

## **CURRICULUM VITAE**

### **Jean-Pierre, Georges CHANGEUX**

Born April 6, 1936, in Domont (Val d'Oise) France ; Citizenship : French ; Married, one child. Thomas

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#### **1) Academic training**

Ecole Normale Supérieure (rue d'Ulm, Paris) (1955) and Licence de Sciences Naturelles (1956, 1957) at Paris University. Diplôme d'Etudes Supérieures (Mention Très Bien et Félicitations du Jury) (1958). Agrégé des Sciences Naturelles (received first) (1958). Doctorat d'Etat de Sciences Naturelles, Paris (Mention Très Honorable et Félicitations du Jury), under the supervision of Pr. Jacques Monod, Institut Pasteur (1964).

#### **2) Academic positions**

Agrégé-préparateur of Zoology, Ecole Normale Supérieure, 1958 ; Postdoctoral fellow, University of California, Berkeley, 1965-1966 (with J Gerhart & H Schachman); visiting Assistant Professor Columbia University College of Physicians & Surgeons, New-York (with D Nachmansohn), 1966-1967 ; Sous-Directeur, Collège de France, Paris (Chaire de Biologie Moléculaire), 1967 ; Director of the Unit of Molecular Neurobiology, Institut Pasteur, Paris, 1972-2006 ; Professor Collège de France & Institut Pasteur, 1975-2006, emeritus since 2007 ; Skaggs distinguished visiting professor in Pharmacology, University of California San Diego 2008-2012 (with P Taylor) ; International Faculty, Kavli Institute for Brain & Mind, University of California San Diego 2012-2022 (with R Greenspan).

#### **3) Scientific prizes and awards (selected list)**

Prix Alexandre Joannidès, Académie des Sciences, Paris, 1977.

Gairdner Foundation International Award, Toronto, Canada, 1978.

Richard Lounsbery Prize, National Academy of Sciences, Washington (USA) and Académie des Sciences, Paris, 1983.

Wolf Foundation Prize in Medicine. Jerusalem, Israel, 1983.

Rita Levi-Montalcini Award, Fidia Research Foundation, Washington, 1988.

Carl-Gustaf Bernhard medal, Swedish Royal Academy of Sciences, Stockholm, 1991.

International Prize Amedeo e Frances Herlitzka for Physiological Sciences, Torino, 1992.

Médaille d'Or, Centre National de la Recherche Scientifique, Paris, 1992.

Louis Jeantet Prize for Medicine, for « *his work in structural biology* », Geneva, 1993.

Goodman and Gilman Award in drug receptor pharmacology, ASPET Anaheim, California, 1994.

Camillo Golgi medal, Accademia Nazionale dei Lincei, Rome 1994.

Sir Hans Krebs medal, FEBS, Helsinki, 1994; Max-Delbrück medal, in Molecular Medicine, Berlin, 1996.

Grand Prix de la Fondation pour la Recherche Médicale, Paris, 1997 ;

Emanuel Merck prize in Chemistry, Darmstadt, RFA, 1998.

Linus Pauling medal, 1998/1999, Stanford, USA.

Balzan Prize for Cognitive Neuroscience. Berne, 2001.

American Philosophical Society's Karl Spencer Lashley Award in neuroscience, Philadelphia, 2002.

Lewis Thomas Prize for Writing about Science, Rockefeller University, New-York, 2005.

National Academy of Sciences Award in the Neurosciences, Washington, 2007 .

International College of Neuro-Psycho-Pharmacology Pioneer Award, for the fundamental discoveries concerning « *The structure and function of the nicotinic acetylcholine receptor*», Munchen, 2008.

Passarow award Los Angeles, 2010.

Japanese Society for the Promotion of Science Award for Eminent Scientists, Tokyo, 2012.

Italian Society for Neuroethics Award Medal, Padova, 2015.

The Olav Thon international research award in biomedicine, Oslo, Norway, 2016.

Albert Einstein World Award of Science, Hong Kong, 2018.

Goldman-Rakic Prize, New-York, 2018

#### **4) Academies & Honorary degrees**

Deutsche Akademie der Naturforscher Leopoldina zu Halle (Pharmacology), 1974 ; Académie de Médecine de Turin, 1976 ; National Academy of Sciences, Washington (USA) (foreign associate), 1983 ; Royal Academy of Sciences, Stockholm, (Sweden) (foreign member), 1985 ; Académie des Sciences, Paris, 1988 ; Académie Royale de Médecine de Belgique (Bruxelles) (foreign honorary member), 1988 ; Academia Europaea (founding member), 1988 ; American Academy of Arts and Sciences, Boston, (USA) (foreign member), 1994 ; Romanian Academy of Medical Sciences, Bucarest (foreign member), 1996 ; Institute of Medicine of the National Academies, Washington, (USA) (foreign associate), 2000 ; Istituto Veneto di Scienze, Lettere Ed Arti, Venezia (Italy), 2001 ; Hungarian Academy of Sciences, Budapest (foreign member associate), 2004 ; European Academy of Sciences, Bruxelles (member), 2004 ; Académie Royale des Sciences, des Lettres & des Beaux-Arts de Belgique (foreign member), 2010; Accademia Nazionale dei Lincei, Rome, (Italy) (foreign member) , 2010.

Doctor honoris causa : Universities of Torino, Italy, 1989 ; Dundee, Scotland, 1992 ; Geneva, Switzerland, 1994 ; Stockholm, Sweden, 1994 ; Liège, Belgium, 1996 ; Ecole Polytechnique Fédérale of Lausanne, Switzerland, 1996 ; University of Southern California, Los Angeles, USA, 1997 ; Bath, UK, 1997 ; Montréal, Canada, 2000 ; The Hebrew University of Jerusalem, Israel, 2004 ; Ohio State University, Columbus, USA, 2007 ; Buenos Aires, Argentina, 2010 ; *Professeur honoris causa* HEC Paris 2011; Ottawa, Canada, 2014; University of Chile, Santiago, Chile, 2016; Weizmann Institute, Rehovoth, Israel, 2016; Monash University, Melbourne, Australia 2017.

#### **5) Distinguished honors**

Grand-Croix dans l'Ordre National de la Légion d'Honneur, 2011; Grand-Croix dans l'Ordre National du Mérite 1995 ; Commandeur dans l'Ordre des Arts et des Lettres, 1994 ; Commandeur des Palmes Académiques.

#### **6) Administrative and scientific responsibilities**

*Président de l'Action Concertée "Dynamique du Neurone" (DGRST), 1977-1983 ; Membre de la Commission 22 du Centre National de la Recherche Scientifique (CNRS), "Interactions Cellulaires", 1980-1982 ; Vice-Président du Conseil Scientifique de la Fondation Fyssen, 1979-2000 ; Président du Conseil Scientifique de l'INSERM, 1983-1987 ; Member Board of Scientific Directors of The Scripps Research Institute La Jolla, USA since 1987 ; Président de la Commission Inter-ministérielle pour la Conservation du Patrimoine Artistique National, 1989-2012 ; Président de l'Action Concertée "Sciences de la Cognition" du Ministère de la Recherche Scientifique, 1988-1992 ; Membre du Conseil Scientifique de "Human Frontiers Science Program", 1990-1992 ; Président du Comité Consultatif National d'Ethique pour les Sciences de la Vie et de la Santé, 1992-1998 ; Directeur du Département de Neurosciences Institut Pasteur, 2002-2006 ; Président du Comité de Vigilance Ethique de l'Institut Pasteur, 2007-2012 ; Member of the Kavli prize committee for Neuroscience, 2007-2010; Governor of the Florey Institute for Neuroscience & Mental*

*Health, Melbourne, since 2012- ; European Human Brain Program : Leader (2014-) then deputy-Leader (2016-2018) Ethics & Society division; since 2017, leader of the Co-Design Project “Modelling Drug Discovery”.*

## **7) Training and teaching**

Jean-Pierre Changeux mentored more than 85 students and postdoctoral fellows,

**France :** Stanislas Dehaene (Prof Collège de France, *Brain prize* 2014), Thierry Heidmann (*Silver medal CNRS*), Jérôme Giraudat (*Silver medal CNRS*), Pierre-Jean Corringer (*Silver medal CNRS*), Jacques Mallet, Nicolas LeNovère, Jean-Louis Bessereau, Uwe Maskos, Sylvie Granon, Philippe Faure... **USA:** James Patrick (Prof em Baylor College), Jonathan Cohen (Prof Harvard U), Henry Lester (Prof CalTech), Richard Olsen (Prof UCLA), Christopher Henderson (ex-Prof Columbia U), Marina Picciotto (Prof & Chair Yale U), Gerald Hazelbauer (Prof & Chair U of Missouri) ... **Canada:** Naguib Mechawar (Prof McGill U), Bernard Jasmin (Prof Ottawa U). **Japan:** Katsuhiko Mikoshiba (Prof Tokyo U & Riken I) ... **Israel:** Vivian Teichberg (deceased) (Prof Weizmann I) **Germany:** Heinrich Betz (Prof Max-Planck Frankfurt U), Hans Grunhagen (Executive vice-president Evotec Biosystem AG, Hamburg) in Germany.

## **8) Statistics:**

Number of papers: 675

Sum of the Times Cited: 94 694

h-index: 153