PRECISION NANOSYSTEMS

Next Generation Nanoparticle Technology for Genes Overexpression and Knockout In Vitro & In Vivo

CNS & Metabolic Disease Case Studies

Thursday 29th September
10AM-11AM
ROOM 5022
Center for Integrative Genomics (CIG)

UNIL | Université de Lausanne

Learn how Precision NanoSystems can help you to:

- **Overexpress and knockout genes in vivo & in vitro**
- **Obtain over 95% transfection rates for difficult-to-transfect cells (neurons, astrocytes, T cells…)**
- **Use an endogenous uptake mechanism for the efficient delivery of nucleic acids & to primary neurons and astrocytes.**
- **Prevent siRNA/mRNA degradation**
- **Build the next generation nanomedicines: small molecules, peptides, antibodies and vaccines**

Please join our seminar to learn about **next generation gene over expression & knockout technology** that removes challenges associated with conventional/viral methods. We will showcase the rapid design of nanoparticles that encapsulate your nucleic acids and/or other molecules of interest for targeted delivery *in vivo* & *in vitro*. Finally, we will present our NEW **Neuro9 Tranfection Kit,** which uses an endogenous uptake mechanism that results in transfection efficiency >95% in primary neurons and astrocytes. Various case studies from **CNS, Metabolic, Cancer & Immunology** therapeutic areas will be discussed.

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