

CURRICULUM VITAE

JOHAN MOAN

Day/Month/Year of birth: 27.04.1944
Place of birth: Åfjord, Sør Trøndelag, Norway

Education: *Orkdal off. Lands gymnas 1961-64.
*Cand.real. degree at the University of Trondheim, in 1970, with average marks 1.24, reported to His Majesty the King.
*Ph.D. at the University of Oslo in 1975 (thesis: X-ray and UV-induced Processes in Frozen Polar Solutions of L-tryptophan).

Professional career:
*Fellow of the Norwegian Research Council for Science and the Humanities, 1970-1974.
*Research Scientist at the Institute for Cancer Research, The Norwegian Radium Hospital, 1974 –
*Professor II at Oslo University 1991 -

International and National Trusts:
*Chairman of the Publication Committee of the European Society for Photobiology 1988-1993
*Member of the Board of directors of the International Photodynamic Association, 1988 –
*Member of the Editorial Board of the international scientific journals Cancer Letters and Lasers in Medical Science, 1986 –
*Editor of the Newsletter of the European Society for Photobiology (ESP) 1987 – 1987.
*Member of the Board of the Norwegian Society for Photobiology and Photomedicine.
*National representative for Norway in ESP 1993 –2002
□Member of Thre Royal Norwegian Academy of Science, 2007 –
□Member of The Norwegian Academy of Science and Letters, 2007 -

Research Fields:
*Radiation Chemistry and Physics (1970-1975)
*Photochemistry (1970 –
*Photobiology (1976 –
*Environmental Physics and Biology (1987 –
*Photocarcinogenesis and skin cancer epidemiology (1990 -)
Sun and vitamin D-synthesis, 2000 –
□Photodegradation of folates in human skin, 2003 -

Since 1976 the main research field has been photochemotherapy of cancer (PCT). This research has led to the start of clinical PCT at the Norwegian Radium Hospital in 1991. Due to the international reputation of Moans group of Photobiophysics , Lederle gave a laser (NOK 1.5 mill) to the Radium Hospital for clinical testing of photochemotherapy.

In 1987 research activity in the field “Environmental Physics and Biology” was initiated. The project is mainly concerned with UV-photobiology, the biological consequences of an ozone depletion and the relationship between skin cancer and ultraviolet radiation. The activity of the group has led to several patents on some of which the company Photo Cure is based.

A number of scientists from other countries have been working in the Photobiophysics Group, some with PDT and some with UV photobiophysics/photobiology.

Prizes and Awards:

- 1993: 2. prize of the Oslo University Research Foundation
- 1995: 1. prize of the Oslo University Research Foundation

- 1996: The prize for new inventions from the Norwegian Radium Hospital Research Foundation (“Nyskapningsprisen”)
- 1998: **The National Prize of Sigval Bergesen d.y. and wife Nankis Foundation.(Only one prize given in Norway per year).**
- 1999: Prize of Honour of The European Society for Photobiology.
- 2001: Winner of phase 1 Venture Cup, Oslo University.
- 2003: **The Birkeland prize of physics. (The most prestigious prize for physicists in Norway, awarded every second year.)**

Scientific publications:

460 original scientific papers (Oct 08).
Co-editor of six books: “Light in Biology and Medicine, Vol. I and Vol. II”, Plenum Press 1988 and 1990/91. “Environmental Photobiology”, Plenum Press 1993. “SPIE-Proceedings” vol. 2078, 2325 and 2625, (1993, 1994 and 1995).

Teaching activities:

- *Lecturer at the universities of Oslo and Trondheim more or less regularly.
- *Supervisor for cand.scient. students and NTH-diploma students (The Norwegian Technical University).
- *Supervisor for 12 completed Ph.D.s and 3 Ph.D.s under way.
- *Opponent for 7 Ph.D.s
- Five lectures in the P 2- academy, the main Norwegian radio channel.

Visits to other laboratories:

- *Hebrew University, Israel (1971).
- *Wayne State University, USA, (1976)
- *Several short visits to the University of Leeds, England, to Roswell Park Memorial Institute, Buffalo, USA.
- *Several short visits to Bar Ilan University, Israel.

Oslo, Oct 08