



Technology Foresight Summit 2003, Budapest



Pál VENETIANER

Research Professor, Biological Research Centre, Hungary

Contribution:

Rapporteur

Time and venue:

BT Session 1 (Biotechnology and the Biomedical Industry), 28 March, 2003, 8:30-10:00, Star Auditorium

BT Session 2 (Biotechnology, Food and Agriculture), 28 March, 2003, 10:30-12:00, Star Auditorium

BT Session 3 (Biotechnology and the Environment), 28 March, 2003, 14:00-15:30, Star Auditorium

RESUME

Present position:

Research Professor, Biological Research Centre, Szeged, Hungary

Previous positions:

1971-1978 Senior Research Worker, Head of the Section on Nucleic Acid Research, Institute of Biochemistry, Biological Research Center, Szeged

1973-1974 Visiting Scientist, National Institutes of Health, NICHD, (head: P. Leder) Bethesda, USA. (on sabbatical leave from Szeged)

1975 D.Sc. Doctor of Biological Sciences,

- 1976 Honorary Professor of Molecular Genetics, József Attila University, Szeged
- 1979-1983 Deputy Director, Institute of Biochemistry, Biological Research Center, Hungarian Academy of Sciences
- 1984-1993 Director Institute of Biochemistry, Biological Research Center, Hungarian Academy of Sciences
- 1994-1996 Director General of the Biological Research Center, Szeged

Academic profile:

- 1957 M.Sc. Eötvös Lóránd University, Budapest, Faculty of Sciences
- 1957–1965 Research Associate. Institute of Medical Chemistry (Prof. F.B. Straub) Semmelweis University Medical School, Budapest
- 1965 Candidate of Biological Sciences (Ph.D.)
- 1965-1966 Visiting Fellow, National Institutes of Health, NIAMD, (head: C.B. Anfinsen), Bethesda, USA;
- 1966-1970 Assistant Professor, Institute of Medical Chemistry, Semmelweis University Medical School, Budapest

Other relevant information:

Honors, awards

- 1969 Imre Szörényi Prize of the Hungarian Biochemical Society
- 1980 Ferdinand Springer Award of FEBS
- 1981 Award of the Hungarian Academy of Sciences
- 1985 State Prize for Science (Hungary)
- 1987 Corresponding Member of the Hungarian Academy of Sciences
- 1991 Member of EMBO
- 1992 Member of Academia Europea (London)
- 1995 Regular Member of the Hungarian Academy of Sciences
- 1995 Member of the Leopoldina Academy of Sciences (Germany)
- 1997 Order of the Hungarian Republic, medium cross.
- 1998 Main prize of the "For Szeged" foundation
- from 1999 Széchenyi professorship

Professional memberships, functions:

1991-1996 Chairman, Council of the Research Institutes of the Hungarian Academy of Sciences

1985-1995 IUBMB-IUPAC Joint Commission on Biochemical Nomenclature

1994-1999 EMBO Council

1999 Vice-Chairman of the EMBO Council,

- Chairman, Program Committee of the European Congress of Biotechnology 1997 Budapest
- Steering Committee of the Technological Foresight Program of Hungary
- Presidium of the Hungarian Biochemical Society
- Committee of Biochemistry and Molecular Biology of the Hungarian Academy of Sciences
- Advisory Board of European Journal of Biochemistry
- Editorial Board of Cellular and Molecular Life Sciences
- European Federation of Biotechnology, Working Party of Applied Molecular Genetics
- Chairman, Hungarian National EMBO Committee
- Chairman, Hungarian National Committee of IUBMB
- Chairman, National Committee of Gene Technology

Important publications:

1. Venetianer,P. and Straub,F.B.: The enzymic reactivation of reduced ribonuclease. Biochim. Biophys. Acta, 67 (1963) 166-168.
2. Fuchs,S., DeLorenzo,F., Venetianer,P. and Anfinsen,C.B.: Studies on the enzymic catalysis of sulfhydryl-disulfide interchange in proteins. Fed. Proc., 25 (1966) 527.
3. Udvardy,A., Sümegi,J. and Venetianer,P.: Tight binding of RNA polymerase to rDNA genes in Escherichia coli. Nature, 249 (1974) 548-550.
4. Venetianer Pál: A molekuláris biológia időszerű kérdései. Tankönyvkiadó. Budapest 1974.

5. Venetianer,P. and Leder,P.: Enzymatic synthesis of solid phase-bound DNA sequences corresponding to specific mammalian genes. Proc. Natl. Acad. Sci. USA, 71 (1974) 3892-3895.
6. Kiss,A., Sain,B. Csordás-Toth,É. and Venetianer,P.: A new sequence-specific endonuclease (Bsp) from Bacillus sphaericus. Gene, 1 (1977) 323-329.
7. Kiss,A., Sain,B. and Venetianer,P.: The number of rRNA genes in Escherichia coli. FEBS Let., 79 (1977) 77-79.
8. Venetianer Pál: Molekuláris biológia: Tegnap, Ma, Holnap. Magvető. Gyorsuló idő. 1978.
9. Boros,I., Kiss,A. and Venetianer,P.: Physical map of the seven ribosomal RNA genes of Escherichia coli. Nucleic Acids Res., 6 (1979) 1817-1830.
10. Szomolanyi,E., Kiss,A. and Venetianer,P.: Cloning of the modification methylase gene of Bacillus sphaericus in E. coli. Gene, 10 (1980) 219-225.
11. Kiss,A., Posfai,Gy., Keller,C.C., Venetianer,P. and Roberts,R.J.: Nucleotide sequence of the BsuRI restriction-modification system. Nucleic Acids Res., 13 (1985) 6403-6421.
12. Venetianer Pál: A humán proinzulint termelő baktériumtörzs előállítás. (in: Napjaink biotechnológiája. OMFB tanulmányok 7. OMFB-OMIKK. ed: L.Kállai, Budapest, 1987. pp. 42-45)
13. Venetianer Pál: A DNS szép új világa. Kulturtrade Kiadó, Bp. 1998.
14. Venetianer Pál: Géntechnológia-ellenesség – Tudományellenesség? Magyar Tudomány, 44. 1999/10 1170-1176.
15. Venetianer Pál: Csillagórák a tudományban. Medicina, Bp. 2002