



KAPITAŁ LUDZKI
NARODOWA STRATEGIA SPÓJNOŚCI

UNIA EUROPEJSKA
EUROPEJSKI
FUNDUSZ SPOŁECZNY



Molecular and Cellular Biology

prof. dr hab. inż. A. Składanowski (WCh PG)

The course will provide fundamentals about how the molecules of the cell cooperate to create a system that feeds, moves, grows, divides and responds to different internal and external stimuli – what collectively makes a cell the living system. The ultimate goal is to provide a unified vision about how cellular structures are formed and function, based on universal principles known from physics, chemistry, molecular biology and mechanics. The course will include all aspects from chemical components of cells to mechanisms which regulate intracellular transport, metabolism, cell-cell communication as well as cell division and cell death.

The MCB course is aimed at advanced graduate students who require specialized knowledge in cell biology for their research activity the life sciences as well as in other areas related to biomedical research.