



## Curriculum Vitae

### Personal information **Timo Mauriala**

#### Work experience

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January 1st 2018 - present, Head of unit, Finnish Medicines Agency

- Management of Availability and Laboratory Unit

August 1st 2013 - December 31st 2017, Senior researcher, Finnish Medicines Agency

- Supervision of quality control monitoring of medicinal products

January 1st 2011 - July 31st 2013, Researcher, Orion Pharma, Finland

- LC-MS expert, pharmaceutical research

#### Education and training

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December 2007 Ph.D in Pharmacy, Faculty of Pharmacy, University of Kuopio, Finland

January 2004 Master of Science in Pharmacy, University of Kuopio, Finland

May 1999 Bachelor of Science in Pharmacy, University of Kuopio, Finland

#### Additional information

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##### Publications

1. Mauriala T, Auriola S, Azhayeve A, Kayushin A, Korosteleva M, Miroshnikov A. HPLC electrospray mass spectrometric characterization of trimeric building blocks for oligonucleotide synthesis, *Journal of Pharmaceutical and Biomedical Analysis* 34; 199-206, **2004**
2. Mauriala T, Herzig K, Heinonen M, Idziak J, Auriola S. Determination of long-chain fatty acid acyl-coenzyme A compounds using liquid chromatography-electrospray ionization tandem mass spectrometry. *Journal of Chromatography B* 808; 263-268, **2004**
3. Palmgren J, Töyräs A, Mauriala T, Mönkkönen J, Auriola S. Quantitative determination of cholesterol, sitosterol and sitostanol in cultured Caco-2 cells by liquid chromatography-atmospheric pressure chemical ionization mass spectrometry. *Journal of Chromatography B* 821; 144-152, **2005**
4. Mauriala T, Charet N, Oballa R, Nicoll-Griffith D, Bateman K. A strategy for identification of drug metabolites using dried blood spots using triple quadrupole-linear ion trap hybrid mass spectrometry. *Rapid Communications in Mass Spectrometry* 19; 1984-1992, **2005**
5. Wrona M, Mauriala T, Bateman K, Mortishire-Smith R, O'Connor D. "All-in-One" Analysis for Metabolite Identification Using LC/QqTOFMS with Collision Energy Switching. *Rapid Communications in Mass Spectrometry* 19; 2597-2602, **2005**
6. Kapron J, Wu J, Mauriala T, Clark P, Purves R, Bateman K. Simultaneous analysis of prostanoids using liquid chromatography/high-field asymmetric waveform ion mobility spectrometry/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry* 20; 1504-1510, **2006**
7. Pärssinen O, Leppänen E, Keski-Rahkonen P, Mauriala T, Dugue B, Lehtonen M. Influence of tamsulosin on the iris and its implications for cataract surgery. *Invest Ophthalmol Vis Sci* 47; 3766-3771, **2006**
8. Keski-Rahkonen P, Mauriala T, Lehtonen M, Auriola S. Determination of tamsulosin in human aqueous humor and serum by liquid chromatography-electrospray ionization tandem mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis* 17; 606-612, **2007**
9. Volmer D, Sleno L, Bateman K, Sturino C, Oballa R, Mauriala T, Corr J. Comparison of MALDI to ESI on a triple quadrupole platform for pharmacokinetic analyses. *Analytical Chemistry* 79; 9000-9006, **2007**
10. Raunio H, Pokela N, Puhakainen K, Rahnasto M, Mauriala T, Auriola S, Juvonen R. Nicotine metabolism and urinary elimination in mouse : in vitro and in vivo. *Xenobiotica*, 38; 34-37, **2008**
11. Oikari S, Ahtialansaari T, Heinonen MV, Mauriala T, Auriola S, Kiehne K, Fölsch U, Jänne J, Alhonen L, Herzig K. Downregulation of PPARs and SREBP by acyl-CoA-binding protein overexpression in transgenic rats. *Pflugers Archiv: European journal of physiology*, 456; 369-377, **2008**
12. Viitanen A-K, Mauriala T, Mattila T, Adamov A, Pedersen C, Mäkelä J, Marjamäki M, Sysyov A, Keskinen J, Kotiaho T. Adjusting mobility scales of ion mobility spectrometers using 2,6-DtBP as a reference compound. *Talanta*, 76; 1218-1223, **2008**
13. Pedersen C, Lauritsen FR, Sysyov A, Viitanen AK, Mäkelä J, Adamov A, Laakia J, Mauriala T, Kotiaho T. Characterization of Proton-Bound Acetate Dimers in Ion Mobility Spectrometry. *Journal of the American Society for Mass Spectrometry*, 9; 1361-1366, **2008**
14. Stenman S, Venäläinen J, Lindfors K, Auriola S, Mauriala T, Kaukovirta-Norja A, Laurila K, Männistö P, Kaukinen K, Mäki M. Proteases from germinating wheat decrease the toxic effects of celiac disease-inducing wheat gliadin. *Annals of Medicine* 41; 390-400, **2009**
15. Linnankoski J, Mäkelä J, Palmgren J, Mauriala T, Vedin C, Ungell A, Lazorova L, Artursson P, Urtti A,

- Yliperttula M. Paracellular porosity and pore size of the human intestinal epithelium in tissue and cell culture models. *Journal of Pharmaceutical Sciences*, 99;2166-2175, **2010**
16. Adamov A, Mauriala T, Teplov V, Laakia J, Pedersen C, Kotiaho T, Sysoev A. Development of high resolution drift tube ion mobility spectrometer with multimode atmospheric pressure ion source. *International Journal of Mass Spectrometry*, 298; 24-29, **2010**
  17. Manevski N, Kurkela M, Höglund C, Mauriala T, Court M, Yli-Kauhaluoma J, Finel M. Glucuronidation of psilocin and 4-hydroxyindole. *Drug Metabolism and Disposition*, 38; 386-389, **2010**
  18. Stenman SM, Lindfors K, Venäläinen JI, Hautala A, Männistö PT, Garcia-Horsman JA, Kaukovirta-Norja A, Auriola S, Mauriala T, Mäki M, Kaukinen K. Degradation of coeliac disease-inducing rye in secalin by germinating cereal enzymes: diminishing toxic effects in intestinal epithelial cells. *Clinical and Experimental Immunology*, 161; 242-249, **2010**
  19. El-Najjar N, Ketola R, Nissilä T, Mauriala T, Antopolsky M, Jänis J, Gali-Muhtasib H, Urtti A, Vuorela H. Impact of protein binding and on the analytical detectability and anti-cancer activity of thymoquinone. *Chemical Biology*, 4; 97-107, **2011**
  20. Ketola R, Mauriala T. Mass spectrometric tools for cell and tissue studies. *European Journal of Pharmaceutical Sciences*, 46; 293-314, **2012**

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