CURRICULUM VITAE

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EDUCATION

- 1994

  Laurea Degree in Physics awarded by the University of Bologna, Italy, on completion of the following research thesis: *"A Model for the Antibody Diversity Study by means of Genetic Algorithms"*.
  Supervisor: Prof. F. Bersani. Final marks: 108/110.

- Since January 1997

  PhD in Experimental Pathology at the University of Bologna, Italy.
  Expected duration: 4 years.

- September 1997 - February 1999

  MSc in Bioinformatics at The University of Manchester, Manchester, UK
  Final Dissertation: *"A Computational Model for the Immune System and its Ageing"*.

Fellowships

- February 1996 - May 1996

  Fellowship awarded by the University of Modena, Italy, to develop a mathematical model for the apoptosis in lymphocyte populations of Progressor and Long Term Non-Progresors HIV positive individuals.

- November 1996 - February 1997

  Fellowship awarded by the University of Chieti, Italy

Participation in Schools and Conferences

- January 1993	First Meeting of the International Society of Theoretical Neurobiology, Milano (Italy).
- September 1993	National School on *"Biosystems and Complexity"*, Gruppo Nazionale di Bioingegneria del CNR, Bressanone (Italy).
- 25th September 1995/ 1st October 1995	International Summer School *"Biology and Complexity"*, Palma de Mallorca, Spain, sponsored by the European Community.
- 17/ 20th June 1996	International Conference on Human Ageing *"Adding Life to Years"*, UNESCO Building, Paris, France, sponsored by UNESCO.
- 28th February 1997	Congress *"DNA Analysis"*, Firenze, Italy, sponsored by Boehringer Mannheim Italia.
- 19/23rd April 1997	3rd BioMed Conference on Molecular Gerontology, Ancona, Italy.
- 4/9th May 1997	International School on *"Pathobiology of Aging"*, Volterra, Italy, sponsored by National Institute of Research on Ageing (INRCA) and European Community.
- 5/7th June 1997	National Symposium of GCI - Cooperation Group in Immunology, Ancona, Italy.
- 13/20th June 1997	Summer School on *"Mathematics inspired by Biology"*, C.I.M.E., International Mathematical Summer Center, Martina Franca, Italy, sponsored by National Research Council (CNR), Italian Ministry of University and of Scientific and Technological Research (MURST) and European Community.
- 9/10th April 1998	Co-organiser of the International Symposium *"Scientific Progress, Complexity and New Epistemology"*, Milano, Italy.
- 10/15th May 1998	Gordon Research Conferences *"Biology of Ageing"*, Il Ciocco, Italy.
- 14/21st March 1999	European School of Medical Genetics: 12th Course, Sestri Levante (Genoa), Italy.
- 25/27th April 1999	Annual Meeting of the *"GenAge Project"*, Athens, Greece.
- 21/23th May 1999	International Symposium *"Exercise and Immunology, Aging - Nutrition - Athletes"*, Roma, Italy *(speaker).*
- 23/25th June 1999	IV National Symposium on Statistical Physics, Parma, Italy.
- 11/16th July 1999	Santa Fe Institute Workshop on *"Design Principles for the Immune System and Other Distributed Autonomous Systems"*, Santa Fe, NM, U.S.A. *(speaker).*

EXPERIENCE

1984-1994 Business agent in the sector of passive electronic components for industry.

COMPUTER SKILLS

Languages	Good knowledge of C , C++, Java and Fortran77.
Operative Systems	Skilled user of Unix, Linux, Windows, Vms/Vax, DOS.
Bioinformatics skills	Skills in searching various Primary Databases; skilled user of: - software for pairwise and multiple sequence alignment; - software for comparing sequences against databases (BLAST, BLASTP, BLASTN, BLASTX, FASTA, TFASTA, FASTX, BLITZ); - GCG package, PROMOTERSCAN, TFSEARCH, TMAP, Paircoil.

PUBLICATIONS

- Yashin A.I., De Benedictis G., Vaupel J.W., Tan Q., Andreev K.F., Iachine I.A., Bonafè M., DeLuca M., Valensin S., Carotenuto L., Franceschi C., *Genes, Demography and life span: the contribution of demographic data in genetic studies of aging and longevity*, American Journal of Human Genetics, 1999 (in press).

- Yashin A.I., De Benedictis G., Vaupel J.W., Tan Q., Andreev K.F., Iachine I.A., Bonafè M., Valensin S., Carotenuto L. & Franceschi C., *Genes and Longevity: Lessons from Centenarians Studies*, submitted.

- Franceschi C., Mondello C., Bonafè M., Valensin S., Sansoni P., Sorbi S., *Long telomeres and well preserved proliferative vigor in cells from centenarians: A contribution to longevity?*, Aging, Clinical and Experimental Research, Vol.11, No.2: 69-72, 1999.

- Ottaviani E., Valensin S. & Franceschi C., *The neuro-immunological interface in an evolutionary perspective: the dynamic relationship between effector and recognition systems*, Frontiers in Bioscience, No. 3, d431 - 435, April 15, 1998.

- Yashin A.I., Vaupel J.W., Andreev K.F., Tan Q., Iachine I.A., Carotenuto L., De Benedictis G., Bonafè M., Valensin S. & Franceschi C., *Combining genetic and demographic information in population studies of ageing and longevity*, Journal of Epidemiology and Biostatistics, Vol. 3, No.3: 289-294, 1998.

- Castellani G., Franceschi C., Gottardi G., Valensin S. & Bersani F., *Tolerance, Regulation and Memory of a Simple Immune Network*, in Proceedings of 8th Congress of Medical Physics, Pisa (Italy), November, 15-18, 1994.

ACTUAL RESEARCH INTERESTS

- **Theoretical Immunology**

- **Structure and function of repetitive DNA sequences**