



Europass Curriculum Vitae

Personal information



First name(s) / Surname(s) **Luigi Frati**
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 E-mail luigi.frati@uniroma1.it; rettorefrati@uniroma1.it
 Nationality Italian
 Date of birth
 Gender Male

Occupational field Full Professor of Molecular Medicine - MED/46 Laboratory Medicine

Work experience

Dates	2008 -
Occupation or position held	Rector
Name and address of employer	University of Rome La Sapienza, Italy
Dates	2004 - 2008
Occupation or position held	Vice-Rector
Name and address of employer	University of Rome La Sapienza, Italy
Dates	1990 -
Occupation or position held	Member of the Board
Sector	Federation of the European National Academies of Medicine, Bruxelles
Dates	1989 - 2012
Occupation or position held	President
Name and address of employer	Accademia Nazionale di Medicina, Rome, Italy
Dates	1994 - 1998
Occupation or position held	Member of the board
Name and address of employer	UE, EMA-European Medicine Agency, Bruxelles and London
Dates	1994 - 1997
Occupation or position held	President
Name and address of employer	Health National Council, Ministry of Health, Italy
Dates	1993 - 1994
Occupation or position held	Vice-President
Name and address of employer	National Drug Agency CUF Ministry of Health, Italy
Dates	1990 - 1997
Occupation or position held	Member
Name and address of employer	National Bioethics Committee, Italy

Dates	1988 - 1992
Occupation or position held	Director
Name and address of employer	Institute of Biomedical Technologies, National Research Council, Rome, Italy
Dates	1979 - 1997
Occupation or position held	Member and Vice-President
Name and address of employer	National Universities Council, Minister of the University and Research, Italy
Dates	1980-2013
Occupation or position held	Full Professor of General Pathology [from 1997 Professor of Molecular Medicine]
Name and address of employer	Faculty of Medicine and Surgery, University of Rome La Sapienza; Head Division of Oncology, Policlinico Umberto I, Rome, Italy
Dates	1972 - 1980
Occupation or position held	Acting Professor of General Pathology
Name and address of employer	Faculty of Sciences, University of Perugia; Faculties of Pharmacy and of Medicine, University of Rome La Sapienza, Italy
Dates	1970 - 1971
Occupation or position held	Visiting scientist
Name and address of employer	Clinical Endocrinology Branch, NIAMD, NIH, Bethesda, Md., USA
Dates	1967 - 1980
Occupation or position held	Assistant Professor of General Pathology
Name and address of employer	University of Perugia, Perugia, Italy
Education and training	
Dates	1982
Title of qualification awarded	Specialty degree on Oncology
Name and type of organisation providing education and training	University of Rome La Sapienza
Dates	1973
Title of qualification awarded	Specialty degree on Laboratory Medicine
Name and type of organisation providing education and training	University of Ferrara
Dates	1970
Title of qualification awarded	Specialty degree on Endocrinology
Name and type of organisation providing education and training	University of Perugia
Dates	1970-71
Title of qualification awarded	Clinical Endocrinology Branch
Name and type of organisation providing education and training	NIAMMD, NIH, Bethesda, Md, USA, visiting scientist
Dates	July 15 1967
Title of qualification awarded	Graduated cum laude [experimental thesis on the granulocytosis-inducing factor, presently G-CSF, isolated by L.F. et al.: Biochim Biophys Acta 1965;111:344]
Name and type of organisation providing education and training	University of Sacro Cuore, Rome, Faculty of Medicine

Dates	1965
Title of qualification awarded	Summer student
Name and type of organisation providing education and training	Wellcome Laboratories, London
Dates	1961/67
Title of qualification awarded	Student internship on biochemistry and neurobiology,
Name and type of organisation providing education and training	Lab. of Biochemistry and Neurobiology, National Research Council and National Health Institute, and Institute of Chemistry, Catholic University, Roma
Dates	1961/67
Title of qualification awarded	Student, Medicine and Surgery, 6 yrs Course,
Name and type of organisation providing education and training	Faculty of Medicine, Catholic University, Policlinico Gemelli, Roma
Dates	1960/61
Title of qualification awarded	High school degree
Name and type of organisation providing education and training	Liceo-Ginnasio Vincenzo Monti, Cesena

Other language(s)

Self-assessment

European level (*)

English

French

Understanding		Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production	
	C1		C1		C1		C1
	B2		C1		C1		C1

(*) [Common European Framework of Reference for Languages](http://europass.cedefop.europa.eu)

Annexes

#	Scientific Publication (30 selected of 542 international papers --- h-index 52)	Impact Factor
1	Gazzaniga P, Raimondi C, Gradilone A, Di Seri M, Longo F, Cortesi E, Frati L. Circulating tumor cells, colon cancer and bevacizumab: the meaning of zero. Ann Oncol. 2011 Aug;22(8):1929-30.	6.452
2	Frati L, Codacci-Pisanelli G. Chemotherapy and immunotherapy in metastatic colorectal cancer. N Engl J Med. 2009 May 14;360(20):2134-5;	51,296
3	Gazzaniga P, Gradilone A, Naso G, Cortesi E, Gianni W, Frati L, Aglianò AM. Chemoresistance profile of circulating tumor cells: toward a clinical benefit? Int J Cancer. 2008 Oct 1;123(7):1730-2. PubMed PMID: 18646187.	4.926
4	Giannini G, Capalbo C, Ottini L, Buffone A, De Marchis L, Margaria E, Vitolo D, Ricevuto E, Rinaldi C, Zani M, Ferraro S, Marchetti P, Cortesi E, Frati L, Screpanti I, Gulino A. Clinical classification of BRCA1 DNA missense variants: H1686Q is a novel pathogenic mutation occurring in the ontogenetically invariant THV motif of the N-terminal BRCT domain. J Clin Oncol. 2008 Sep 1;26(25):4212-4;	18.970
5	Capalbo C, Buffone A, Vestri A, Ricevuto E, Rinaldi C, Zani M, Ferraro S, Frati L, Screpanti I, Gulino A, Giannini G. Does the search for large genomic rearrangements impact BRCA1 carrier prediction? J Clin Oncol. 2007 Jun 20;25(18):2632-4;	18.970
6	Bellavia D, Mecarozzi M, Campese AF, Grazioli P, Talora C, Frati L, Gulino A, Screpanti I. Notch3 and the Notch3-upregulated RNA-binding protein HuD regulate Ikaros alternative splicing. EMBO J. 2007 Mar 21;26(6):1670-80.	10.124
7	Calogero A, Lombardi V, De Gregorio G, Porcellini A, Ucci S, Arcella A,	

- Caruso R, Gagliardi FM, Gulino A, Lanzetta G, Frati L, Mercola D, Ragona G.
Inhibition of cell growth by EGR-1 in human primary cultures from malignant glioma.
Cancer Cell Int. 2004 Jan 7;4(1):1. 26.925
- 8 Gradilone A, Gazzaniga P, Ribuffo D, Scarpa S, Cigna E, Vasaturo F, Bottoni U, Innocenzi D, Calvieri S, Scuderi N, Frati L, Aglianò AM.
Survivin, bcl-2, bax, and bcl-X gene expression in sentinel lymph nodes from melanoma patients.
J Clin Oncol. 2003 Jan 15;21(2):306-12. 18.970
- 9 Bellavia D, Campese AF, Checquolo S, Balestri A, Biondi A, Cazzaniga G, Lendahl U, Fehling HJ, Hayday AC, Frati L, von Boehmer H, Gulino A, Screpanti I.
Combined expression of pTalpha and Notch3 in T cell leukemia identifies the requirement of preTCR for leukemogenesis.
Proc Natl Acad Sci U S A. 2002 Mar 19;99(6):3788-93. 9.771
- 10 Giannini G, Ristori E, Cerignoli F, Rinaldi C, Zani M, Viel A, Ottini L, Crescenzi M, Martinotti S, Bignami M, Frati L, Screpanti I, Gulino A.
Human MRE11 is inactivated in mismatch repair-deficient cancers.
EMBO Rep. 2002 Mar;3(3):248-54. 7.822
- 11 Angeloni A, Farina A, Gentile G, Capobianchi A, Martino P, Visco V, Muraro R, Frati L, Faggioni A.
Epstein-Barr virus and breast cancer: search for antibodies to the novel BFRF1 protein in sera of breast cancer patients.
J Natl Cancer Inst. 2001 Apr 4;93(7):560-1. 14.697
- 12 Bellavia D, Campese AF, Alesse E, Vacca A, Felli MP, Balestri A, Stoppacciaro A, Tiveron C, Tatangelo L, Giovarelli M, Gaetano C, Ruco L, Hoffman ES, Hayday AC, Lendahl U, Frati L, Gulino A, Screpanti I.
Constitutive activation of NF-kappaB and T-cell leukemia/lymphoma in Notch3 transgenic mice.
EMBO J. 2000 Jul 3;19(13):3337-48. 10.124
- 13 Mainiero F, Gismondi A, Soriani A, Cippitelli M, Palmieri G, Jacobelli J, Piccoli M, Frati L, Santoni A.
Integrin-mediated ras-extracellular regulated kinase (ERK) signaling regulates interferon gamma production in human natural killer cells.
J Exp Med. 1998 Oct 5;188(7):1267-75. 14.776
- 14 Santarelli R, Angeloni A, Farina A, Gonnella R, Gentile G, Martino P, Petrucci MT, Mandelli F, Frati L, Faggioni A.
Lack of serologic association between human herpesvirus-8 infection and multiple myeloma and monoclonal gammopathies of undetermined significance.
J Natl Cancer Inst. 1998 May 20;90(10):781-2. 14.697
- 15 Galandrini R, Palmieri G, Piccoli M, Frati L, Santoni A.
CD16-mediated p21ras activation is associated with Shc and p36 tyrosine phosphorylation and their binding with Grb2 in human natural killer cells.
J Exp Med. 1996 Jan 1;183(1):179-86. 14.776
- 16 Screpanti I, Scarpa S, Meco D, Bellavia D, Stuppia L, Frati L, Modesti A, Gulino A.
Epidermal growth factor promotes a neural phenotype in thymic epithelial cells and enhances neuropoietic cytokine expression.
J Cell Biol. 1995 Jul;130(1):183-92. 9.921
- 17 de Grazia U, Felli MP, Vacca A, Farina AR, Maroder M, Cappabianca L, Meco D, Farina M, Screpanti I, Frati L, Gulino A.
Positive and negative regulation of the composite octamer motif of the interleukin 2 enhancer by AP-1, Oct-2, and retinoic acid receptor.
J Exp Med. 1994 Oct 1;180(4):1485-97. 14.776
- 18 Gismondi A, Mainiero F, Morrone S, Palmieri G, Piccoli M, Frati L, Santoni A.
Triggering through CD16 or phorbol esters enhances adhesion of NK cells to laminin via very late antigen 6.
J Exp Med. 1992 Nov 1;176(5):1251-7. 14.776
- 19 Vacca A, Felli MP, Farina AR, Martinotti S, Maroder M, Screpanti I, Meco D, Petrangeli E, Frati L, Gulino A.
Glucocorticoid receptor-mediated suppression of the interleukin 2 gene expression through impairment of the cooperativity between nuclear factor of activated T cells and AP-1 enhancer elements.
J Exp Med. 1992 Mar 1;175(3):637-46. 14.776
- 20 Marchese C, Rubin J, Ron D, Faggioni A, Torrisi MR, Messina A, Frati L, Aaronson SA.
Human keratinocyte growth factor activity on proliferation and differentiation of human keratinocytes: differentiation response distinguishes KGF from EGF family. 3.986

- J Cell Physiol. 1990 Aug;144(2):326-32.
- 21 Torrisi MR, Pavan A, Lotti LV, Zompetta C, Faggioni A, Frati L.
Nonrandom distribution of epidermal growth factor receptors on the plasma membrane of human A431 cells.
Exp Cell Res. 1988 Apr;175(2):326-33. 3.609
 - 22 Faggioni A, Zompetta C, Grimaldi S, Barile G, Frati L, Lazdins J. Calcium
modulation activates Epstein-Barr virus genome in latently infected cells.
Science. 1986 Jun 20;232(4757):1554-6. 31.364
 - 23 Ghirlanda G, Uccioli L, Perri F, Altomonte L, Bertoli A, Manna R, Frati L, Greco AV. Epidermal growth factor,
somatostatin, and psoriasis.
Lancet. 1983 Jan 1;1(8314-5):65. 33.633
 - 24 Daniele S, Frati L, Fiore C, Santoni G.
The effect of the epidermal growth factor (EGF) on the corneal epithelium in humans.
Albrecht Von Graefes Arch Klin Exp Ophthalmol. 1979 May 7;210(3):159-65. 2.158
 - 25 Frati L, Cenci G, Sbaraglia G, Teti DV, Covelli I.
Levels of epidermal growth factor in mice: tissues measured by a specific radioreceptor assay.
Life Sci. 1976 May 1;18(9):905-11. 2.451
 - 26 Frati L, Bilstad J, Edelhoch H, Rall JE, Salvatore G.
Biosynthesis of the 27 S thyroid iodoprotein.
Arch Biochem Biophys. 1974 May;162(1):126-34. 3.022
 - 27 Covelli I, Frati L, Wolff J.
Carboxymethylation of the histidyl residues of insulin.
Biochemistry. 1973 Mar 13;12(6):1043-7. 3.226
 - 28 Frati L, Daniele S, Delogu A, Covelli I.
Selective binding of the epidermal growth factor and its specific effects on the epithelial cells of the cornea.
Exp Eye Res. 1972 Sep;14(2):135-41. 2.817
 - 29 Covelli I, Rossi R, Mozzi R, Frati L.
Synthesis of bioactive 131 I-labeled epidermal growth factor and its distribution in rat tissues.
Eur J Biochem. 1972 May 23;27(2):225-30. 3,579
 - 30 Angeletti PU, Salvi ML, Capani F, Frati L.
Granulocytosis-inducing factor from the mouse submaxillary gland.
Biochim Biophys Acta. 1965 Nov 15;111(1):344-6.

Textbooks

1. Pontieri G, Russo MA, Frati L. Patologia Generale. Piccin
2. Aaronson S, Frati L, Verna R. Genetic and phenotypic markers of Tumors. Plenum Press, NY, 1984.
3. Bolis L, Verna R, Frati L. Peptide hormones, biomembranes and cell growth. Plenum Press, NY, 1984.
4. Frati L, Aaronson S. Molecular pathology of gene expression. Raven Press, NY, 1989.
5. Verna L, Blumenthal R, Frati L. Bioengineered Molecules: basic and clinical aspects. Raven Press, NY, 1989.
6. Forni G, Foà R, Santoni A, Frati L. Citokine-induced tumor immunogenicity [from exogenous molecules to gene therapy]. Academic Press, NY, 1994