

**NAME:** Bjarne Østerud **BIRTH:** July 23, 1940  
**ADDRESS:** Grønlandsveien 26 **PLACE:** Eidsvoll, Norway  
9013 Tromsø

**Mailing Address:** Department of Biochemistry,  
Institute of Medical Biology  
Faculty of Medicine  
University of Tromsø  
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#### **EDUCATION:**

1957-1960 Eidsvoll off. Lands gymnas (high school) Norway  
1961-1967 University of Oslo, Norway; Cand. real. (Ph.D.) in Biochemistry  
1968-1974 University of Southern California Medical School, Los Angeles. University of Oslo,  
Oslo and University of Tromsø, Tromsø, Norway. Norwegian Doctorate in  
Biochemistry under direction of Dr. Philos.

#### **ACADEMIC BACKGROUND:**

11/67-12/67 University of Oslo, Department of Biochemistry, Oslo, Norway; Research Assistant  
1/68- 2/71 USC Medical School, Department of Medicine, Los Angeles, Calif.; Research  
Associate  
3/71- 5/72 Dept. of Microbiology, Dental Faculty, University of Oslo, Norway; Research  
Stipendiate (NAVF)  
6/72-10/74 Institute of Medical Biology, Univ. of Tromsø, Tromsø, Norway; Research  
Stipendiate (NAVF)  
11/74- 4/75 USC, Department of Medicine, Los Angeles, California; Research Associate  
5/75- 9/78 Assistant Adjunct Professor of Medicine, University of California, San Diego,  
Department of Medicine, La Jolla, Calif.  
10/78- 8/86 "Konsulent", Division of Clinical Chemistry, University Hospital, Tromsø, Norway  
11/79- 8/86 Professor II, Division of Clinical Chemistry, Institute of Medical Biology, University  
of Tromsø, Tromsø, Norway  
8/86-present Professor of Biochemistry, Department of Biochemistry, Institute of Medical ,  
Faculty of Medicine, University of Tromsø, Tromsø, Norway

#### **AWARDS AND HONORS:**

- Fellowship, USC, Department of Medicine, Hematology Division from January 1968 to January 1971.
- Chairman of the Norwegian Biochemical Society, division of Oslo, Norway, 1971.
- Member of the Task Force on Standardization of Factor IX<sub>a</sub>, and Standardization of a Factor IX<sub>a</sub> Assay of the International Committee on Thrombosis and Haemostasis (1975-1978).
- Consultant for the Task Force on Blood Clotting Zymogens and Zymogen Intermediates of the International Committee on Thrombosis and Haemostasis (1974-1976).
- Participant in preparation of the Continuing Plan, Blood Advisory Committee Thrombosis and Haemostasis Subcommittee Molecular Mechanisms Section, March, 1976.
- Member of the Task Force on Platelets of the International Committee on Thrombosis and Haemostasis (1977-1981).
- Member of the Commission of the European Communities Medical and Public Health Research Programme, Concerted action "Detection of the tendency to thrombosis".
- Wright-Schulte lectureship 1983 at the IXth International Congress on Thrombosis and Haemostasis, Stockholm, Sweden
- Co-Editor of Thrombosis Research. An International Journal on Vascular Obstruction, haemorrhage and haemostasis (1983-1987).
- Co-Editor of Haemostasis (1985-1996)
- Owren lectureship 1986 in Oslo, Norway.

- Chairman of the Norwegian Biochemical Society meeting in Tromsø, March 5-8, 1987.
- Chairman of the Nordic Conference on Blood Coagulation in Tromsø, June 11-13, 1987.
- Co-Editor of Blood Coagulation and Fibrinolysis (1990-present)
- Member of the Scientific and Standardization Committee (The International Society on Thrombosis and Haemostasis - 1989-1995)
- Chairman of the Tissue factor Pathway Inhibitor (TFPI) Subcommittee of the Scientific and Standardization Committee (The International Society on Thrombosis and Haemostasis; 1992 - 1995)
- Co-Editor of Thrombosis Research (1995 - 1999)
- Member of the scientific biochemistry advisory board for the Norwegian Research Council (1986-1989)
- Member of the advisory committee on Hyperbaric Medical Research Programme for the Norwegian Research Council (1990-1995)
- Co-chairman at the Institute of Medical Biology, University of Tromsø (1989-1991)
- Chairman at the Department of Biochemistry, Institute of Medical Biology, University of Tromsø (1989-1991 and 1994-1997)
- Received the International Society of Thrombosis and Haemostasis Distinguished Career Award for Contributions to Hemostasis at the XVIth Congress of The International Society on Thrombosis and Haemostasis in Florence, Italy, June 6-12, 1997.
- Chairman (President) of the Nordic Conference on Blood Coagulation in Tromsø, June 4-7, 1998.
- Honorary member of the Norwegian Biochemical Society, 1999
- President of SSC (ISTH) in 2006
- Received The Norwegian King's gold medal for merit, 2006
- Elected to the Council of the International Society on Thrombosis and Hamostasis 2006-2012.
- Editorial Board Member of Journal of Thrombosis and Haemostasis 2007-2012.
- Chairman of the Nordic Conference on Blood Coagulation in Tromsø, June 14-17, 2007.
- Actor in the movie "Far North" directed by Asif Kapadia. A British movie 2007.

**GRADUATED DOCTORAL CANDIDATES AND CO-SUPERVISOR (Dr. Med/Dr. Scient/Dr. Philos/PhD): 20**

**PUBLICATIONS:**

More than 200 publications in pre-reviewed journals and several chapters in books

## 20 selected papers from Østerud's list of publications:

**Bjarne Østerud** and Samuel I. Rapaport. Synthesis of intrinsic factor X activator. Inhibition of the function of formed activator by antibodies to factor VIII and to factor IX. *Biochemistry* 9: 1854-1861, 1970

**Bjarne Østerud**, Samuel I. Rapaport and Katherine K. Lavine. The factor V activity of platelets: Evidence for an activated factor V molecule and for a platelet activator. *Blood* 49: 819-834, 1977.

**Bjarne Østerud** and Samuel I. Rapaport. Activation of factor IX by the reaction product of tissue factor and factor VII: an additional pathway for initiating blood coagulation. *Proc. Natl. Acad. Sci.* 74: 5260-5264, 1977.

**Bjarne Østerud**, Bonno N. Bouma and John H. Griffin. Activation of human factor IX by human factor XI<sub>a</sub>, and characterization of the activated form (Factor IX<sub>a</sub>). *J. Biol. Chem.* 253: 5946-5951, 1978.

Uri Seligsohn, **Bjarne Østerud**, Stephen F. Brown, John H. Griffin and Samuel I. Rapaport. Activation of human Factor VII in plasma and in purified systems: Roles of activated Factor IX, kallikrein and activated Factor XII. *J. Clin. Invest.* 64: 1056-1065, 1979.

**Bjarne Østerud**, Carol K. Kasper, Christina Prodanos, Katherine K. Lavine and Samuel I. Rapaport. Purification and properties of abnormal Factor IX (Factor IX<sub>Bm</sub>)/Kinetics of its inhibitory effect in the activation of Factor X by Factor VII and bovine tissue factor. *Thrombosis and Haemostasis* 45: 55-59, 1981.

**Bjarne Østerud**, Ulf Lindahl and Rolf Seljelid. Macrophages produce blood coagulation factors. *FEBS Letters* 120: 41-43, 1980.

**Bjarne Østerud** and Trond Flægstad. Increased thromboplastin activity in monocytes of patients with meningo-coccal infection: Related to an unfavourable prognosis. *Thromb. Haemostas.* 49: 5-7, 1983.

**Bjarne Østerud**, Jan Ole Olsen and Alex Tindall. The generalized Schwartzman reaction: Effects of steroid and endotoxin on thromboplastin synthesis by monocytes. In: van Furth (ed). *Mononuclear phagocytes*. pp. 705-711, 1985.

**Bjarne Østerud**. Platelet activating factor enhancement of lipopolysaccharide induced tissue factor activity in monocytes: requirement of platelets and granulocytes. *J. Leuk. Biol.* 51: 462-465, 1992.

Hanne Halvorsen, Jan Ole Olsen and **Bjarne Østerud**. Granulocytes enhance LPS induced tissue factor activity in monocytes via an interaction with platelets. *J. Leuk. Biol.* 54: 275-282, 1993.

Charlotte Sissener Engstad, Øystein Rekdal, Jan Ole Olsen and **Bjarne Østerud**. A novel biological effect of platelet factor 4 (PF4): Enhancement of LPS-induced tissue

factor activity in monocytes. *J. Leuk. Biol.* 58:575-581, 1995.

Liv Tone Eliassen, Øystein Rekdal, John Sigurd Svendsen and **Bjarne Østerud**. Synthetic peptides from two different regions in TNF induce distinct effects on human blood cells. *Thromb. Haemost.* 83: 598-604, 2000

**Bjarne Østerud**, L. Vijaya Mohan Rao and Jan Ole Olsen. Effect of platelets, TNF and PMA on LPS-induced tissue factor antigen and activity in whole blood: Absence of tissue factor expression in granulocytes. *Thromb. Haemost.* 83: 868-873, 2000

Karl-Erik Eilertsen and **Bjarne Østerud**. The central role of thromboxane- and platelet activating-factors receptors in ex vivo regulation of endotoxin-induced monocyte tissue factor activity in human whole blood. *J. Endotoxin Research.* 8: 285-294, 2002

**Bjarne Østerud**, Eirik Bjørklid. The role of monocytes and platelets in atherogenesis. *Physiological Reviews* 83: 1069-1112, 2003.

Egorina EM, Sovershaev MA, Bjørkøy G, Gruber FX, Olsen JO, Parhami-Seren B, Mann KG, **Østerud B**. Intracellular and Surface Distribution of Monocyte Tissue Factor. Application to Intersubject Variability. *Arterioscler Thromb Vasc Biol.* 2005; 25(7):1493-8.

Egorina EM, Sovershaev MA, Kondratiev TV, Olsen JO, Tveita T, and **Østerud B**. Induction of Monocytic Tissue Factor Expression After Rewarming From Hypothermia In Vivo Is Counteracted by Heat Shock in c-Jun-Dependent Manner. *Arterioscler Thromb Vasc Biol.* 26: 2401-6, 2006.

Egorina EM, Sovershaev MA, Olsen JO, and **Østerud B**. Granulocytes do not express but acquire monocyte-derived tissue factor in whole blood: evidence for a direct transfer. *Blood* 111: 1208-16, 2008.

Ellevoll EO, Eilertsen KE, Brox J, Dragnes BT, Falkenberg P, Olsen JO, Kirkhus B, Lamglait A, and **Østerud B**. Seafood diets: Hypolipidemic and antiatherogenic effects of taurine and n-3 fatty acids. *Atherosclerosis* 200: 396-402, 2008.