

## CURRICULUM VITAE

### **Ellen Vibeke Thrane**

Født 25.juni 1960

Samboende med Malvin Bjørøy

Barn: Amalie, født 19.11.93 ,Sofie født 18.03.97

Bosted: Biterudv.21b, 1383 Asker

### **Utdannelse:**

1979 Eksamen artium, Eikeli vidrg. reallinjen.

1984 Bio-ingeniør, Oslo Ingeniørhøgskole

1990 Kurs i billedanalyse (30t), Universitetet i Oslo

1990 Cand. scient. eksamen i cellebiologi Hovedfagsoppgave: Histologisk kvantitering av celletap fra hornlaget i museepidermis, normalt og etter kreftfrembringende og ikke-kreftfrembringende hudirritamenter. Veiledet av prof. dr.med O.H.Iversen, Inst. for patologi, Rikshospitalet. Karakter: Oppgave 1.9, muntlig 2.4

1991 Kurs i confocal mikroskopi (24t), Bio Rad, England

1993 Molekylærbiologisk forskning UiO (37t) 2,5vt

1994 Nye metoder i cellulær toksikologi. NorFa, 2vt

1994 Molecular mechanisms of environmental mutagenesis and carcinogenesis. 20-25 Aug. Karolinska Inst. Stockholm, Sweden.

1994 Mekanismer for cellulær signaltransduksjon (35t) UiO 2vt

1994 Vitenskapsteori UiO

1996 Risk assessment- A practical approach to risk assessment for human health of new and existing chemicals. Folkehelse 3 dager.

1997 Kurs i EUSES, the European Union System for the Evaluation of Substances. Helsinki, Finland 1 dag.

1998-99 Ulike kurs i bruk av PC (Windows, Word, Powerpoint, Exel)

1999-00 Farmakologisk toksikologi (4vt) UiO

2001 EU kurs i Toksikologisk risikovurdering (14d) Wageningen, Nederland

2002 Dr Philos

2002 Giftinformasjonens opplæringsprogram i Klinisk toksikologi og risikovurdering ved akutte forgiftninger (3mnd)

2004 Kurs i klinisk kjemi (1d) Sosial og helsedirektoratet.

2004 Nordisk katastrofemedisinsk kongress (18t)

2005 Seminar on current developments in food risk assessments. VKM

2005 Nordic course in clinical toxicology (3d) Denmark

2006 Kurs i probabilistiske modeller for risikovurdering. VKM

2006 Kurs i Toksikologisk risikovurdering ved akutt eksponering av gravide og ammende (1d) SH-dir

## 2002 Godkjent som Eurotox registrert toksikolog

### Ansettelses:

- 1979 Assistent ved helseinst. Emma Hjorts Hjem (3år)  
1987-1988 Bio-ingeniør (LmK) Inst. for patologi, Rikshospitalet (1år)  
1990 Bio-ingeniør LIIPAT, Inst. for patologi, Rikshospitalet (4 1/2 mnd.)  
1991-1995 Utdannings stipendiat på prosjektet: "Tidlige indikatorer på lunge skade."  
Fagfelt toksikologi, Hemil (RMF), NFR, Statens institutt for folkehelse. (1994 svangerskaps permisjon)  
1995-1996 Avd. Ingeniør, avdeling for miljømedisin, Statens institutt for folkehelse.  
1996-1999 Forsker, avdeling for miljømedisin, Statens institutt for folkehelse.  
(1997 delvis svangerskaps permisjon)  
2000 Forsker, Farmasøytiskavd., Statens legemiddelverk  
2001 – 2004 Rådgiver, Giftinformasjonen, Sosial- og helsedirektoratet  
2004 Senior rådgiver, Giftinformasjonen, Sosial- og helsedirektoratet  
2005 Medlem av Vitenskapskomiteen for mattrygghet Fag gr 3

### Foreninger:

- 2003-d.d Styremedlem i toksikologiseksjonen i Norsk selskap for farmakologi og toksikologi (NSFT)

### Publikasjoner:

#### Articles:

- 1) Huitfeldt H.S., Heyden A., Clausen O.P.F., **Thrane E.V.**, Roop D. and Yuspa S.H. (1991) Altered regulation of growth and expression of differentiation-associated keratins in benign mouse skin tumors. *Carcinogenesis* vol.12, no 11 pp 2063-2067.
- 2) Huitfeldt H.S., Heyden A., Skarpen E., **Thrane E.V.** and Schwarze P.E. (1994) Gene activation studied by immunological methods. *Env. Health Persp.* vol.102 suppl.6 205-207
- 3) Heyden A., Lutzow-Holm C., Clausen OPF, **Thrane EV**, Roop D. Youspa SH, Huitfeldt HS. Application of cantharidine or 12-O-tetradecanoyl phorbol-13-acetate on mouse epidermis induces a cell population shift that causes altered keratin distribution. *Differentiation* (1994) 57:187-193
- 4) Schwarze P.E., Johnsen N.M., Samuelson J.T., **Thrane E.V.**, Lund K., Låg M. Refsnes M. Kongerud J., Becher R., Boe J., Holme J.A. and Wiger R. The use of isolated lung cells in *in vitro* pulmonary toxicology: study of DNA damage, apoptosis and alteration of gene expression. *Central Europ. J. Public Health.*4 (1996) Suppl.6-10
- 5) Huitfeldt H.S., Skarpen E., Lindeman B., Becher R., **Thrane E.V.** and Schwarze P.E. Differential distribution of Met and epidermal growth factor receptor in normal and carcinogen-treated rat liver. *J.Histochemistry and cytochemistry. J.Histochem.Cytochem.* (1996) vol.44:3, 227-233

- 6) **Thrane E.V.**, Becher R, Låg M, Refsnes M., Huitfeldt H.S. and Schwarze P.E. Differential distribution and increased levels of ras proteins during lung development. *Exp. Lung Res.* (1997) vol.23:1, 35-51
- 7) Låg M, Skarpen E, van Rozendaal BAWM, Haagsman HP, Huitfeldt HS, **Thrane EV**, Schwarze PE (2000): Cell specific expression of CCAAT/enhancer binding protein  $\delta$  (C/EBP $\delta$ ) in epithelial lung cells. *Exp lung Res* 26:383-399.
- 8) **Thrane EV**, Schwarze PE, Thoresen GH, Låg M, Refsnes M (2001): Persistent versus transient MAP-kinase (ERK)activation in the proliferation of lung epithelial type 2 cells. *Exp lung Res* 27:387-400.
- 9) Schwarze PE, Låg M, Becher R, **Thrane EV**, Samuelsen JT, Hetalnd RB, Refsnes M (2000): Role of signal transduction pathways in lung inflammatory responses. *Tox. Lett* (112-113) 165-170.
- 10) Refsnes M, **Thrane EV**, Lag M, Hege Thoresen G, Schwarze PE.(2001) Mechanisms in fluoride-induced interleukin-8 synthesis in human lung epithelial cells. *Toxicology*. Oct 15;167(2):145-58.
- 11)**Thrane EV**, Refsnes M, Thoresen GH, Låg M, Schwarze PE (2001) Fluoride-induced apoptosis in epithelial lung cells involves activation of MAP kinases p38 and possibly JNK *Toxicol Scienc* 61:83-91.
- 12) Samuelsen JT, Schwarze PE, Huitfeldt HS, Thrane V, Lag M, Refsnes M, Skarpen E, Becher R. (2006) Regulation of rat alveolar type 2 cell proliferation in vitro involves type II cAMP-dependent protein kinase. *Am J Physiol Lung Cell Mol Physiol*. Sep 15;

#### **Abstracts:**

- 1) Henrik S. Huitfeldt, Ole Petter F. Clausen, **E. Vibeke Thrane**, Dennis Roop, Stuart H. Yuspa and Per Brandtzæg (1987). Cell Cycle and differentiation kinetics of normal mouse epidermis studied by BrdU labling and monospecific antibodies to epidermal keratins. XV<sup>th</sup> Meeting of the European Study Group for Cell Proliferation. Sundvollen, Norge
- 2) **E. Vibeke Thrane**, Henrik S. Huitfeldt, Ole Petter F.Clausen, Dennis Roop and Stuart H. Yuspa (1988). Differentiation and proliferation kinetics of normal and TPA-treated mouse epidermis. Biokjemisk kontaktmøte, Norsk Biokjemisk Selskap, 114, Beitostølen.
- 3) **E. Vibeke Thrane**, Henrik S. Huitfeldt, Ole Petter F. Clausen, Per Brandtzæg, Dennis Roop and Stuart H. Yuspa (1988). Regeneration induced effects on differentiation kinetics in mouse epidermis. *Cytometry*, suppl. 2, No 362, p. 46.
- 4) Olav H. Iversen, Helle K. Knutsen and **E. Vibeke Thrane** (1989). Measuring the cell loss from the epidermal surface using Dansyl Chloride. 16<sup>th</sup> Meeting European Study Group for

Cell Proliferation. Milano, Italy.

- 5) **E. Vibeke Thrane**, Olav H.Iversen and Henrik S. Huitfeldt (1990). Cell loss from stratum corneum measured by computerized fluorescent image analysis. Cytometry, suppl. 4, No 398C, p. 64.
- 6) **E. Vibeke Thrane**, Olav H.Iversen and Henrik S. Huitfeldt (1990). Dansylchloride used for measuring cell loss from mouse epidermis. 17th Meeting European Study Group for Cell Proliferation. Helsinki, Finland.
- 7) C. Lutzow-Holm, H.S. Huitfeldt, O.P.F. Clausen, **E.V. Thrane**, D. Roop and S. Yuspa (1990). Altered expression of differentiation-associated keratins in mouse skin papilomas. 17th Meeting European Study Group for Cell Proliferation. Helsinki, Finland.
- 8) H. S. Huitfeldt, **E.V. Thrane**, P. Brandtzaeg and M. Poirier (1991). Postreplicative aminofluorene-DNA adduct formation in rat liver during continuous 0.02% AAF feeding. American association for cancer research, Houston, Texas, USA
- 9) **E. V. Thrane**, P. Brandtzaeg, M.C. Poirier and H.S. Huitfeldt. (1991) Aminofluorene-DNA adduct formation in rat liver following DNA replication. Vintermøte for Norsk selskap for farmakologi og toksikologi, Lillehammer.
- 10) E. Skarpen, **E.V. Thrane**, B.F. Landmark, P.E. Schwarze, T. Jansen and H. Huitfeldt. (1991) Expression of the regulatory unit, R1 $\alpha$ , of cAMP - dependent protein kinase during liver regeneration and tumor promotion. The first joint meeting of the American association for cancer research and European association for cancer research, St.Margherita, Italy.
- 11) H.S. Huitfeldt, **E.V. Thrane**, P. Brandtzaeg and M. Poirier. (1992) Aminofluorene-DNA Adducts in Replicating Rat Liver Cells during Continuous 0.02% Acetylaminofluorene feeding. Nordic symposium on the use of adducts and mutations in risk assessment. Øyer, Norway.
- 12) A. Heyden, H.S. Huitfeldt, O.P.F. Clausen, **E.V. Thrane**, P. Brandtzaeg, D. Roop and S.H. Yuspa. (1992) Shorter transit time could explain reduced expression of differentiation-associated keratins K1 and K10 in hyperproliferative epidermis. 83.meeting of American association for cancer research, San Diego, USA.
- 13) E.Skarpen, **E.V. Thrane**, B.F.Landmark, P.E. Schwarze, T.Jansen and H.S. Huitfeldt.(1992) The regulatory unit, R1 $\alpha$ , of cAMP-dependent protein kinase in rat liver carcinogenesis. 83. meeting of American association for cancer research, San Diego, USA.
- 14) R.Becher, M.Låg, H.S. Huitfeldt, **E.V. Thrane**, J.Lund and P.E.Schwarze. (1992) Differential expression of pcb binding protein and cytokeratins in freshly isolated and cultured rat lung cells. VI Int. Congress of toxicology, Rome, Italy.
- 15) M.Låg, R.Becher,A. Michalsen, **E.V. Thrane**, J.T.Samuelsen, T.Skuland, E.Lilleaas and P.E.Schwarze. (1993) P450 isoenzymes in freshly isolated and proliferating Clara and type II cells from rat lung. Norwegian society of farmacology and toxicology annual meeting, Beito, Norway.

- 16) R. Becher, J.E.Dahl, **E.V.Thrane**, H.S.Huitfeldt, M.Låg and P.E.Schwarze. (1993) Morphological changes in the nasal and pulmonary regions of rats after exposure to the tobacco specific carcinogen 4(metylnitrosamino)-1-(puridyl)-1-butanone (NNK). Norwegian society of farmacology and toxicology annual meeting, Beito, Norway.
- 17) E.Skarpen, **E.V.Thrane**, P.E.Schwarze, R.Becher, E.Lilleaas, M.Låg and H.S.Huitfeldt. (1993) Expression of some transcription factors during rat liver regeneration. Norwegian society of farmacology and toxicology annual meeting, Beito, Norway.
- 18) M.Låg, R.Becher, A.Michalsen, **E.V.Thrane**, R.Toftgård and P.E.Schwarze. (1993) P450 isozymes in freshly isolated and proliferating rat lung cells. Society of toxicology annual meeting. New Orleans, USA.
- 19) **E.V.Thrane**, R.Becher, M.Låg, H.S. Huitfeldt and P.E.Schwarze. (1993) Differential expression of some oncogenes in lung tissue from rats at different developmental stages. Society of toxicology, annual meeting. New Orleans, USA.
- 20) **E.V.Thrane**, M.Låg, R.Becher, H.S.Huitfeldt and P.E.Schwarze. (1993) Expression of some oncogenes and differentiation markers in proliferating primary rat lung cells. American accociation of cancer research, annual meeting Orlando, USA.
- 21) P.E.Schwarze, **E.V.Thrane**, J.T.Samuelsen, R.Becher, H.S.Huitfeldt, E.Skarpen and M.Låg. (1993) Expression of some protooncogenes in primary proliferating Clara cells and Type II cells from rat lung. *Pharmacol Toxicol* 73:suppl II, 69.
- 22) E.Skarpen, **E.V.Thrane**, P.E.Schwarze, R.Becher, M.Låg and H.S.Huitfeldt. (1993) Regulated expression of AP-1 proteins, C/EBP and CREB during rat liver regeneration. Joint Conference of EACR and AEK on hepatocarcinogenesis, Heidelberg, Germany.
- 23) **E.V.Thrane**, M.Låg, J.T.Samuelsen, R.Becher, M.Refsnes, H.S.Huitfeldt and P.E.Schwarze. (1994) Expression of ras and erk-2 in proliferating lung cells. Huddinge, Sweden.
- 24) **E.V.Thrane**, M.Låg, J.T.Samuelsen, R.Becher, M.Refsnes, T.Skuland and P.E.Schwarze. Expression of ras and erk-2 in proliferating epithelial lung cells. (1995) Norwegian society of farmacology and toxicology, annual meeting, Beito, Norway.
- 25) Schwarze P.E., Johnsen N., Samuelsen J.T., **Thrane E.V.** Lund K., Låg M., Refsnes M. Kongerud J., Becher R., Boe J., Holme J.A. and Wiger R. Apoptosis, DNA damage and alterations in gene expression in isolated lung cells. BALR/BIOMED Spring Meeting, Leicester, England.
- 26) E.Skarpen, B.Lindeman, **E.V.Thrane**, R.Becher, P.E.Schwarze and H.S.Huitfeldt. (1995) Distribution of Met and epidermal growth factor receptor in carcinogen-altered rat liver. American accociation of cancer research, annual meeting, USA
- 27) R.Becher, J.E.Dahl, **E.V.Thrane**, H.Huitfeldt, M.Låg, R.Beems, L. van Bree and P.E. Schwarze. (1995) Pulmonary expression of ras and keratin in rats sacrificed at various stages

after 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) exposure. Society of toxicology, annual meeting Seattle, USA.

28) **E.V.Thrane**, M.Låg, M.Refsnes, R.Becher and P.E.Schwarze. (1995) Stimulatory effect of EGF on the ras/map-kinase pathway in proliferating type 2 cells. Eurotox, Praha, Czech republic.

29) **E.V.Thrane**, Johnsen N., Refsnes M., Wiger R., Holme J.A. and Schwarze P.E. Spontaneously and chemically induced cell death in freshly isolated lung cells. (1996)Norwegian society of pharmacology and toxicology, annual meeting, Beito, Norway.

30) **E.V. Thrane**, P.Schwarze, H.Thoresen, M. Låg, R.Becher and M. Refsnes) Proliferation of alveolar pneumocytes (type 2 cells) is associated with sustained activation of MAP-kinase.(1999) Eurotox 99, Oslo, Norway.

31)**E.V.Thrane**, Refsnes M , Thoresen G.H., Låg M. and Schwarze P.E Role of MAP kinases in fluoride-induced cell proliferation and apoptosis in A549 cells. (2000) Norwegian society of pharmacology and toxicology, annual meeting, Beito, Norway

32) M.Refsnes, M. Låg, T. Skuland, **E.V.Thrane**, J.T.Samuelsen and P.E. Schwarze Mechanisms of fluoride induced apoptosis in human lung epithelial cells (A549). (2000) Norwegian society of pharmacology and toxicology, annual meeting, Beito, Norway

33) M.Refsnes, M. Låg, T. Skuland, **E.V.Thrane**, H.J.Dahlman, R.Becher and P.E. Schwarze. Mechanisms of fluoride-induced IL-8 production and apoptosis in human lung epithelial cells (A549). Norwegian society of pharmacology and toxicology, annual meeting, (2002) Beito, Norway

34) Solberg K, **Thrane EV**, Thorud LO, Rygnestad T Poisoning with Seristrip liquid. Oral presentation NAPC meeting, Island

35) **Thrane EV**, Solberg K, Thorud LO, Rygnestad T Ocular toxicity caused by iodates. Norwegian society of pharmacology and toxicology, annual meeting, (2003) Beito, Norway

36) Solberg K, **Thrane EV**, Thorud LO, Rygnestad T Blindness after poisoning with sodium metaperiodate (seristrip liquid) Annual meeting of EAPCCT (2003) Rome, Italy

37) **Thrane V**, Mohn Jenssen K, Borgeraas J. Identification of mushrooms in poison centres and the use of mycologists and digital imaging. EAPCCT XXVI International Congress, Prague 19-21 April 2006 .

38) **Thrane EV**. Quality assurance in the Norwegian poison center. NAPC sept. 2006 Denmark