

CURRICULUM VITAE

Fotis C. Kafatos

Personal Data:

Born in Crete, Greece, April 16, 1940
Dual Greek and US citizen (naturalised November 1973)
Married, two daughters

Education:

- Primary and secondary education in Crete (Lyceum "Korais")
- AB Cornell University (High Honours), Zoology, 1961
- MA Harvard University, Biology, 1962
- PhD Harvard University, Biology, 1965

Honours:

Academies:

- Member, European Molecular Biology Organisation (elected 1977)
- Fellow, American Academy of Arts and Sciences (elected 1980)
- Member, National Academy of Sciences, USA (elected 1982)
- Member, Academia Europaea (elected 1991)
- Foreign Member of the French Academy of Sciences, 2002
- Member, Pontifical Academy of Sciences, 2003
- Foreign Member of the Royal Society of London, 2003
- Member, European Academy of Sciences and Arts, 2007
- Fellow, Society of Biology, 2011

Medals/Prizes:

- G.J. Mendel Honorary Gold Medal for Merit in the Biological Sciences, Academy of Sciences of the Czech Republic, 1995
- Honorary Medal for Distinction in Biology, Academy of Athens, 2000
- Medal "Taxiarchis of Phoenix", awarded by the President of the Hellenic Republic, for major contributions to science, culture and society, 2003
- "Bundesverdienstkreuz 1. Klasse", awarded by the President of the Federal Republic of Germany, 2004
- Medal of Honour, City of Heraklion, Crete, 2004
- Uni-Heidelberg Grosse Universitäts Medal, 2005
- Fondation Louis Jeantet – 25th Anniversary Special Prize, 2008
- Romanian Academy Diploma "Meritul Academic", 2010
- Silver Medal of Hellenic Parliament Foundation, 2010
- Robert-Koch Gold Medal, 2010
- Leibniz Medal, 2011 (ceremony in June 2011)

Doctor honoris causa:

- Agricultural University, Athens, Greece, 1992
- Aristotelian University of Thessaloniki, Greece, 1994
- Université Louis Pasteur, Strasbourg, France, 2002
- Democretian University of Thrace, 2004
- University of Ioannina, 2005
- University of Patras, 2005
- Cyprus University of Technology, 2008
- University of Athens 2009

Honorary (or Visiting) Professorships:

- Overseas Fellow, Churchill College, University of Cambridge, 1993
- Visiting Professor, Department of Biology, Imperial College London, 2000 - 2003
- Honorary Professor, University of Heidelberg, Germany, 2000 – 2005

Academic Appointments (1), major Academic responsibilities (2) and additional Advisory Responsibilities (3):

(1)

- Adjunct Professor of Immunology & Infectious Diseases, Harvard School of Public Health, 2007 – present
- Professor, Chair of Immunogenomics, Imperial College London, 2005 – present
- Director General, European Molecular Biology Laboratory, 1993-2005
- Founder and Director, Institute of Molecular Biology and Biotechnology, Research Centre of Crete, 1982-1993
- Professor of Biology, University of Crete (part-time), 1982-present (on leave)
- Chair, Cellular and Developmental Biology, Harvard University, 1978-1981
- Professor of Biology, University of Athens (part-time), 1972-1982
- Instructor, Embryology Course, MBL (Wood's Hole), summers 1972-1974
- Professor of Biology, Harvard University, 1969-1994
- Assistant Professor of Biology, Harvard University, 1965-1969
- Instructor of Biology, Harvard University, 1965

(2)

- President of the Cyprus Scientific Council, 2010-present
- Scientific Council Chairman, and President, European Research Council, 2005-2010
- Member of the ERC Scientific Council, 2005-2011
- Chair, Institutional Advisory Board, Flanders InterUniversity Institute for Biotechnology (VIB), 2002-2010, Vice-Chair from 2011-present
- Institute for Research in Biomedecine, Barcelona, Spain (IRB), Member External Advisory Board 2006-present
- Bill and Melinda Gates Foundation, Scientific Board of "Grand Challenges in Global Health Initiatives" (Member), 2003-2010
- Fondation des Treilles, Scientific Committee, (1989-2002) and Board (2002-present)

- Chair, EIROforum, 2002-2003 (European Intergovernmental Research Organisation grouping)
- Temasek Life Sciences Laboratory, Singapore, International Scientific Advisory Board, 2002-2006
- Max Planck Institute Göttingen, Member and Chair of the Fachbeirat, 1995–2007
- Institut Pasteur, Paris, Member, External Scientific and Strategic Committee, 2000-2005
- Fondation Louis Jeantet de Médecine, Science Committee Member, 1995-2004
- International Review Panel on Development of Biotechnology in Finland (Chair), 2002
- Member, Conseil National de la Science, France, 1998-2002
- Research Centre of Crete/Foundation of Research and Technology - Hellas, Governing Board Member 1982-1993
- European Molecular Biology Organisation Council Member, 1988-1990
- European Molecular Biology Laboratory Scientific Advisory Committee Member, 1984-1989
- University of Crete, Organizing and Governing Committee, 1973-1975 and 1976-1980 (Associate Member); 1982-1986 (Member)

(3)

- Academy of Medical Sciences International Committee, Member, 2009-present
- Systems X.ch, Zurich, Scientific Advisory Board, Member, 2009-present
- Scientific Advisory Council for Cyprus research and Educational Foundation to support the Cyprus Institute, Member, 2008-present
- Sanger Institute, Hinxton (UK), Scientific Advisory Board Member, 2004–2008
- Int. Risk Governance Council, Geneva, Scientific and Technical Council, Member, 2004-2007
- ESFRI European Strategy Forum Research Infrastructures, Biomedical Sciences working group, Advisor 2005-2009
- EUCOMM European Conditional Mouse Mutagenesis Program, Scientific Advisory Board, Member 2006-2009
- INSTRUMENT Integrated Structural Biology Infrastructures for Europe, Scientific Advisory Board, 2008-2009
- Bio-4EU Advisory Committee, 2005-2006
- Sars International Centre for Marine Molecular Biology, Bergen, Norway, Scientific Advisory Committee (Member), 2000-2005
- University of Geneva, School of Medicine, External Scientific Advisory Board (Member), 2001-2005
- Centro Regional de Estudios Genómicos, Argentina, External Advisory Committee (Member), 2003-2005
- Centro Nacional de Investigaciones Oncológicas Carlos III, Spain, Scientific Advisory Board Member, 2004-2006
- Hellenic Pasteur Institut, Athens, Scientific Committee (Member), 2003-2006
- Fondation Bettencourt Schueller, Scientific Committee, 1997-2002
- Institute of Molecular Agrobiolgy, Singapore, International Advisory Board, 1997-2002
- German Human Genome Project, Scientific Advisory Committee (Member) 1998-2000
- Bijvoet Graduate School for Biomolecular Chemistry Scientific Advisory Board, Netherlands (Member), 1996-2001
- Wellcome CRC Institute, Cambridge, International Advisory Board (Member), 1995-2000

- CIBA Foundation, Scientific Advisory Panel (Member), 1995-2000
- National Science Advisory Board of Greece (Member), 1988-1991, 1994-1999
- A. Fleming Biomedical Research Centre, Athens, Scientific Board (Member) 1995-1999
- WHO/TDR Steering Committee on Biological Control of Vectors, Molecular Entomology Subgroup Member, 1991-1998
- European Science and Technology Assembly (Member), 1995-1998
- International Centre for Insect Physiology and Ecology, Nairobi, Governing Board/Programme Committee Member, 1991-1994
- Committee for Development of European Science and Technology (CODEST) Member, 1987-1994
- NSF, Developmental Biology Panel Member, 1970-1972
- European Economic Community, Biotechnology Evaluation Panel Member, 1988
- American Cancer Society, Cell Biology and Nucleic Acids and Protein Synthesis Advisory Committees Member, 1983-1986
- MacArthur Foundation, Biology of Disease Vectors Course (Teacher; Cuernavaca 2003, České Budejovice 2001, Manaus 1999, Bamako 1997, Crete 1994, Fort Collins 1990)

Editorial Boards:

- Structure, 1995-2000
- Insect Molecular Biology, 1992-2004
- Cellular Microbiology, 2001-2010
- ChemBioChem, 2000-2010
- Phil. Trans. R. Soc. B, 2005-present

Other Professional service:

- Organiser and co-organiser of multiple colloquia, workshops and conferences (including: founder of the series of EMBO biannual meetings on Biology of Drosophila, Kolymbari, Crete, 1978–present, and co-founder of the series of Mosquito Molecular Biology Conferences, Kolymbari, Crete, 2000-present)

Publications:

- 357 research publications in refereed journals

Research Interests and Expertise:

- Insect Biology 1959 – present
- Natural history, defence mechanisms of arthropods 1959-1961
- Developmental biology 1961- present
- Molecular and cell biology 1963 – present
- Molecular evolution 1977- present
- Genomics 1987- present

- Malaria 1991- present
- Innate immunity 1991- present

Major Research focus:

- Anopheles / Plasmodium interactions
- Insect innate immunity
- Mosquito and comparative genomics
- Vector-based control of malaria

Addresses:

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