immunology, New Dehli, India. |
| 1991-1993: | Post-doctoral fellow at the Dana Farber Cancer Institute/Harvard Medical School, Pediatric Oncology Department, Boston, USA. |
| 1994-1998: | Post-doctoral fellow at the INSERM U131, Hôpital A. Bécélère, Clamart, France and at the Biology of Retrovirus Unit, Institut Pasteur, Paris, France. |
| 1998-2004: | Assistant Professor class I-INSERM- INSERM U131, Clamart, France and Institut Pasteur, Retrovirus Biology Unit, Paris, France. |
| 2004-2010: | Assistant Professor class I-INSERM- Institut Pasteur, Regulation of Retroviral Infections Unit (ex Retrovirus Biology Unit), Paris, France |
| 2010-2014: | Associate Professor (DR2)-INSERM- Institut Pasteur, Regulation of Retroviral Infection Unit, Paris |
| 2015-until now: | Group leader-Institut Pasteur |
| 2015-until now: | Associate Professor (DR2)-INSERM- ImVA-HB, CEA, Paris Sud University, INSERM U1184 |

Other Experience and Professional Memberships

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|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1994-1999: | Member of the European network (BIOMED2) on the "study of <i>in utero</i> transmission of HIV-1" |
| 1996-1998: | Member of the ANRS Concerted Action n°11 : "HIV-1 variability survey" |
| 1996-1998: | Member of the Pasteur Institute Concerted Action (ACIP) on preferential transmission of HIV-1 subtypes |
| 1999 until now: | Referee for International Journals (AIDS Research and Human Retroviruses, Clinical Experimental Immunology, Journal of Infectious Diseases, J.AIDS, Acta Paediatrica, Placenta, Retrovirology, Journal of Virology, PloSONe...) |
| 2000-2005: | Member of the ALPS ADRIA Society for Immunology of Reproduction |
| 2002-2006: | Member of the ANRS working group "Alternative techniques in Virology" |
| 2002-2009: | Member of the ANRS working group « Determinants of HIV-1 MTCT by breastfeeding » |
| 2002-2003: | Co-organizer of the first international workshop on HIV PMTCT, Kasane, Botswana |
| 2003-2005: | Co-coordinator of an International Network of Integrated Research on HIV-1 PMTCT |
| 2003-2005: | Member of the editorial board of the American Journal for Reproductive Immunology |
| 2004-2006: | Co-organizer of the annual Virology department meeting, Institut Pasteur, Paris |
| 2004-2006: | Correspondent for the Virology department to the International Affair direction, Institut Pasteur, Paris |
| 2005-2010: | Member of the ANRS scientific committee n°6 "Research in Developing countries". |
| 2005 until now: | Jury member for PhD thesis and HDR |
| 2006-2018: | Member of the ANRS concerted action n°31 "Innate immune responses" |
| 2006-2010: | Member of the Local Organizing Committee of the Dominique Dormont International Conference |
| 2007: | Chair of the Dominique Dormont International Conference 2007 |
| 2007-2010: | Member of the International Society for Immunology of Reproduction |
| 2007-2014: | Member of the ANRS working group "Mother and Child-North/South" (AC12) |
| 2007-2012: | Member of the Jury "HIV/AIDS Medical Research" of the Fondation de France |
| 2007-2016: | Member of the Clinical Research Committee (CoRC), Institut Pasteur |
| 2009: | Expert for the Appel d'offre Emergences Pierre et Marie Curie University, Paris |
| 2010-2014: | Member of the Evaluation Committee of the scientific activities of the institute staff, Institut Pasteur |
| 2011: | Member of the Jury for MCF position, Rennes I University |
| 2011: | Member of the organizing committee for the international UNICEF conference on HIV-1 MTCT elimination |
| 2011-2017: | Member of the Data Safety Monitoring Board of the MONOD ANRS 12206 trial |

2011-2018: Member of the Vaccine Research Institute
2013: Expert for PhD fellowship attribution for the AIRD
2013-2014: President of the AERES committee for the evaluation of the CRIC, Montpellier
2014: Reviewer for a special supplement of « Journal of Infectious Diseases » on Cell-associated HIV transmission across mucosal surfaces”.
2016-2022: Member of the scientific committee of the ICAReB platform, Institut Pasteur
2018-until now: Co-founder and member of FEMIN (Female European Mucosal Immunology Network)
2020 until now: Scientific integrity correspondent for the Institut François Jacob (DRF/CEA)
2021: Member of the HCERES committee for the evaluation of the IRSET, Rennes
2022-2026: Member of the specialised scientific committee n°5 (CSS5) INSERM

Research management and supervision

1999 until now: Thesis director or co-director of 7 PhD students, scientific supervisor or co-supervisor of 9 post-doctorant fellows, 3 Master students, 3 engineers and 2 technicians
2000-2015: Team leader in the Regulation of Retroviral Infections Unit, Institut Pasteur, Paris
2001 until now: Principal investigator of 21 scientific projects (ANRS, Sidaction, Labex VRI, ANR, CFR/CEA)
2015 until now: Group leader in team LIT, MISTIC group, ImVA, CEA, Paris Sud University, INSERM U1184
2015 until now: Group leader Institut Pasteur
2020 until now: Deputy director of team LIT, ImVA-HB, CEA, Paris Sud University, INSERM U1184

Teaching and training activities Scientific production

1988 until now: Contributions to instruction and training of more than 35 students, researchers and technicians
1996 until now: Courses to students in molecular biology, virology, human beings and applies ethics

Scientific production

1988 until now: 69 scientific papers published in peer-review International Journals
68 articles published in Scientific books, journals or reviews
More than 190 abstracts presented in International Scientific Meetings
1999 until now: More than 50 oral presentations as invited speaker to international conferences or seminars

Selected publications in the last 5 years

-Marlin R, Nugeyre MT, Tchitchek N, Parenti M, Hocini H, Benjelloun F, Cannou C, Dereuddre-Bosquet N, Levy Y, Barré-Sinoussi F, Scarlatti G, Le Grand R, Menu E. Modified Vaccinia Virus Ankara Vector Induces Specific Cellular and Humoral Responses in the Female Reproductive Tract, the Main HIV Portal of Entry. **J Immunol.** 2017 ; 199(5):1923-1932. doi: 10.4049/jimmunol.1700320. Epub 2017 Jul 31.
-Marlin R, Nugeyre MT, Tchitchek N, Parenti M, Lefebvre C, Hocini H, Benjelloun F, Cannou C, Nozza S, Dereuddre-Bosquet N, Levy Y, Barré-Sinoussi F, Scarlatti G, Le Grand R, Menu E. Seminal plasma exposures strengthen vaccine responses in the female reproductive tract mucosae. **Frontiers in Immunology.** 2019; 10:430. doi: 10.3389/fimmu.2019.00430. eCollection 2019.
-M-T Nugeyre, N Tchitchek, C Adapen, C Cannou, V Contreras, F Benjelloun, J Ravel, R Le Grand, R Marlin, and E Menu. Dynamics of Vaginal and Rectal Microbiota over Several Menstrual Cycles in Female Cynomolgus Macaques. **Frontiers in cellular and infection microbiology.** 2019; 9:188. doi: 10.3389/fcimb.2019.00188. eCollection 2019.
-F. Benjelloun, H. Quillay, C. Cannou, R. Marlin, Y. Madec, H. Fernandez, F. Chrétien, R. Le Grand, F. Barré-Sinoussi, M-T. Nugeyre, E. Menu. Activation of Toll-Like Receptors differentially modulates inflammation in the human reproductive tract: preliminary findings. **Frontiers Immunology.** 2020; 11:1655. doi: 10.3389/fimmu.2020.01655
- N. Nunez, L. Réot and E. Menu. Neonatal immune system ontogeny: The role of maternal microbiota and associated factors. How might the Non-Human Primate Model enlighten the path? **Vaccines.** 2021, 9, 584. <https://doi.org/10.3390/vaccines9060584>
-Adapen C, Réot L, Nunez N, Cannou C, Marlin R, Lemaître J, d'Agata L, Gilson E, Ginoux E, Le Grand R, Nugeyre M-T and Menu E. Local Innate Markers and Vaginal Microbiota Composition Are Influenced by Hormonal Cycle Phases. **Front. Immunol.** 13:841723. doi: 10.3389/fimmu.2022.841723.
-C-M. Fovet, C. Pimienta, M. Galhaut, F. Relouzat, N. Nunez, M. Cavarelli, Q. Sconosciuti, N. Dhooge, I. Marzinotto, V. Lampasona, M. Tolazzi, G. Scarlatti, R. Ho Tsong Fang, T. Naninck, N. Dereuddre-Bosquet, J. van Wassenhove, A-S. Gallouët, P. Maisonnasse, R. Le Grand, E. Menu and N. Seddiki. A case study to dissect immunity to SARS-CoV-2 in a neonate non-human primate model. **Frontiers in Immunology.** 2022. 13:855230. doi: 10.3389/fimmu.2022.855230.