

Guest lecture:

Introduction to Nanoparticle Tracking Analysis (NTA) with the new ZetaView® TWIN Laser System

Nanoparticle Tracking Analysis (NTA), a method for detecting small particles from 30 nm to 1,000 nm, such as exosomes or virus, was newly established at VetCore in 2022. With this state-of-the-art method measurements of small particles can be performed with relative ease and low cost, whereby the system is available to all interested users.

The seminar will give an overview on possible applications of NTA in veterinary, plant and life sciences, with special attention to the newly acquired ZetaView TWIN Laser System from Particle Metrix.

Tuesday, June 21st 2022, 10:00 – 12:00

Vetmeduni Vienna, Lecture Hall D

Preliminary program:

- 10:00 - 10:15 Introduction (Ralf Steinborn, VetCore)
- 10:15 - 11:00 Nanoparticle Tracking with the ZetaView System (Ingrid Bloß, Particle Metrix)
- 11:00 - 11:25 Extracellular vesicles of *B. cereus*: First insights into their pathogenic potential (Astrid Digruber, Funktionelle Mikrobiologie, VetMed)
- 11:25 - 11:50 NTA in endothelial cell extracellular vesicle research (Silvio Kau, Morphologie, VetMed)
- 11:50 - 12:00 Closing remarks (Martin Hofer, VetCore)
- 12:00 - open Lunch with open Q & A / System demonstration and hands-on training

The event is **free of charge!**

For questions, please contact Martin Hofer: Tel.: +43125077 3152

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Lageplan der Veterinärmedizinischen Universität Wien

