

**Dr. rer. nat. Jürgen Schiller**

University of Leipzig, Medical Faculty  
Institute of Medical Physics and Biophysics  
Liebigstr. 27, D-04103 Leipzig, Germany  
Tel.: +49-341-9715733 Fax: +49-341-9715709  
e-mail: juergen.schiller@medizin.uni-leipzig.de

**Home:**

Täubchenweg 51  
D-04317 Leipzig  
Germany  
Tel.: +49-341-6993108  
Mobile: +49-162-8215481

**LIST OF SELECTED PUBLICATIONS****(2003-2009)**

1. Nimptsch, A., Schnabelrauch, A., Fuchs, B., Schiller, J.: Characterization of the quantitative relationship between signal-to-noise (S/N) ratio and sample amount on-target by MALDI-TOF MS: Determination of chondroitin sulfate subsequent to enzymatic digestion. *Anal. Chim. Acta*, *in press*.
2. Jaskolla, T., Fuchs, B., Karas, M., Schiller, J.: The new Matrix 4-Chloro- $\alpha$ -Cyanocinnamic Acid allows the Detection of Phosphatidylethanolamine Chloramines by MALDI-TOF Mass Spectrometry. *J. Am. Soc. Mass Spectrom.*, *in press*.
3. Fuchs, B., Schürenberg, M., Süß, R., Suckau, D., Schiller, J.: Combined TLC-MALDI Analysis of Lipids. *J. Planar Chromatogr.*, *in press*.
4. Fuchs, B., Schiller, J.: Lysophospholipids: Their generation, physiological role and detection. Are they important disease markers? *Mini-Rev. Med. Chem.*, *in press*.
5. Fuchs, B., Süß, R., Nimptsch, A., Schiller, J.: Matrix-assisted laser desorption and ionization time-of-flight mass spectrometry (MALDI-TOF MS) directly combined with thin-layer chromatography (TLC) - A review of the current state. *CHROMATOGRAPHIA*, *in press*.
6. Fuchs, B., Bondzio, A., Wagner, U., Schiller, J.: Phospholipid compositions of sera and synovial fluids from dog, human and horse: a comparison by  $^{31}\text{P}$ -NMR and MALDI-TOF MS. *J. Anim. Physiol. Anim. Nutr.*, *in press*.
7. Bunge, A., Windeck, A.-K., Pomorski, T., Schiller, J., Herrmann, A., Huster, D., Müller, P.: Biophysical characterization of a new phospholipid analogue with a spin-labeled unsaturated fatty acid chain. *Biophys. J.*, **96** (2009) 1008-1015.
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11. Fuchs, B., Schiller, J., Süß, R., Zscharnack, M., Bader, A., Müller, P., Schürenberg, M., Becker, M., Suckau, D.: Analysis of Stem Cell Lipids by Offline HPTLC-MALDI-TOF MS. *Anal. Bioanal. Chem.* **392** (2008) 849-860.

12. Fuchs, B., Schober, C., Richter, G., Nimptsch, A., Süß, R., Schiller, J.: The Reactions between HOCl and differently saturated Phospholipids: Physiological Relevance, Products and Methods of Evaluation. *Mini-Rev. Org. Chem.* **5** (2008) 254-261.
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14. Fuchs, B., Schiller, J.: MALDI-TOF MS analysis of lipids of cells and body fluids. *Subcellular Biochemistry (Lipids in Health and Disease)*, Quinn, P.J. and Wang, X., Eds). Volume 48, 2008, pp. 541-565.
15. Fuchs, B., Arnold, K., Schiller, J.: Mass spectrometry of biological molecules. In: *Encyclopedia of Analytical Chemistry* (ed. by Meyers, R.A.), John Wiley & Sons Ltd., Chichester, 2008, pp. 1-39.
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