

List of publications

A. Previewed articles in scientific articles

1. **Heinonen Tuula** and Vainio Harri: Vinyltoluene induced changes in xenobiotic-metabolizing enzyme activities and tissue glutathione content in various rodent species. *Biochem. Pharmacology*, 29, 2675-2679, 1980.
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29. **Heinonen Tuula**. Better science with human cell-based organ and tissue models (Björn Ekwall Memorial Award Lecture). Atla, 43, 1-10, 2015.

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6. Hietanen Eino, Bereziat Jean-Claude, Heinonen Tuula and Bartsch Helmut: Dependence of lipid peroxidation in isolated rat hepatocytes on glutathione contents. In: Icosanoids and Cancer, (Eds. H. Thaler-Dav et al.), Raven Press, New York, pp. 259-262, 1984.
7. Heinonen Tuula, Kaukanen Esko, Huttunen Tapani, Tiisanen Tapani, Tuunanen Jukka, Vanne Liisa and Partanen Paul: A fully automated analyzer, Bioscreen, for microbiological work. In: Rapid Methods and Automation in Microbiology and Immunology (Eds. A. Balows, R.C. Tilton, A. Turano) Brixia Academic Press Brescia, Italy, pp. 688-697, 1989.
8. Salonen H, Heinonen T, Mannerström M, Jackson M, Andesson M, Mikkola R, Kurnitski J, Khurshid S, Novoselac A, Corsi R. Assessing indoor air toxicity with condensate collected from air using the mitochondrial activity of human BJ fibroblasts and THP-1 monocytes. Accepted to the 15th Conference of the International Society of Indoor Air Quality & Climate (ISIAQ) Philadelphia, PA, USA, July 22 to 27, 2018. Paper ID: 330.
9. Heinonen Tuula and Verfaillie Catherine. Key technologies and tools. In: History of Alternative Test Methods in Toxicology. (Eds. Michael Balls, Robert Combes and Andrew Worth), Academic Press, 2019.
10. Mannerström Marika, Ahoniemi Jonna, Aattela Eliisa, Tuula Heinonen. Solutoksisuuden testaus sisäilmasta kerätystä huurrevesinäytteestä. Sisäilmastoseminaari 2019.

B Non-refereed scientific articles

1. Sorsa Marja, · Donner Maria, Falck Kai, ·Heinonen Tuula, Hemminki Kari, Husgafvel-Pursiainen Kirsti,· Lindbohm Marja-Liisa,·Mäki-Paakkanen Jorma,· Norppa Hannu ja· Vainio. Harri.· Työperäisen kemiallisen altistumisen genotoksiset vaikutukset. Työterveyslaitoksen tutkimuksia (ISSN 0783-4098), Vol. 1, 01/1983: pages 171-91

2. Heinonen Tuula. Bioscreen - Täysiautomaattinen analyysisysteemi mikrobiologiseen työskentelyyn. Inocula 2, 6-7, 1988.
 3. Tähti Hanna ja Tuula Heinonen. Vaihtoehtoiset menetelmät kemikaalien turvallisuustestauksessa. Solubiologi 2-2010.
 4. Tuula Heinonen ja Marika Mannerström. Eläinkokeille vaihtoehtoisten menetelmien kehittäminen, optimointi ja validointi. Solubiologi 2-2010.
 5. Jertta-Riina Sarkanen ja Tuula Heinonen. *In vitro* -verisuonimallin validointi. Solubiologi 2-2010.
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C Scientific books (monographs)

No

D. Publications intended for professional communities

Most of my work history I have worked in pharmaceutical industry as a toxicologist or in other positions related to drug development (years 1990 – 2007). The results from this work have not been published in scientific articles but they have been reported as internal reports. The reports follow the structure of scientific publication although they are much more detailed. The results of the studies and the reports have been included in the regulatory documentation for marketing approval of pharmaceuticals.

When working in the pharmaceutical industry I have been responsible for conduct and report of the following studies according to the relevant regulatory requirements:

- Clinical studies: 2 phase IIa (healthy volunteers) studies and one phase IIb study (patient study)
- GLP (Good Laboratory Practice) non-clinical studies in pharma industry: 42
- Mechanistic non-clinical studies (mostly in vitro) in pharma industry: 10 studies

F Public artistic and design activities

No

G Theses

Heinonen Tuula: Metabolism of vinyltoluene: Formation of electrophilic intermediates and their detoxification. Academic Dissertation, University of Turku, Finland, 1983.