

**List of Publications Peter Lasch**  
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**accepted / in press**

1. Lasch P, Noda I. Two-dimensional correlation spectroscopy for multimodal analysis of FT-IR, Raman and MALDI-TOF MS hyperspectral images with hamster brain tissue. *Anal Chem.* in press. doi: 10.1021/acs.analchem.7b00332

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2. Amenabar I, Poly S, Goikoetxea M, Nuansing W, Lasch P, Hillenbrand R. Hyperspectral infrared nanoimaging of organic samples based on Fourier transform infrared nanospectroscopy. *Nat Commun.* **2017.** 8: 14402.
3. Srivastava S, Katorcha E, Daus ML, Lasch P, Beekes M, Baskakov IV. Sialylation controls prion fate in vivo. *J Biol Chem.* **2017.** 292(6): 2359-2368.
4. A. Hermelink, D. Naumann, P. Lasch, M. Laue, Hermann P. Towards a correlative approach for characterising single virus particles by transmission electron microscopy and nanoscale Raman spectroscopy. *Analyst.* **2017.** 142(8): 1342-1349.
5. Vater J, Herfort S, Doellinger J, Weydmann M, Dietel K, Lasch P. Fusaricidins from *Paenibacillus polymyxa* M-1, a family of lipohexapeptides of unusual complexity- a mass spectrometric study. *J Mass Spectrom.* **2017.** 52(1): 7-15.

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6. Lasch P, Jacob D, Grunow R, Schwecke T, Doellinger J. Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF MS for the identification of highly pathogenic bacteria. *TrAC - Trends in Analytical Chemistry.* 85, Part B (Trends in CBRN Measurements for safety and security): **2016.** 103–111.
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8. Stern D, Richter M, Schrick L, Lasch P, Keeren K, Polleichtner A, Lemmer K, Nitsche A, Grunow R, Herzog C, Dorner BG, Schaade L, Vor-Ort-Nachweis bioterroristisch relevanter Agenzien. *Bundesgesundheitsblatt - Gesundheitsforschung – Gesundheitsschutz.* **2016.** 59(12): 1577-1586.

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12. Goodacre R, Sergo V, Barr H, Sammon C, Schultz Z, Baker M, Graham D, Marques MP, Sule-Suso J, Livermore J, Faulds K, Sinjab F, Matousek P, Campbell C, Dluhy R, Gardner P, Phillips C, Diem M, Wood B, Apolonskiy A, Kazarian S, Fullwood L, Gough K, Petrich W, Lloyd G, Ibrahim O, Cinque G, Sockalingum G, Stone N, Kendall C, McAughtrie S, Perez-Guaita D, Clark L, Gerwert K, Bonifacio A, Notingher I, Lasch P, Bhargava R, Lepert G, Mader K, Paterson C. Clinical Spectroscopy: General Discussion. *Faraday Discuss.* **2016.** 187: 429-460.
13. Lasch P, Jacob D, Klee SR, Werner G, Discriminatory power of MALDI-TOF mass spectrometry for phylogenetically closely related microbial strains. In: Applications of Mass Spectrometry in Microbiology: From Strain Characterization to Rapid Screening for Antibiotic Resistance. Editors: Plamen A. Demirev and Todd R. Sandrin, Springer. **2016.** 203-234.
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