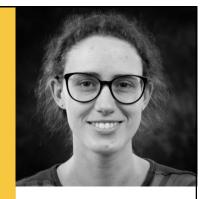


INSTITUTE OF PSYCHIATRY, PSYCHOLOGY & NEUROSCIENCE



Module:

Techniques in Neuroscience

Week 5:

Molecular biology: Going inside the cell

Dr Elizabeth Glennon

Topic 1:

An introduction to molecular biology methods

Part 1 of 3

Topic list



This week, we will be looking at the following topics:

- Topic 1: An introduction to molecular biology methods
- Topic 2: Video of procedures
- Topic 3: Focused journal club

Click Next to continue

Week

Molecular biology: Going inside the cell

Topic 1: An introduction to molecular biology methods

2 of 14

Topic outline: introduction to methods in molecular biology This topic is divided in 3 parts, which will explore: 1 Protein production using recombinant DNA technologies 2 Protein separation using SDS-PAGE 3 Protein identification using western blotting Cell signalling proteins targeted by the Tax1 oncoprotein Boxus et al. (2008) Week 5 Molecular biology; Going Inside the cell



In this section, we will explore the use of recombinant DNA technologies as we focus on: Overview of recombinant DNA technologies as we focus on: The plasmid vector Introduction to polymerase chain reaction (PCR) Click Mext to continue Week 5 Molecular biology: Going Inside the cell Topic 1: An introduction to molecular biology methods 5 of 14

