

BIOGRAPHICAL SKETCH

NAME – FIRST NAME	CURRENT POSITION
Olivier Schwartz	Head of the Virus & Immunity Unit, Institut Pasteur

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Université Paris V		1985	Pharmacist
Université Paris VII	Ph.D.	1993	Virology
Institut Pasteur	Professor	2009	Virology

Research Experience & Appointments

- 1985-1986: Intern in Virology and Biochemistry. Hôpital Kremlin Bicêtre, Hôpital Sainte Anne, Paris.
1986-1987: Centre de Recherches du Service de Santé des Armées, Clamart, (D. Dormont).
1987-1989: Intern-Scientist, Institut Pasteur, Unité d'Oncologie Virale (L. Montagnier).
Study of anti-HIV-1 compounds.
1989-1995: Pre and post doctoral research fellow. Institut Pasteur. (O. Danos - J.M. Heard).
Study of the HIV-1 Nef protein.
1995-2000: Staff scientist, Unité Rétrovirus et Transfert Génétique. (J.M. Heard).
2001: Chef de laboratoire (Associate Professor) Institut Pasteur (Unité RTG, J.M. Heard).
2002: Head of the « Virus and Immunity Group » Institut Pasteur
2009: Professor, Head of the « Virus and Immunity Unit» Institut Pasteur

Other Experience and Professional Memberships

- 1991-1994: Journalist at "Le Journal du SIDA (AIDS Journal) ", edited by the association ARCAT-SIDA.
1997-2003: Member of the scientific committee of ANRS (National AIDS Research Agency)
1998-now: In charge of the organisation of seminars, Department of Virology, Institut Pasteur
2001-now: Member of the scientific committee of SIDACTION
2006-now: Member of the Scientific Council of Institut Pasteur
Coordinator of an European network of Research (FP6) : « Identifying novel HIV targets » 2005-2006
Coordinator of an ANR Grant: « Chikungunya Host-Path» 2005-2006
GRANTS : numerous grants from EEC, ANRS, Sidaction

Honors /Awards

- 1995: Award of FRM: Prix Recherche sur le SIDA
2001: Award of Fondation de France: Prix Georges Zermati
2008: Award of Institut Pasteur: Prix Pasteur-Valery Radot
2008: Elected member of the EMBO

Main Recent publications

Esnault C, Heidmann O, Delebecque F, Dewannieux M, Ribet D, Hance AJ, Heidmann T, Schwartz O.
(2005) APOBEC3G cytidine deaminase inhibits retrotransposition of endogenous retroviruses.

Nature;433:430-433

Thoulouze, M. I., Sol-Foulon, N., Blanchet, F., Dautry-Varsat, A., Schwartz, O., and Alcover, A. (2006).
Human Immunodeficiency Virus Type-1 Infection Impairs the Formation of the Immunological Synapse.
Immunity 24, 547-561.

- Moris, A., Pajot, A., Blanchet, F., Guivel-Benhassine, F., Salcedo, M., and Schwartz, O. (2006). Dendritic cells and HIV-specific CD4+ T cells: HIV antigen presentation, T cell activation, viral transfer. **Blood**, 108(5):1643-51.
- Sol-Foulon, N., Sourisseau, M., Porrot, F., Thoulouze, M.I., Trouillet, C., Nobile, C., Blanchet, F., di Bartolo, V., Noraz, N., Taylor, N., Alcover, A., Hivroz, C. and Schwartz, O. (2007) ZAP-70 kinase regulates HIV cell-to-cell spread and virological synapse formation. **EMBO J**, 26, 516-526.
- Fackler, O., Alcover, A. and Schwartz, O. (2007) Modulation of the immunological synapse : a key to HIV-1 pathogenesis ? **Nature Review Immunology**, 7, 310-7.
- Schwartz, O. (2007) News & Views: Langerhans cells lap up HIV. **Nature Medicine** 13, 245-6.
- Sourisseau, M., C. Schilte, N. Casartelli, C. Trouillet, F. Guivel-Benhassine, D. Rudnicka, N. Sol-Foulon, K. L. Roux, M. C. Prevost, H. Fsihi, M. P. Frenkiel, F. Blanchet, P. V. Afonso, P. E. Ceccaldi, S. Ozden, A. Gessain, I. Schuffenecker, B. Verhasselt, A. Zamborlini, A. Saib, F. A. Rey, F. Arenzana-Seisdedos, P. Despres, A. Michault, M. L. Albert, and O. Schwartz. (2007). Characterization of Reemerging Chikungunya Virus. **PLoS Pathog** 3:e89.
- Hodges, A., Sharrocks, K., Edelmann, M., Baban, D., Moris, A., Schwartz, O., Drakesmith, H., Davies, K., Kessler, B., McMichael, A. and A. Simmons. (2007). Activation of the lectin DC-SIGN induces an immature dendritic cell phenotype triggering Rho-GTPase activity required for HIV-1 replication. **Nature Immunology** 8, 569-77.
- Jouve, M., N. Sol-Foulon, S. Watson, O. Schwartz, and P. Benaroch.(2007). HIV-1 Buds and Accumulates in "Nonacidic" Endosomes of Macrophages. **Cell Host and Microbe** 2:85-95
- Hoeffel, G., A. C. Ripoche, D. Matheoud, M. Nascimbeni, N. Escriou, P. Lebon, F. Heshmati, J. G. Guillet, M. Gannagé, S. Caillat-Zucman, N. Casartelli, O. Schwartz, H. De la Salle, D. Hanau, A. Hosmalin, and C. Maranon. (2007). Antigen Crosspresentation by Human Plasmacytoid Dendritic Cells. **Immunity** 27:1-12.