

Dr. Federico Licastro was born in Torre del Greco (Naples) December 25, 1951. Married with Lizabeth Jane Davis and father of two children.

#### Education background

- 1970 General Certificate of Education at Liceo "A. Oriani" Ravenna, Italy, in scientific studies.  
 1977 Degree in Medicine at the University of Bologna.  
 1980 Specialization in Pediatrics

#### Fellowship

- 1975-76 Fellow of "Regione Emilia Romagna" for the education of medical students.  
 1983 Fellowship of "Italian Association for Cancer research"  
 1983 Travel grant from Fulbright Programm within the framework of The Council for International Exchange of Scholars.  
 1983.85.1 Visiting Assistant Professor and Fulbright Scholar at the Department of Pathology, UCLA School of Medicine, Research Program USA: DNA repair and aging, supervisor Prof. Roy L. Walford.  
 1996 Visiting Professor at the Department of Neuroscience and Pathology, University of California San Diego and travelling grant from Italian A.R.A.D.

#### Scientific stages

- 1987 Visiting professor at the Department of Pathology, UCLA School of Medicine, USA (three months).  
 1988 Visiting professor the Department of Pathology, UCLA School of medicine, USA (two months).  
 1989 Visiting professor the Department of Nutritional Sciences, UC-Berkeley, and at the Department of Pathology, UCLA School of medicine, USA (two months).  
 1996-97 Visiting professor at The department of Neuroscience and Pathology UCSD, School of Medicine (USA)  
 1998 Visiting professor at The department of euroscience and Pathology UCSD, School of Medicine (USA).  
 1997 - 99 Neuroimmunologist consultant of the Department of Neurosciences and Pathology of UCSD, California, USA.  
 1999-2000 Member of the International Board for anti-inflammatory therapy in Alzheimer's disease sponsored by Searle-Peiper Corporations.

#### Positions

- 1977-80 Graduate technician at the Institute of General Pathology, Faculty of Medicine, University of Bologna.  
 1980 Assistant professor of General Pathology at the Institute of General Pathology, Faculty of Medicine, University of Bologna.  
 1984 Associate professor of General Pathology at the Institute of General Pathology, Faculty of Medicine, University of Bologna.  
 1987-present Associate professor of Immunology at the Department of Experimental Pathology, Faculty of Medicine, University of Bologna.

- Teachings Immunology course for medical students of the School of Medicine at the University of Bologna.  
 Immunology course for Nursery Degree of the School of Medicine at the

University of Bologna in Bologna.  
 Immunology course For Nursery Degree of the School of Medicine at the  
 University of Bologna in Rimini.  
 Total time for teaching 25%

### Scientific Topics

- Immune-deficiency associated with Down's syndrome.
- Immune senescence in animal models and elderly.
- Modulation of immune defects by dietary manipulations.
- Immune mechanisms associated with Alzheimer's disease.
- Gene markers associated with the risk of Alzheimer's disease and cognitive deterioration.
- Molecular biology of proteins associated with neuro-degeneration and neuro-protection.

### Research grants:

#### *Italian projects:*

- 1) Intramural research projects at the University of Bologna (ex 60% MURST) 1986-2003.
- 2) National competitive research projects (ex 40% MURST) 1993-1996.
- 3) National competitive research projects (Co-finanziamento MURST) 1998-2001.
- 4) County research projects "Finalizzati della Regione Emilia Romagna" 1983-1985 and 1989-1992.
- 5) Contracts with pharmaceutical company (Poli Industria Chimica SpA, Milano) 1994-1995 e 1996.
- 6) National strategic project on Alzheimer's disease "Finalizzata Sanità sulla Malattia di Alzheimer", Don Gnocchi Foundation, Milano, 2000-2004.
- 7) National strategic project on Alzheimer's disease "Finalizzata Sanità sulla Malattia di Alzheimer", INRCA, Ancona Italy.
- 8) Research grant CURA by funding of CARIMONTE Foundation, Bologna, for genetic risk factors for senile dementia and cognitive deterioration in the elderly 2002-2004.

#### *International projects:*

- 1) Pilot projects on the Alzheimer's Disease, from the Alzheimer's Disease Center, San Diego, California, USA 1996.
- 2) Research grant by SEARLE, Monsanto Group, Italy 1997.

Author and co-author of 254 scientific articles (136 with impact factor and on Pub Med; total impact factor 520) and 310 abstracts of scientific meetings. He has participated to several international congresses and conferences as speaker, chairmen or poster presenter.

During the last years his main research has been focused upon the search of genetic risk factors for Alzheimer's disease and age associated cognitive decline. On this topic he has published several papers on international journal of neuroscience and gerontology fields.