

UiT

**THE ARCTIC
UNIVERSITY
OF NORWAY**

Professor Martin Eisemann, PhD
UiT The Arctic University of Norway in Tromsø
Faculty of Health Sciences,

Expectations for the 1st call under the Baltic Research
Programme



Bio sketch

- 1972 - 1975 University of Würzburg (DE): psychology
- 1975 - 1978 Umeå University, (SE): psychology
- 1978 - 1985 Umeå University, research training in psychiatry
- 1985 Dr. med. sc. (PhD in Psychiatry), Umeå University
- 1987 Associate Professor (Medical Psychology), habil.
- 2000 Professor (Medical psychology), Umeå University
- 2001 Professor (Psychology), University of Tromsø
- 1992-2001 Consultant at WHO Geneva
- 1996 → Expert reviewer at European commission
- 2015 → Member EEA programme committee
- 2010-15 Visiting fellow: Australian National University in Canberra
- 2017 → Evaluator: Ministry of Education (MSMT), Czech Republ.
- 2017 → Reviewer: National Medical Research Council Singapore
- 231 publications in peer-reviewed journals. **H-index:47** (Oct 2018)



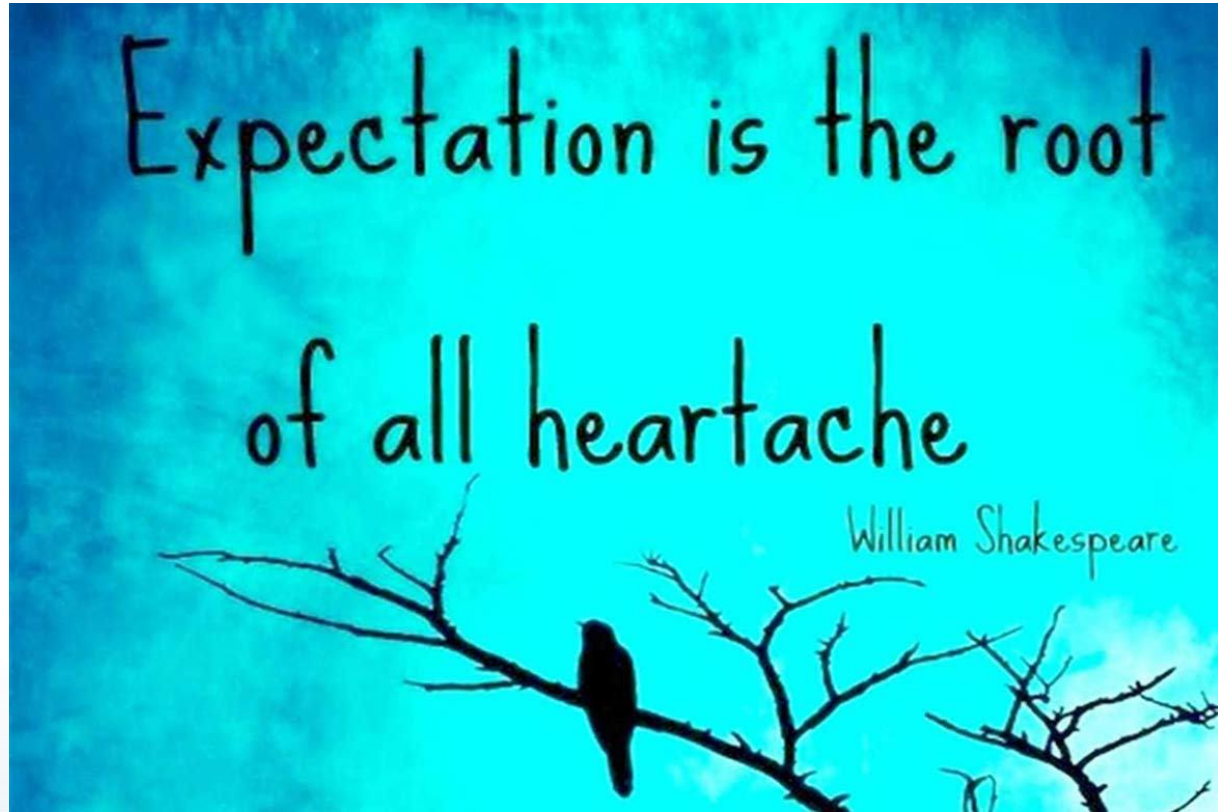






Expectations: (defin.)

“a strong belief that something will happen or be the case”



Public health, translational medicine, health technologies

- incorporate genetic information into the medical system.....
Developing clinical treatment guidelines and technical solutions for disseminating genetic information to the doctor as well as to the patient.
---- Personalized medicine(Genome center Univ Tartu)
- ICT solutions for improving diagnostics
- Increasing public acceptance of the family doctor system as the center of health care delivery

Migration, social inclusion

- Adoption of sophisticated migration governance strategies based on policy priorities, while ensuring that measures addressing forced migration are compliant with human rights and refugee law.
- Research on measures (e.g. incentives) on return migration
- Improving social consciousness for well-being and social inclusion

Regional cyber security and public security

- Data analysis solution, allowing governments to make decisions based on numbers and facts, instead of mere intuition and experience, and by utilising existing data in a secure manner..... performing of analysis while the data stays encrypted – thus, technically invisible – preventing any misuse of private data. (Cybernetica)

National Cyber Security Index for cybersecurity policy and analysis of cyber threats

Ranking

Rank	Country	National Cyber Security Index	Digital Development Level	Difference
1.	 France	83.12 	79.06 	4.06
2.	 Germany	83.12 	81.95 	1.17
3.	 Estonia	81.82 	79.27 	2.55
4.	 Slovakia	80.52 	66.73 	13.79
5.	 Finland	79.22 	82.26 	-3.04
6.	 Lithuania	77.92 	70.95 	6.97
7.	 Spain	77.92 	73.24 	4.68
8.	 United Kingdom	75.32 	83.96 	-8.64
9.	 Switzerland	75.32 	85.13 	-9.81
10.	 Czech Republic	74.03 	69.37 	4.66
11.	 Malaysia	72.73 	66.90 	5.83
12.	 Latvia	72.73 	70.59 	2.14

Environmentally friendly solutions

- Impact of new types of electricity generating patterns onto high voltage equipment and cable insulations
- Solutions for daylight and solar shading for nearly zero energy buildings in cold climates. (TTÜ)
- Green chemistry research for sustainable development

Regional economic development, employment, labour market regulations and social policy

- Research in governmental policies and support concerning eco-innovation
- Effect of labour market regulations on labour market flexibility
- Determinants of gender wage differences in the Baltic states

More effective use of resources

- Solutions of rainwater usage for domestic hot water production in buildings
- revolutionary power conversion technology intended for the residential and small commercial photovoltaic (PV) applications
- developing new materials for solar cells and design developments (mono-powders, nanomaterials, thin films)
- Energy and resource efficiency improvement in buildings
- Creation of health promoting food products and their benefits
- Innovative construction, e.g. “smart house”; smart energy

GREAT EXPECTATIONS

BY
CHARLES DICKENS.

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MDCCCLXI.

[The right of translation is reserved.]

General expextancies

- Stimulate research co-operation between the Baltic States and the donor states (NO, IS, LI)
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- Enhancing quality of research
 - Increasing exchange of researchers
 - Synergy effects in projects by merging complementary competencies
 - *Joint* articles published in peer-reviewed journals
 - *Joint* applications for further funding (eg. EU framework programme)
 - *Jointly* registered applications for Intellectual Property Protection
 - Establishing personal ties with researchers
 - Establish links between the business community and academia across countries