

Metody Molekularni Biologie a Neurobiologie

Vladimir Pekarik, Marie Kudlickova Peskova

- Cloning and preparation of recombinant expression plasmids
- Gene engineering – protein mutagenesis, addition of tags
- Primary neuronal cultures
- Preparation of virus like particles (Ebola, HIV) for protein delivery
- Preparation of infectious lentiviral particles for gene delivery
- Preparation of nanocarriers – Ferritin, PLGA NPs
- Limited organic synthesis – H₂S, CO, NO fluorescent sensors