Abridged CV updated May 2020

Michel Tibayrenc, born 3rd June 1947 in Bois-Colombes near Paris, France. Nationality: French. Remarried, 3 children.

Permanent professionnal address:
Maladies Infectieuses et Vecteurs Ecologie, Génétique, Evolution et Contrôle
Infectious Diseases and Vectors, Ecology, Genetics, Evolution and Control
MIVEGEC/IDVEGEC (IRD 224-CNRS 5290-UM1-UM2)
IRD Center, BP 64501, 34394 Montpellier Cedex 5, France
E-mail : michel.tibayrenc@ird.fr
Website : http://www.mivegec.ird.fr/

Universitary titles:

Baccalaureat University of Paris 1965.
Certificate of Exotic pathology Paris Centre hospitalier universitaire Pitié-Salpêtrière Paris 1974
Certificate of Biology and Sport Medicine Paris 1974.
MD (docteur en médecine) University of Paris 1975.
Diploma of Tropical Medicine Montpellier 1976.
Diplôme d'Etudes Approfondies (= Master 2) Parasitology University of Montpellier 1976.
Certificate of Leprology Paris 1977
Diplôme d'Etudes Approfondies (= Master 2) Medical Entomology University of Paris 1978.
PhD (Doctorat d'Etat ès Sciences) Parasitology, University of Paris-Orsay 1986.

Present grade:

Director of research exceptional class, emeritus, IRD (Institut de recherche pour le développement; http://en.ird.fr/).

Positions:

1974-1975: General practitioner SONATRACH, Algiers, Algeria.
1976-1977: General practitioner Assistance publique, Paris.
1977- 1989: Chargé de recherche (a permanent position of researcher) IRD 1989- 1995: Directeur de recherche 2nd Class (director of research) IRD.
1995- 2003: Directeur de recherche 1st Class (director of research) IRD.
2004- June 2012: Directeur de recherche “exceptional class” IRD
ow: Emeritus
From 1988 to 2005: founder and head of the laboratory of Genetics and Evolution of Infectious Diseases (Génétique et Evolution des Maladies Infectieuses-GEMI) at the IRD center in Montpellier, France. Associated unit with the Centre National de la Recherche Scientifique (CNRS) since 1992.
2005-2009: IRD representative in Thailand.

Stays overseas and abroad:

1974-1975: SONATRACH, Algiers, Algeria, as a medical doctor.
1978-1979: a one-year stay at the Pasteur Institute of Cayenne, French Guiana (epidemiology of Leishmaniasis, Population genetics of phlebotomine sandfies).
1980-1984: a 5-year stay at the Instituto Boliviano de Biologia de Altura, La Paz, Bolivia). Epidemiology of Chagas'disease, molecular epidemiology of *Triatoma infestans* and *Trypanosoma cruzi*.
January 1985- July 1986: Dept Genetics, UC Davis, California (Professor F.J. Ayala).
July 1991- August 1992: Dept Ecology & Evolutionary Biology, UC Irvine, California (Professor F.J. Ayala).
August 1995-August 1996: Molecular Vaccine Section, Dept Parasitic Diseases, Centers for Diseases Control (CDC), Atlanta, Georgia, USA (Dr Altaf Lal).

1st October 2005-30th September 2008: IRD representative in Thailand.
1st March 2010-3rd June 2012: Visiting scientist at the IINSAD/Universidad Mayor de San Andrès (La Paz, Bolivia).
1st September 2012- 4th April 2014: visiting scientist at the Dept Ecology and Evolutionary Biology, University of California Irvine (Prof. F.J. Ayala)
1st July-30th September 2017: visiting scientist at the Dept Ecology and Evolutionary Biology, University of California Irvine (Prof. F.J. Ayala)

Organization of scientific meetings:

Organization at the CDC of a monthly seminar on molecular epidemiology, and of the international workshop: "Molecular epidemiology and evolutionary genetics of infectious diseases" (MEEGID), under the auspices of CDC, IRD and CNRS (CDC, Atlanta, June 1996).
MEGID II: Montpellier, France, 1997.
MEEGID III: Rio de Janeiro, Brazil, 1998.
MEEGID IV: Dakar, Senegal, 1999.
MEEGID V: Hyderabad, India, 2000.
MEEGID VI: Paris, 2002.
MEEGID VII: Valencia, Spain, 2004.
MEEGID VIII: Bangkok, Thailand, 30th November-2nd December 2006.
MEEGID IX: University of California at Irvine, 30th October-1st November 2008.
MEEGID X: Amsterdam, the Netherlands, 3rd-5th November 2010.
MEEGID XI: Loyola University, New Orleans, USA, 30th October-2nd November 2012.
MEEGID XII 11th-13th December 2014 in Bangkok (Thailand).
MEEGID XIII Institute of Tropical Medicine, Antwerp, Belgium, 11th-13th May 2016.
MEEGID XIV Sitges (Spain), 6-9 November 2018.
MEEGID XV Tulane University, New Orleans (USA) 3-5 November 2021.

Principal organizer, with Francisco J. Ayala and John Avise, of the National Academy of Sciences Sackler colloquium: "In The Light of Evolution IX. Clonal Reproduction: Alternatives to Sex", University of Irvine, California, 9-10 January 2015.

Editorial activities:

Initiator and editor-in-chief journal: "*Infection, Genetics and Evolution*" (Elsevier; http://www.elsevier.com/locate/meegid). 1st issue published in August 2001. Official Impact factor 2018: 2.545.

Research administration

Elected member scientific board international network of Pasteur Institutes
Elected member IRD scientific commission "Biological and medical sciences" 2001-2004
Elected member IRD Scientific council. Nominated member of the permanent bureau 2005-2008.

Foreign languages

English and Spanish, fluent (5 years spent in the USA, 7 years spent in Bolivia). Thailandese written scholar. Spoken fluent.
German scholar.

Honors

Prize of the Belgian Society of Tropical Medicine (1985).
Elected Fellow, American Association for the Advancement of Science (AAAS) (1993).
Medal Instituto Oswaldo Cruz Rio de Janeiro (2000)

Scientific societies

Member and elected fellow, American Association for the Advancement of Science (AAAS).

Founder and scientific advisor of the Bolivian Society for Human Genetics (Sociedad Boliviana de Genética Humana; SoBoGenH; http://www.colloque.ird.fr/sobogenh/)

Scientific production:

Medline: 217 referenced papers; SCOPUS: 248 referenced papers; 35 book chapters. 5 edited books (Tibayrenc, M. Encyclopedia of Infectious diseases- Modern methodologies; Wiley & Sons, New York, 2007; Telleria, M. and Tibayrenc, M. 2010. American trypanosomiasis: Chagas disease. One hundred years of research. Elsevier Insights; reedit. 2016; Tibayrenc, M. 2010. Genetics and Evolution of Infectious Diseases; reedit. 2016). Tibayrenc, M. & Ayala, F.J. On Human Nature, Academic Press, 2016). Tibayrenc, M. & Ayala, F.J. What makes us Humans. Nova Science publishers, New York: 2020).
Scholargoogle: 8,400 hits; H-Index: 47.

10 main publications:

Tibayrenc, M., Ward, P., Moya, A. & Ayala, F.J. 1986. Natural populations of *Trypanosoma cruzi*, the agent of Chagas'disease, have a complex multiclonal structure. *Proc. Nat. Acad. Sci. USA*. 83: 115-119.

Tibayrenc, M., Kjellberg, F. & Ayala, F.J. 1990. A clonal theory of parasitic protozoa: the population structure of *Entamoeba, Giardia, Leishmania, Naegleria, Plasmodium, Trichomonas and Trypanosoma* , and its medical and taxonomical consequences. *Proc. Nat. Acad. Sci. USA* : 87: 2414-2418.

Tibayrenc, M., Kjellberg, F., Arnaud, J., Oury, B., Brenière, S.F., Dardé, M.L. & Ayala, F.J. 1991. Are eucaryotic microorganisms clonal or sexual? A population genetics vantage. *Proc. Natl. Acad. Sci. USA*: 88: 5129-5133.

Tibayrenc, M., Neubauer, K., Barnabé, C., Guerrini, F. , Sarkeski, D. & Ayala, F.J. 1993. Genetic characterization of six parasitic protozoa: parity of random-primer DNA typing and multilocus isoenzyme electrophoresis. *Proc. Natl. Acad. Sci. USA*, 90: 1335-1339.

Urdaneta, L. , Lal, A., Barnabé, C., Oury, B., Goldman, I., Ayala, F. J. & Tibayrenc, M. 2001. Evidence for clonal propagation in natural isolates of *Plasmodium falciparum* from Venezuela. *Proc. Nat. Acad. Sci. USA* 98: 625-6729.

Tibayrenc, M. 2007. Human genetic diversity and epidemiology of parasitic and other transmissible diseases. *Adv. Parasitol.* 64: 378-428.

Tibayrenc, M. & Ayala, F.J. 2012. Reproductive clonality of pathogens: A perspective on pathogenic viruses, bacteria, fungi, and parasitic protozoa *Proc. Nat. Acad. Sci.* USA 109 (48): E3305-E3313.

Tibayrenc, M. & Ayala, F.J. 2014. *Cryptosporidium*, *Giardia*, *Cryptococcus*, *Pneumocystis* genetic variability: cryptic biological species or clonal near-clades? *Plos Pathogens* 10(4): e1003908. doi:10.1371/journal.ppat. 1003908

Tibayrenc, M. & Ayala, F.J. 2017. Is predominant clonal evolution a common evolutionary adaptation to parasitisms in parasitic protozoa, fungi, bacteria and viruses? *Adv. Parasitol*. 96: 243-325

Tibayrenc, M. 2019. Science and politics should be mutually sanctuarized. *Am. J. Human Genet*. 104: 774-775.