

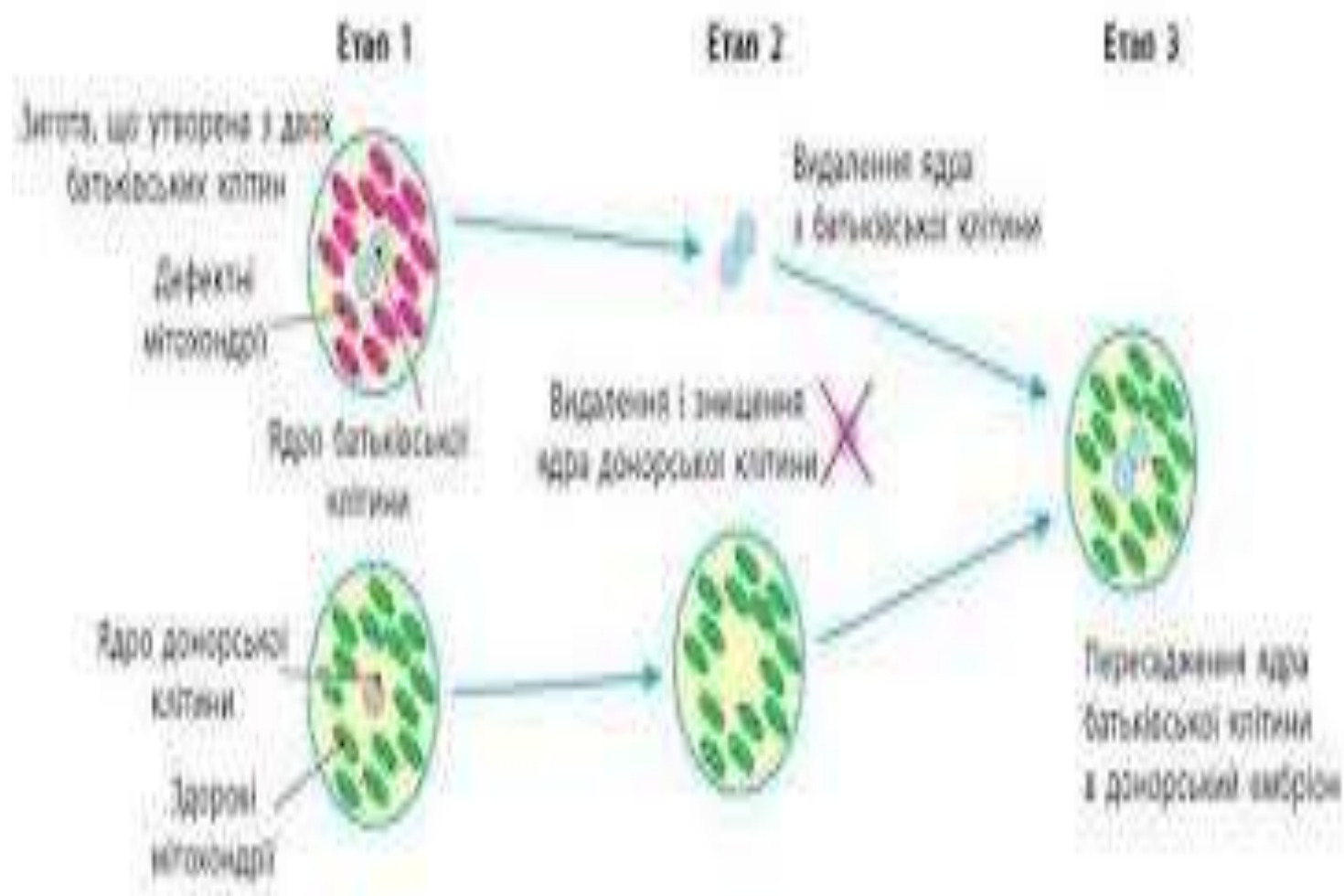


Кафедра клінічної імунології та алергології Львівського медичного
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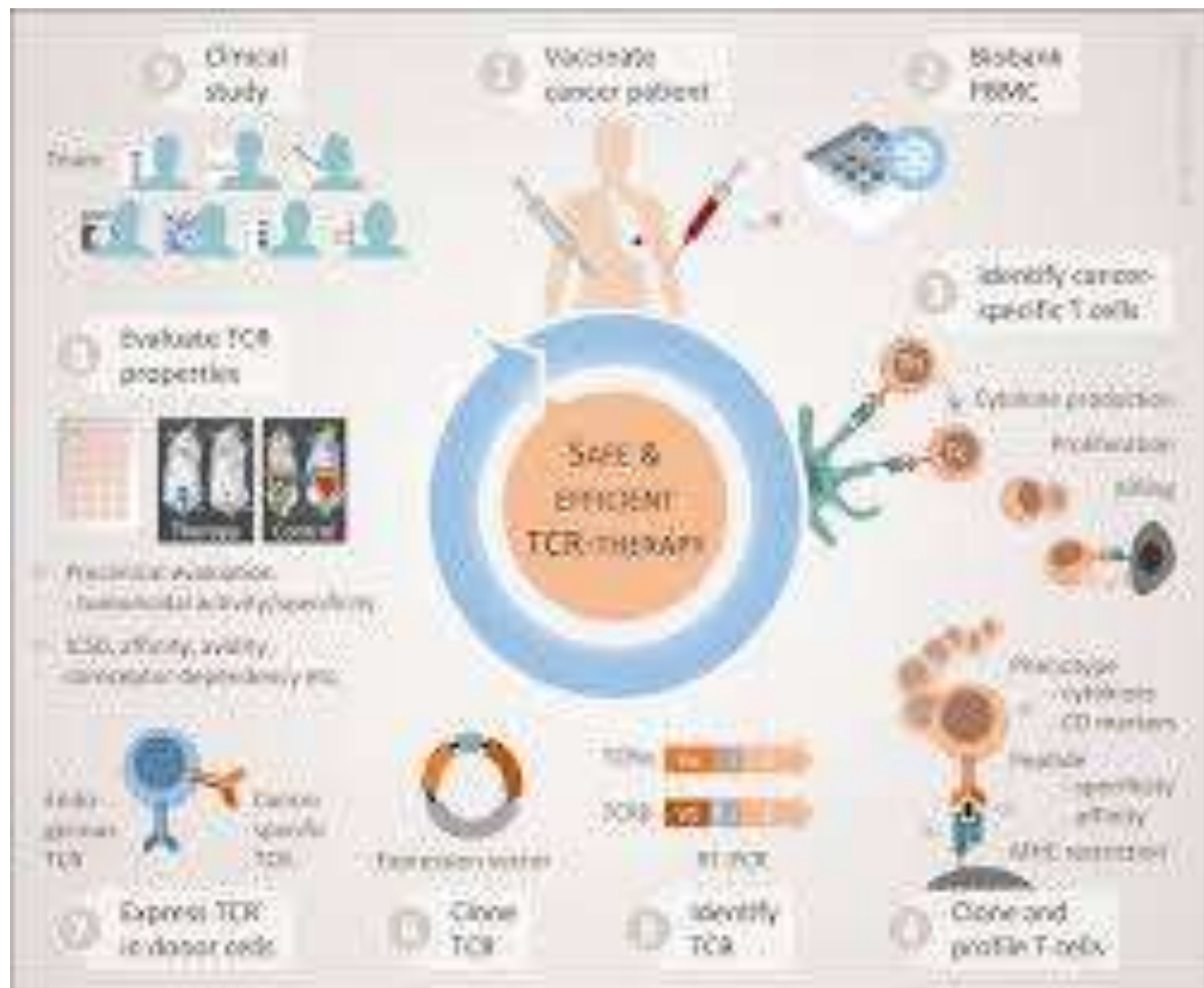
СУЧАСТІ БІОТЕХНОЛОГІЇ В МЕДИЦИНІ

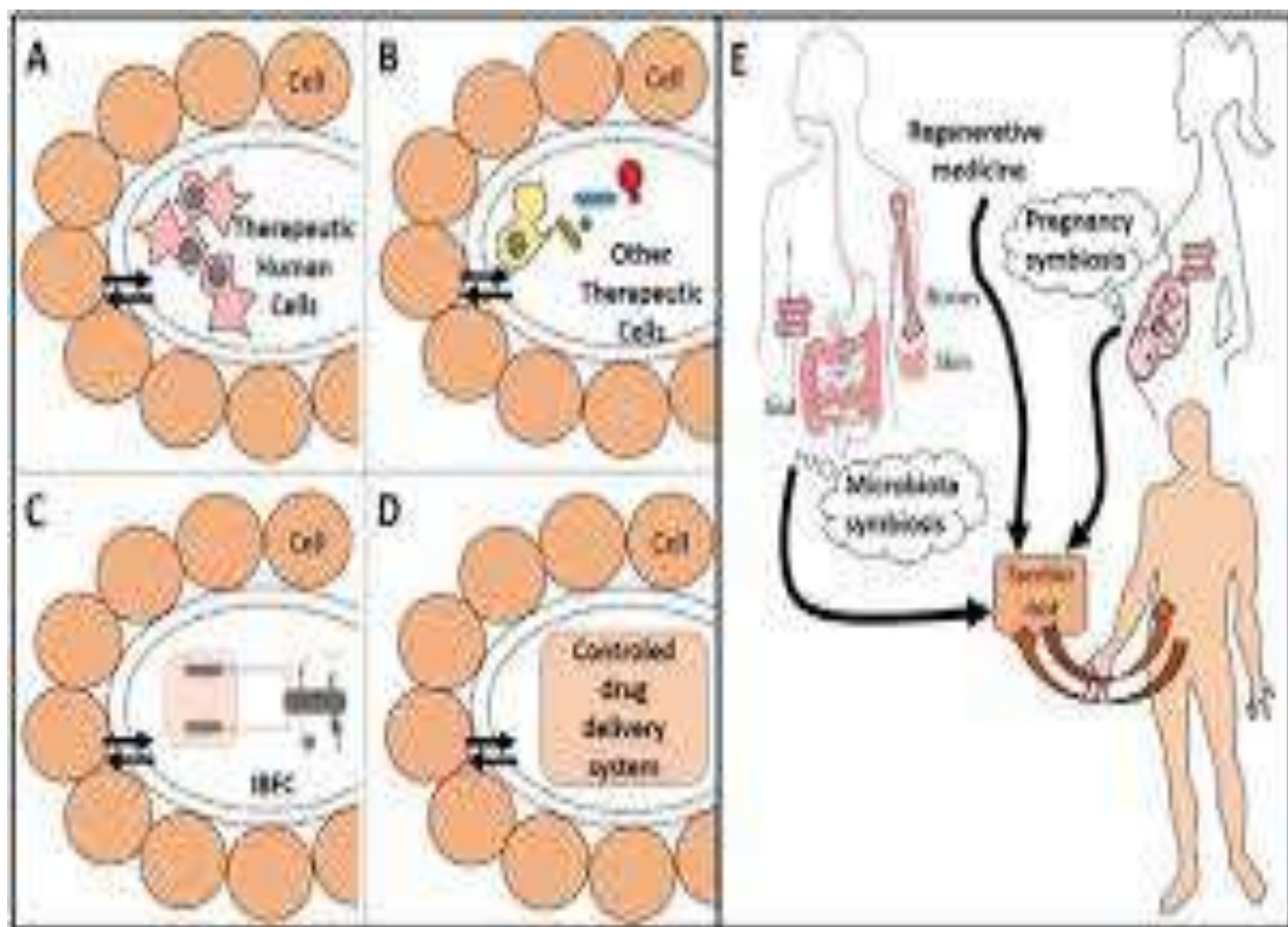
ВАЛЕНТИНА ЧОП'ЯК





Мал. 86.3. Схема створення «ембріона від трьох батьків»





BIOLOGICAL PRODUCTS



PHARMACEUTICAL PREPARATIONS



MEDICINALS & BOTANICALS



DIAGNOSTIC SUBSTANCES



MEDICAL DEVICES



COSMETICS, PERFUMES & TOILETRIES



LABORATORIES



BIOTECHNOLOGY IN **MEDICAL SCIENCES**



Firdos Alam Khan

 **CRC Press**
Taylor & Francis Group

Modern Applications of
Plant Biotechnology
in Pharmaceutical Sciences



Saurabh Bhatia

Tammy Bera, Ranjita Gohiya, Kiran Sharma



biotechnology

new horizons in medicine



Biotechnology is the application of scientific and engineering principles to the development of products and processes that improve human health, safety, and the environment. It is a multidisciplinary field that combines biology, chemistry, physics, and engineering to create innovative solutions to complex problems.



Using medicine

Biotechnology is used in medicine to develop new drugs, vaccines, and diagnostic tools. It also plays a role in regenerative medicine, where cells are used to repair damaged tissues and organs.



Personalized medicine

Personalized medicine uses biotechnology to tailor medical treatments to individual patients based on their genetic makeup, lifestyle, and environment. This approach aims to improve the effectiveness and safety of medical interventions.



Using Bioprint

Bioprinting is a process that uses 3D printing technology to create biological structures, such as tissues and organs. This technology has the potential to revolutionize transplantation and regenerative medicine.



Using personalized

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Using tissue

Tissue engineering uses biotechnology to create functional tissues and organs in the laboratory. These engineered tissues can be used to replace damaged or diseased tissues in patients.



Using the gene

Gene therapy uses biotechnology to treat or prevent disease by introducing, removing, or altering genetic material within a patient's cells. This approach has the potential to cure many currently incurable diseases.

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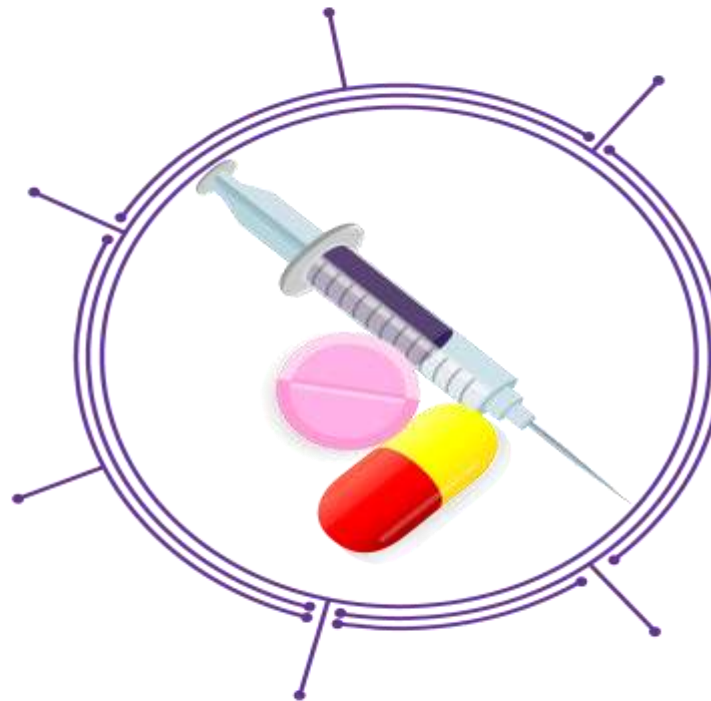
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