

# Luciano Gastaldo

## Curriculum Vitae et Studiorum

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### Education

1983. Degree in Biological Sciences, (110/110) Faculty of Mathematical, Physical and Natural Sciences, University of Pavia (Italy). Thesis: "Espressione del gene umano della didifrofolato reductasi in *Bacillus subtilis*" Supervisor: Prof.P.G.Mazza.

1978. High School "Istituto Ettore Molinari" diploma "perito chimico"

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### Training

1994. Fermentation Technology, Massachusetts Institute of Technology (MIT) Boston, USA

1991. British Council Course "Advances in biotechnology 2, bioreactors in industry" Edimburgh (Scotland)

1991. Euro-course "Scientific-Technical background for biotechnology regulation" Ispra (Italy)

1988. Microbial breeding, summer school, Cortona (Italy)

1998. Course on Liquid Chromatography at Hewlett-Packard, Cernusco sul Naviglio (Italy)

1987. Advances course on Biotechnology at Inter-University Centre of postgraduates studies, Dubrovnik (Yugoslavia)

1986. Course on Microbial Ecology, Lublijana (Yugoslavia)

1983. Course on Genetic Engineering at "Istituto Internazionale di Genetica e Biofisica" Napoli. (Italia)

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### Professional Experience

2006-1988 : Head of fermentation pilot plant at Vicuron Pharmaceuticals (previously Lepetit Research Center) Gerenzano (Varese).

Research activities included:

- Development of fermentation processes for improving the antibiotic productivity
- Development of HPLC methods for fermentation broth analysis

- Physiological and genetic studies on actinomycete strains
- Fermentation of *E.coli* DNA-recombinant strains
- Mutagenesis and isolation of high antibiotic producing strains
- Set-up of bioreactors and plant equipments
- Scale-up of fermentation processes from flask to 2,000L bioreactor

1988-1983: Researcher at the Screening laboratory of Lepetit Research Center, Milano

Research activities included:

- New methodologies for soil actinomycete isolation
- Screening technologies for isolation of novel glycopeptide antibiotics
- Research on new antibiotics produced by *Actinoplanes* strains
- Methodologies for isolation and cultivation of acidophilic *Streptomyces*