CURRICULUM VITAE
Andi Wijaya

Tempat / Tanggal Lahir : Klaten, 2 Juli 1936

Pendidikan :
1. Sarjana Farmasi / Apoteker (ITB / 1963)
2. Ph.D. (Biologi Molekuler) (University of Munster/ Jerman/ 1978).-
3. MBA (UCLA/USA/1986).-

Jabatan / Pekerjaan :
1. Mantan Dosen Kimia Klinik ITB, UNPAD (1980-2001).-
2. Mantan Ketua Program Studi Biomedik Pascasarjana UNHAS (2003-2011).-
3. Komisaris Utama PT Prodia Group. (2003-sekarang).-

Penghargaan :
1. Golden Academy Award dari National Academy of Clinical Biochemistry USA (1987).-
2. DR (HC) in Biomedical Science dari University of Birmingham UK(1991)
3. Gold Record of Achievement in Science dari NACCCA, USA (1994).-
4. Satya Karya Bhakti Pendidikan dari UNPAD (2002).-
5. Ganesha Widya Jasa Utama dari ITB (2012).-
6. Premium Gold Heart Award in Basic CVD-Sc dari AHA USA, 2018.-
7. Lifetime Achievement Award dari UNPAD – Universitas Groningen Belanda (2018).-

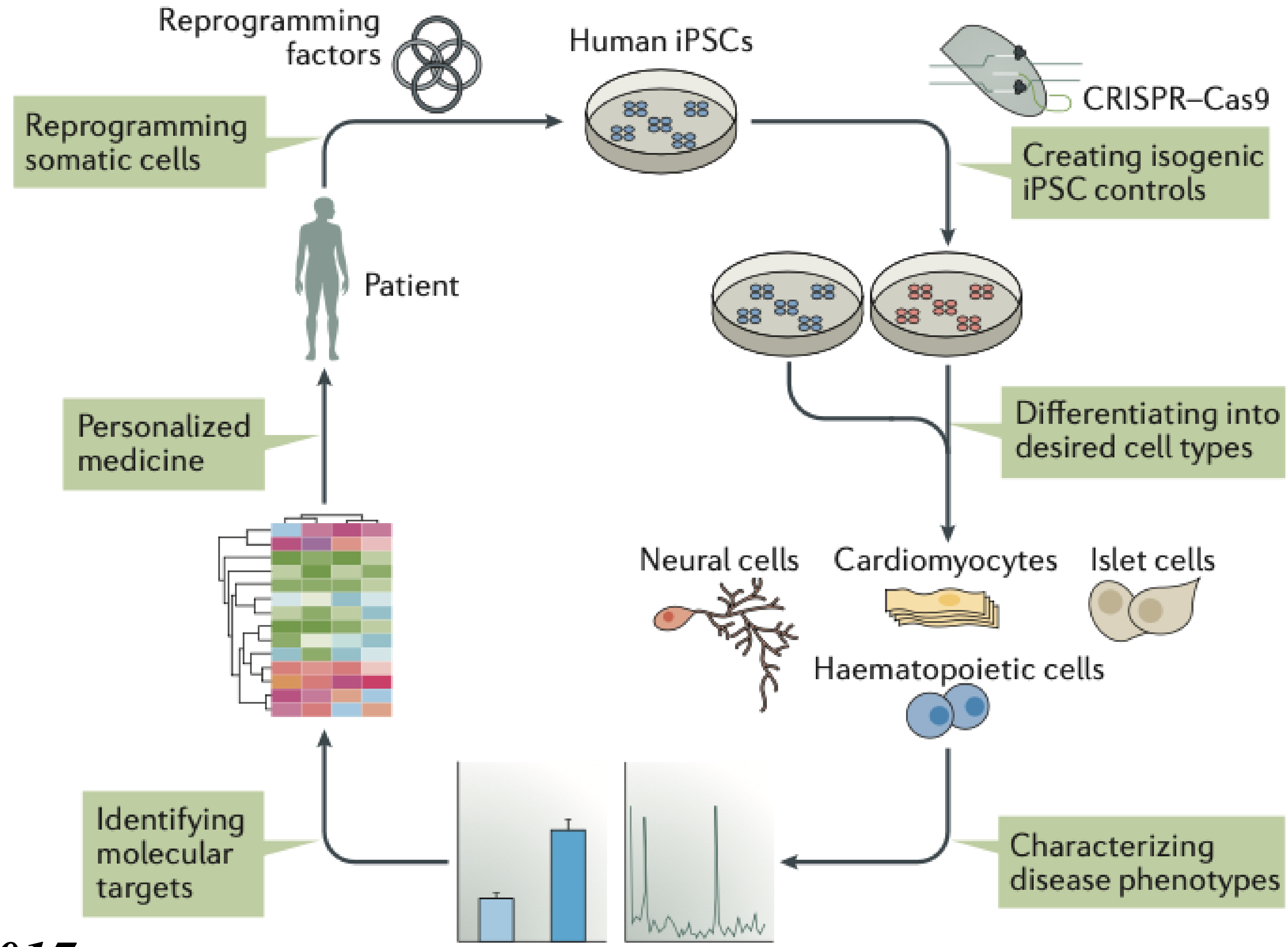
Organoid : iPSC – Based Disease Modeling.-

Andi Wijaya 2025.-

Induced pluripotent stem cell technology: a decade of progress.-

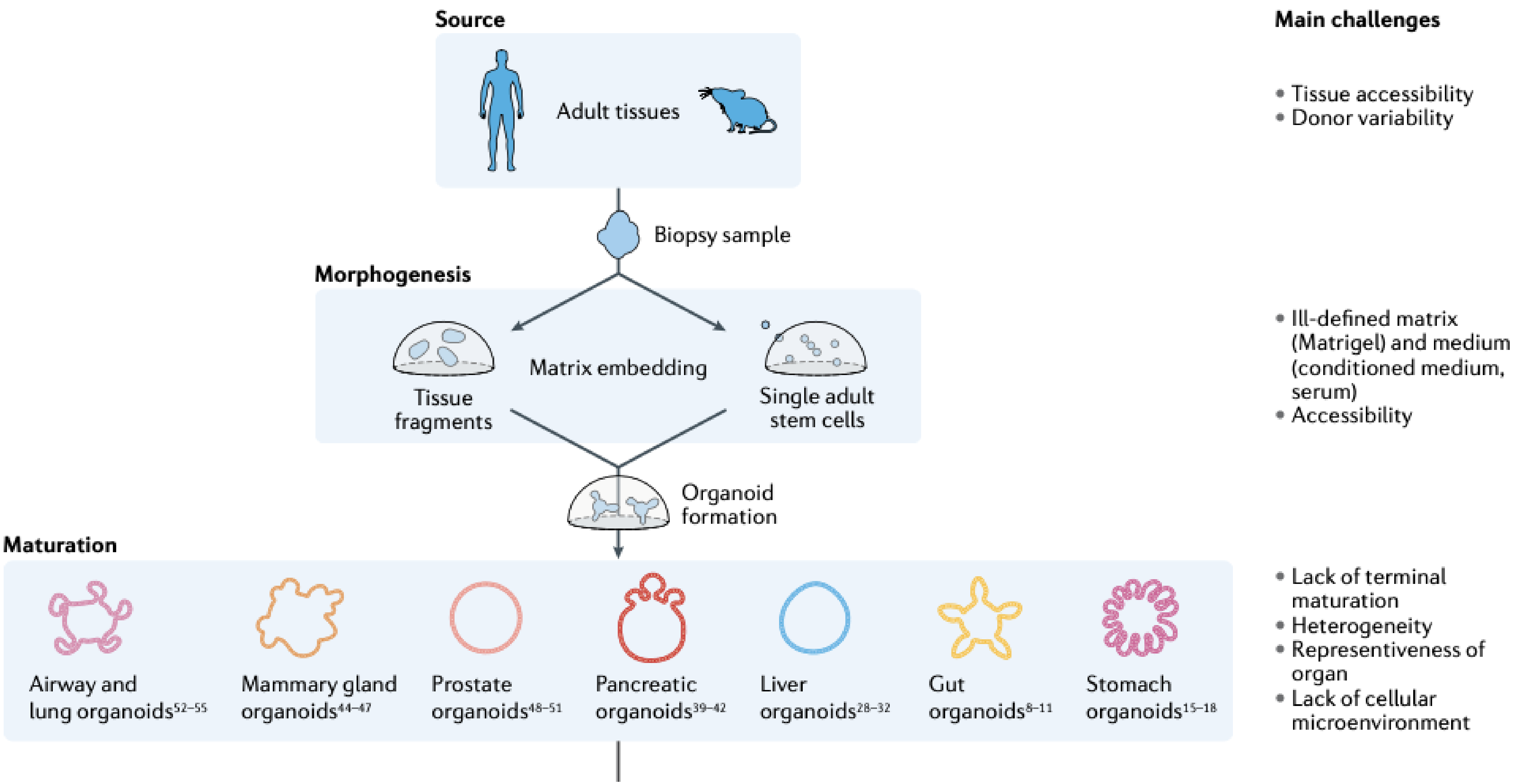
Nature Review 2017.-

A schematic for human iPSC-based disease modelling.



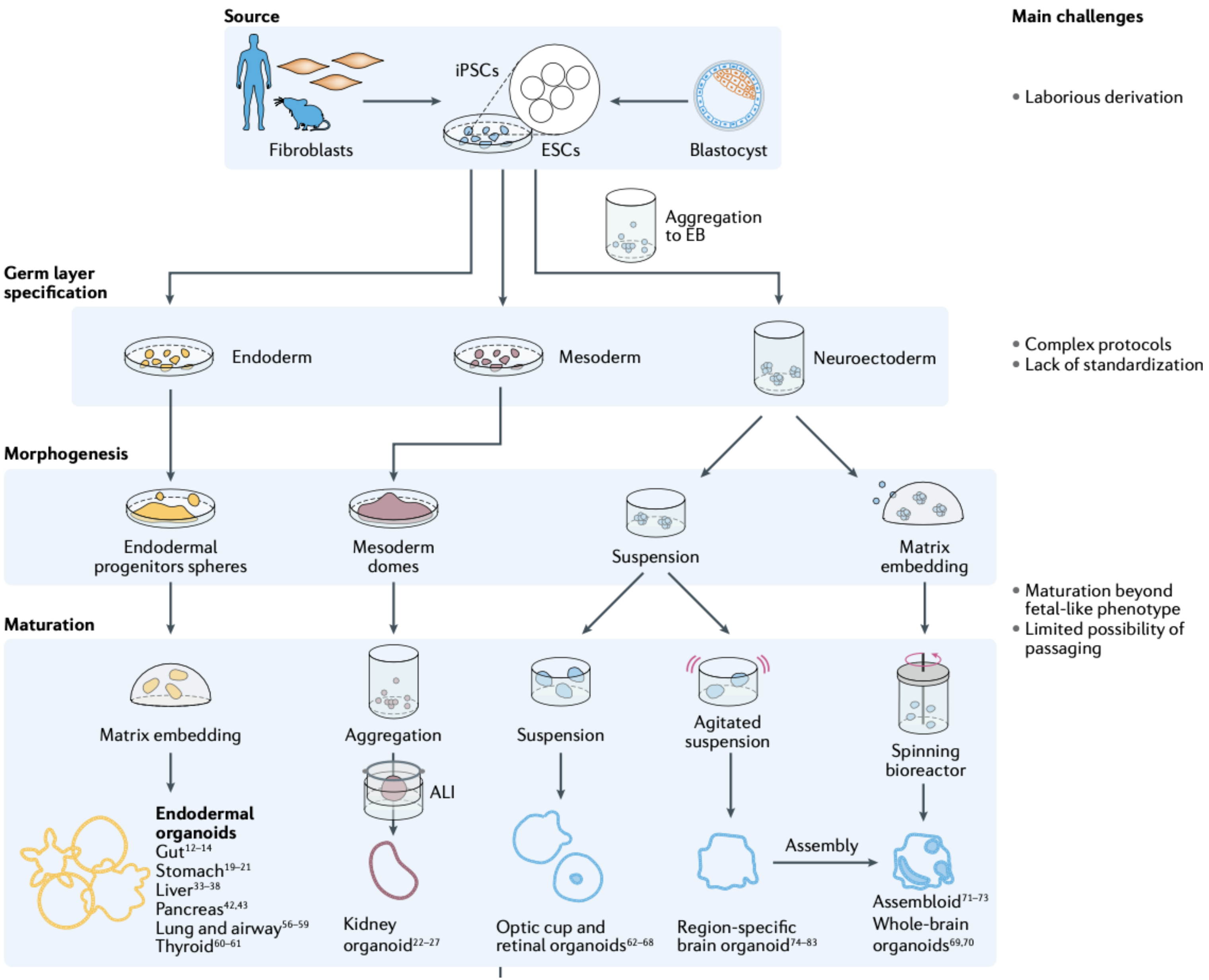
Nature Review 2017.-

Tissue-derived organoids.



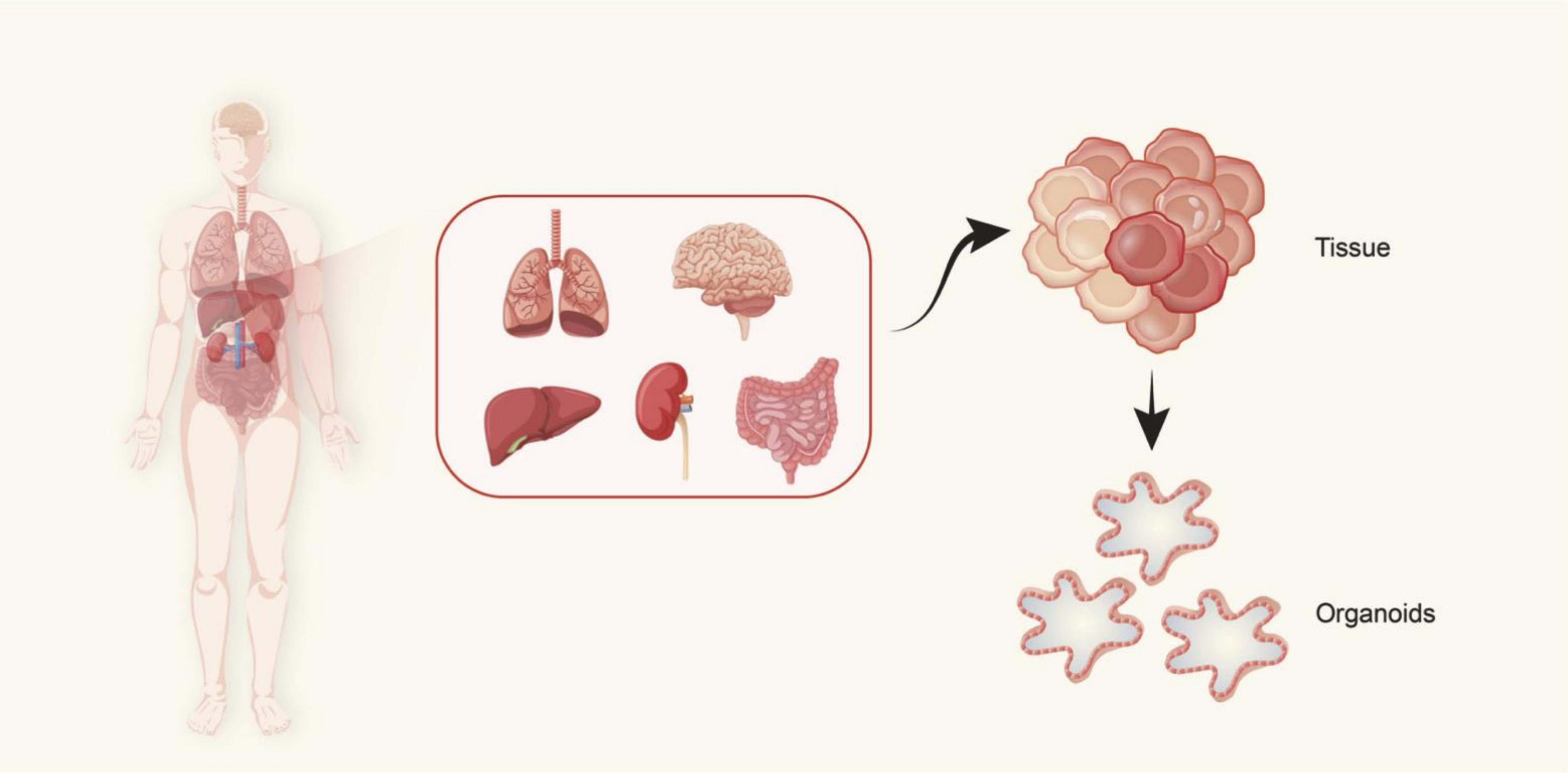
Nature 2021.-

Pluripotent stem-cell-derived organoids.

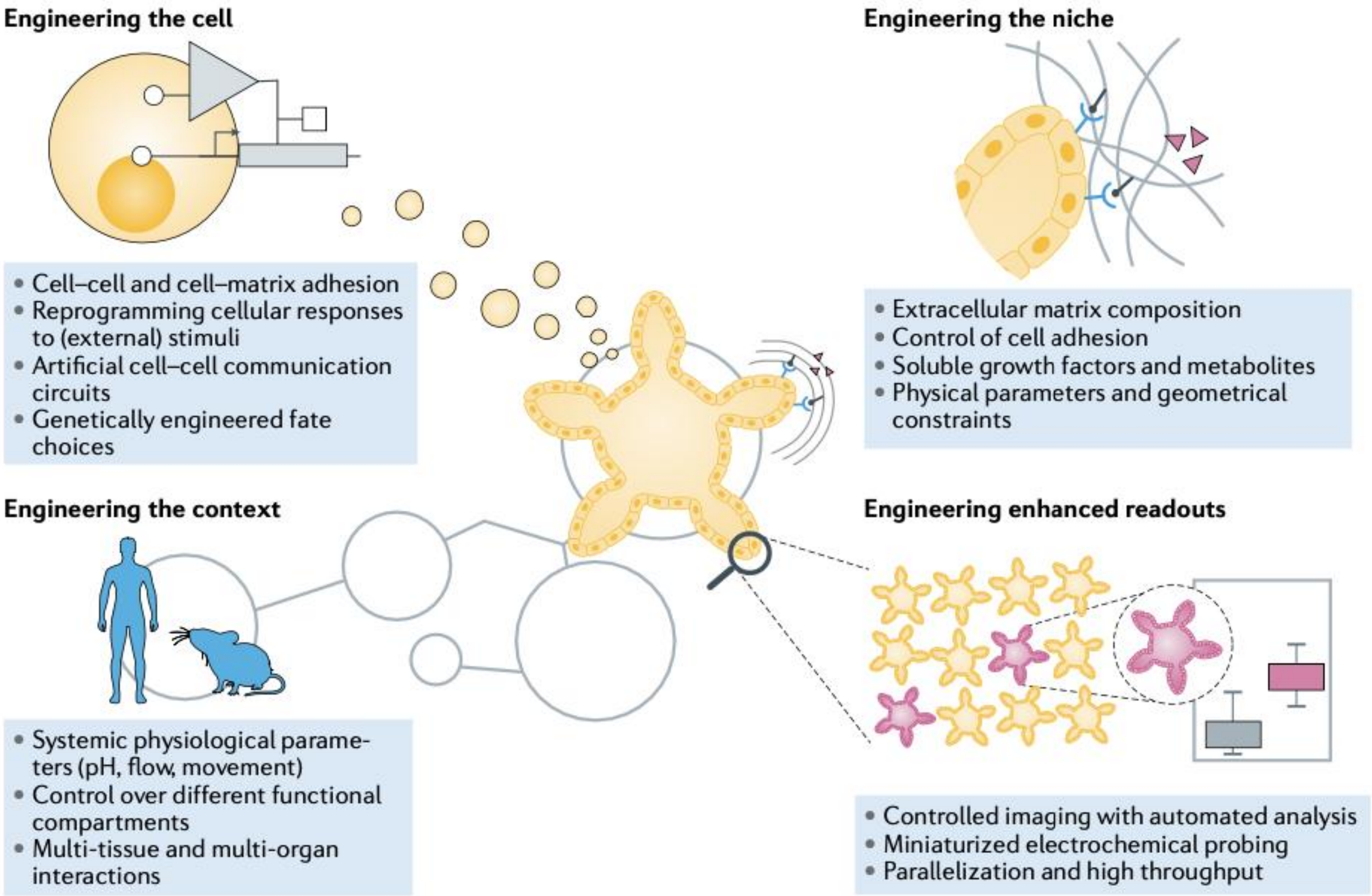


Nature 2021.-

Derivation of organoids from organs

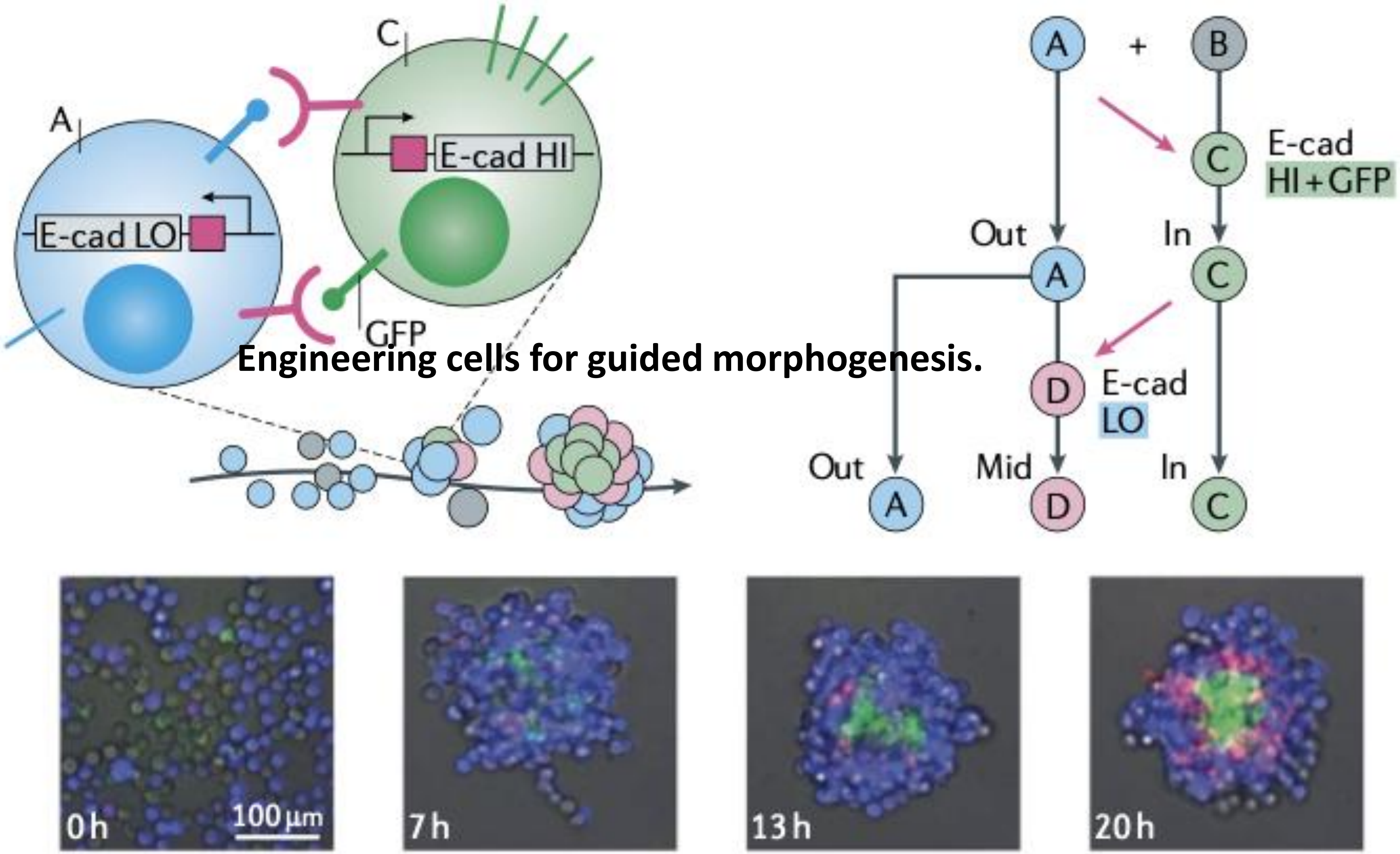


Engineering approaches for organoids.



Nature 2021.-

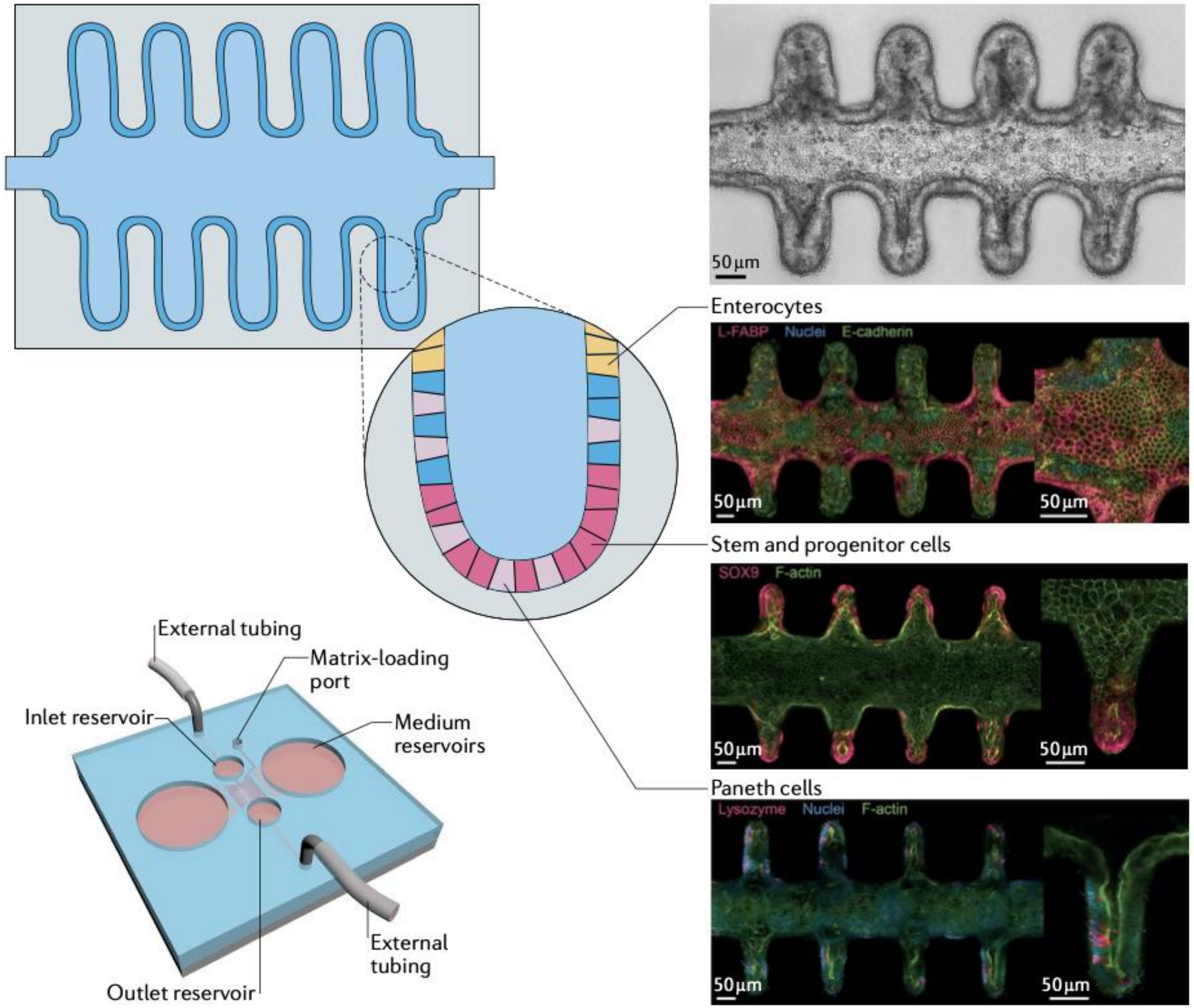
Engineering cells for guided morphogenesis.



Engineering cells for guided morphogenesis.

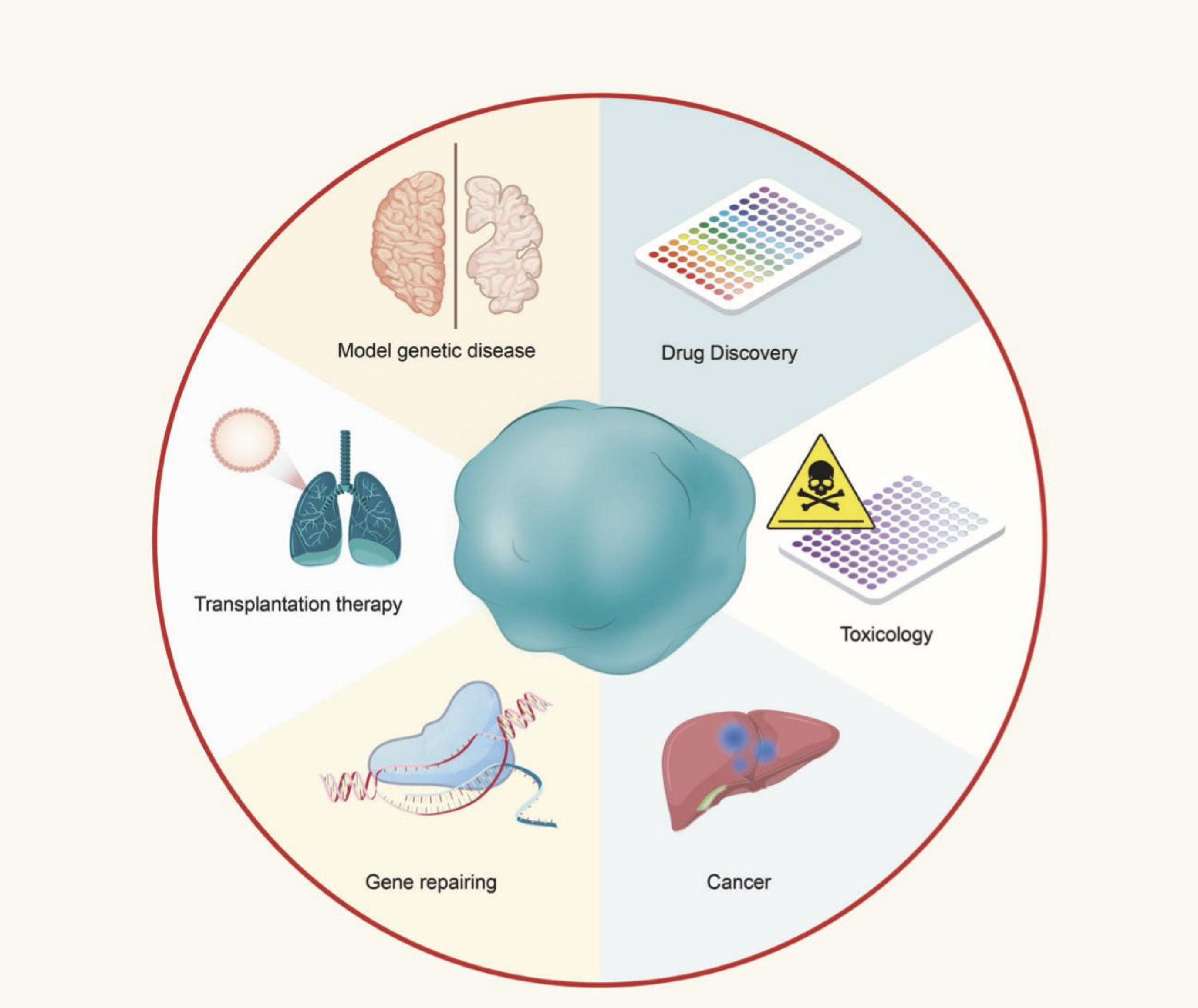
Nature 2021.-

Engineering the niche



***Nature* 2021.-**

Various applications of organoid technology.



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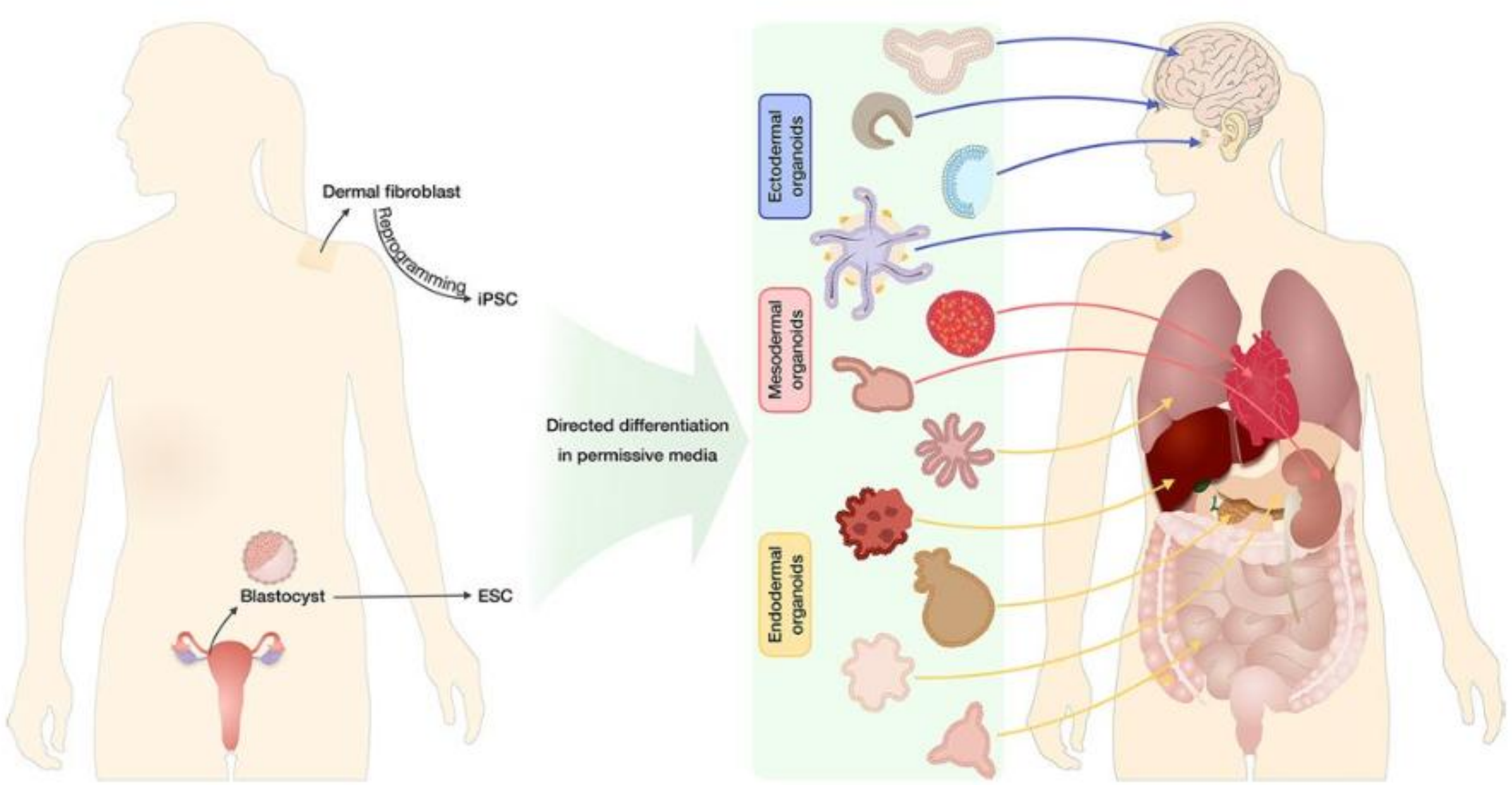
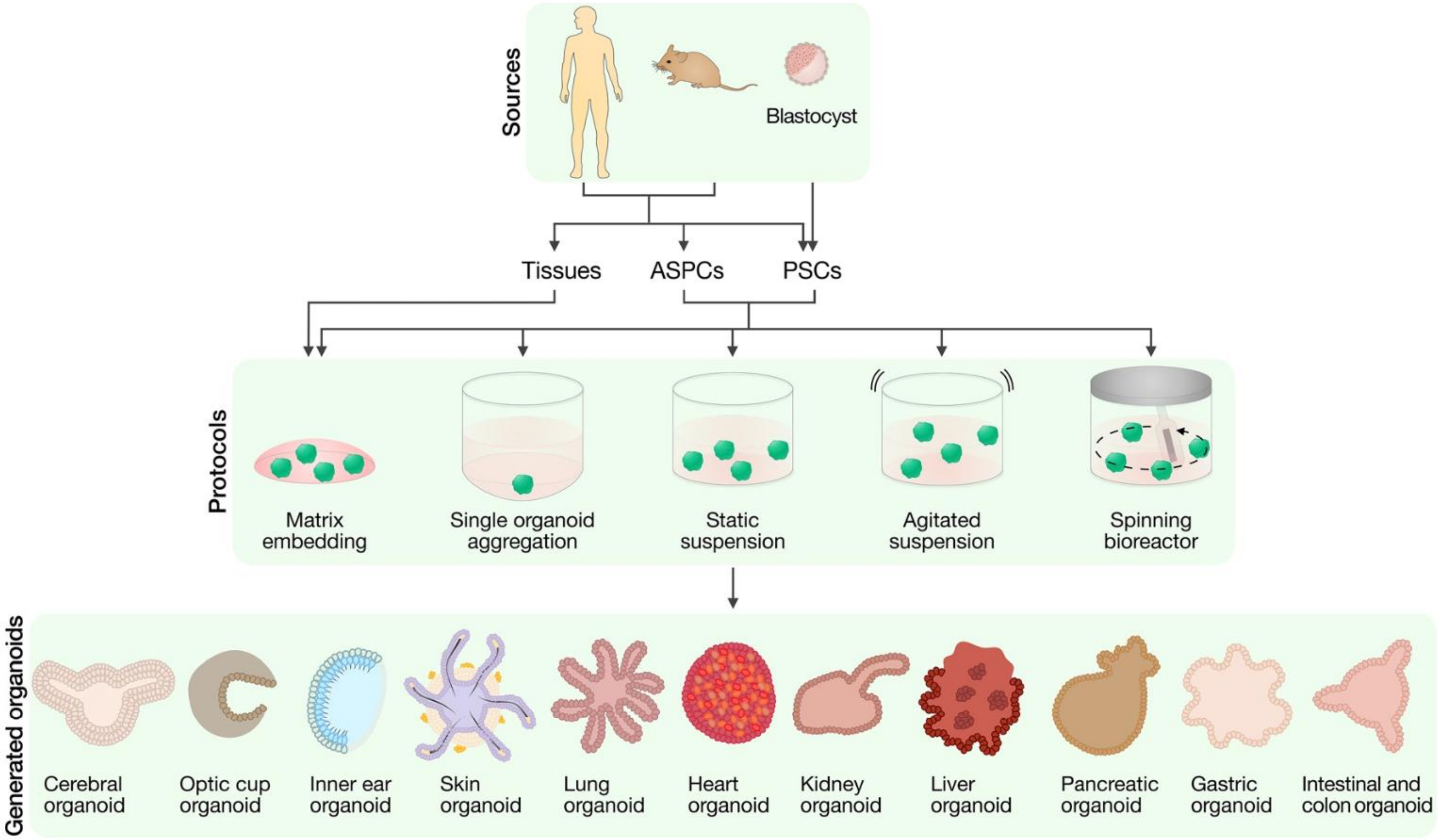
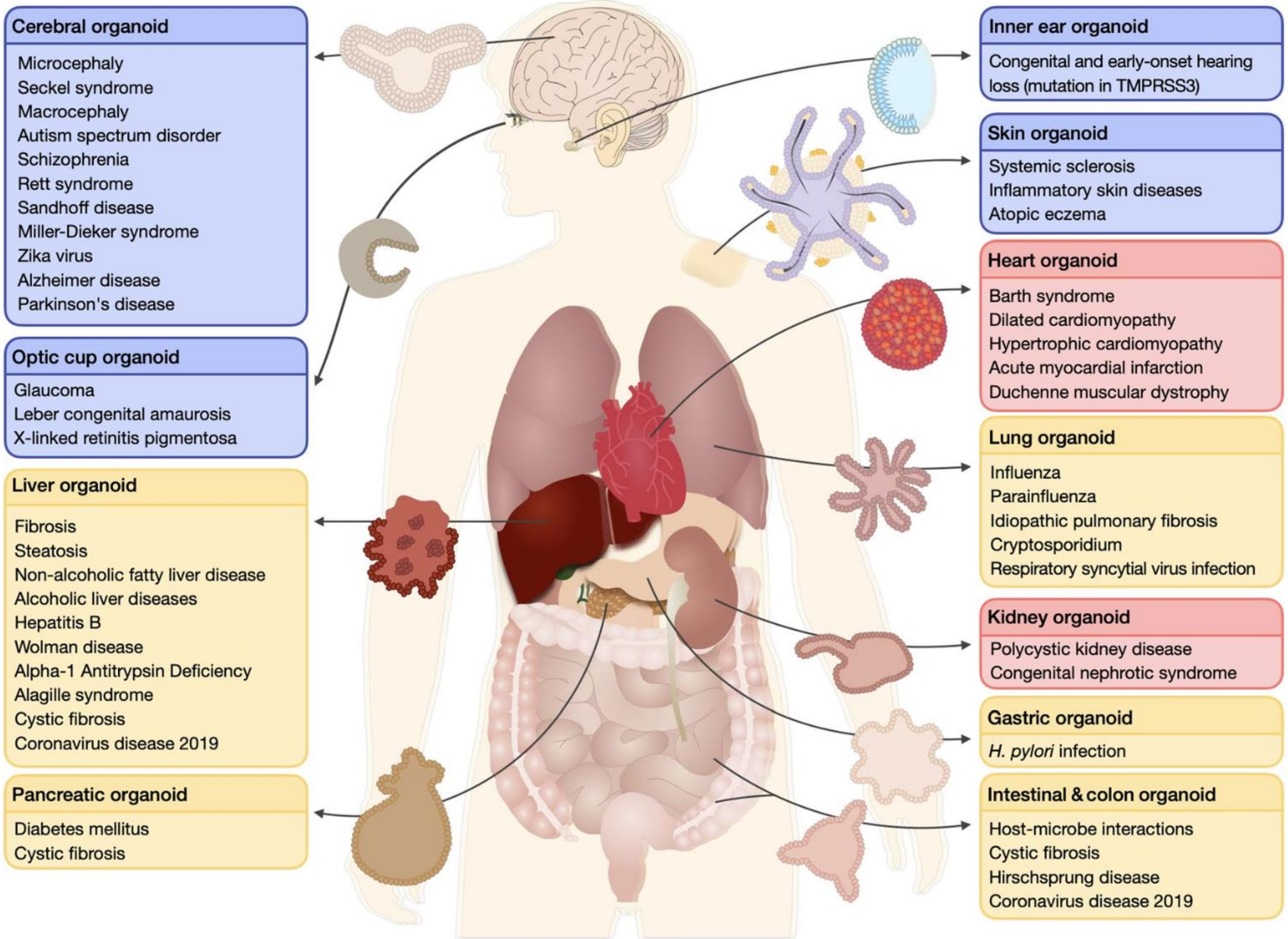
Organoid · Germ layer · Disease modeling · Drug screening



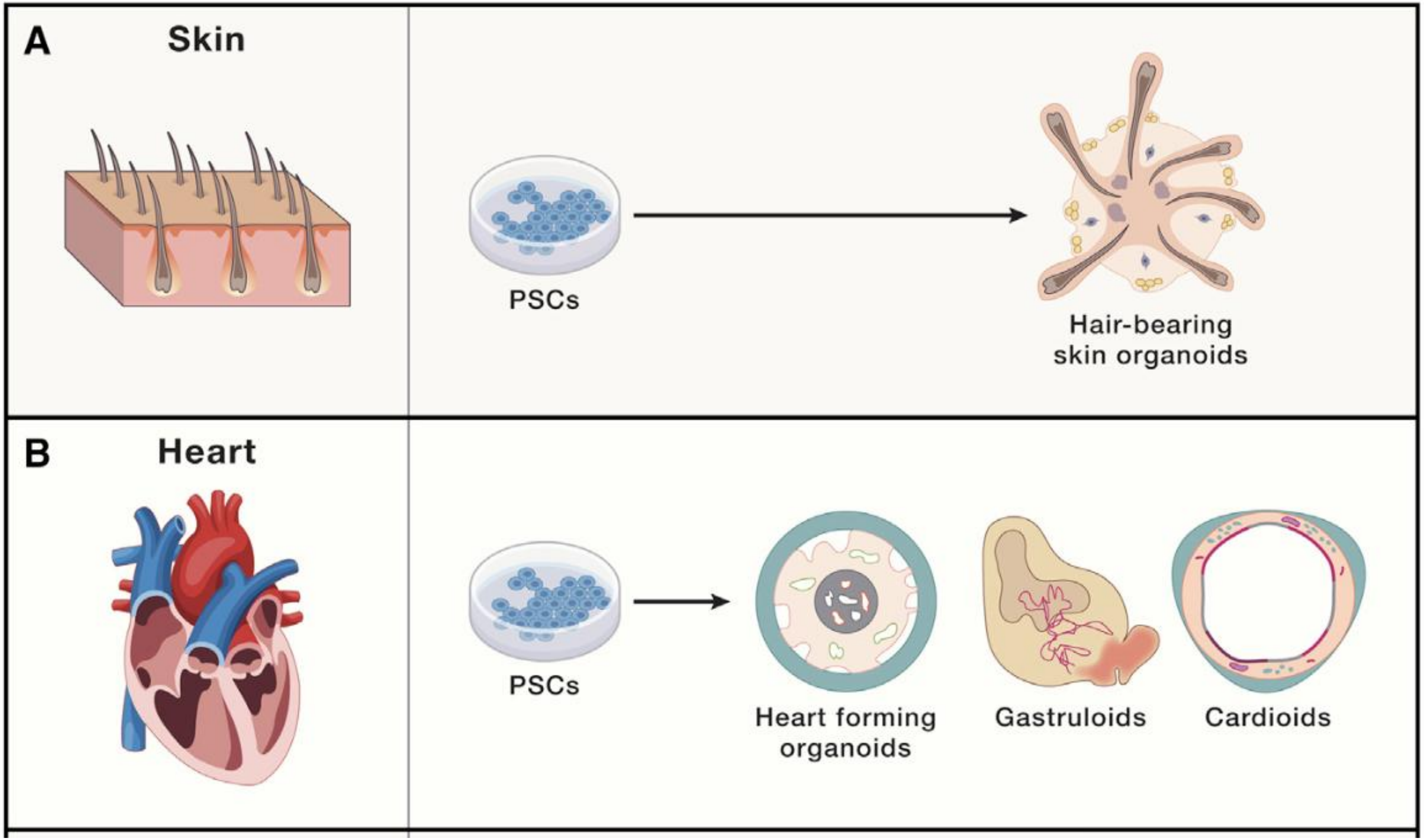
Different protocols to generate tissue-specific and pluripotent stem-cell-derived organoids

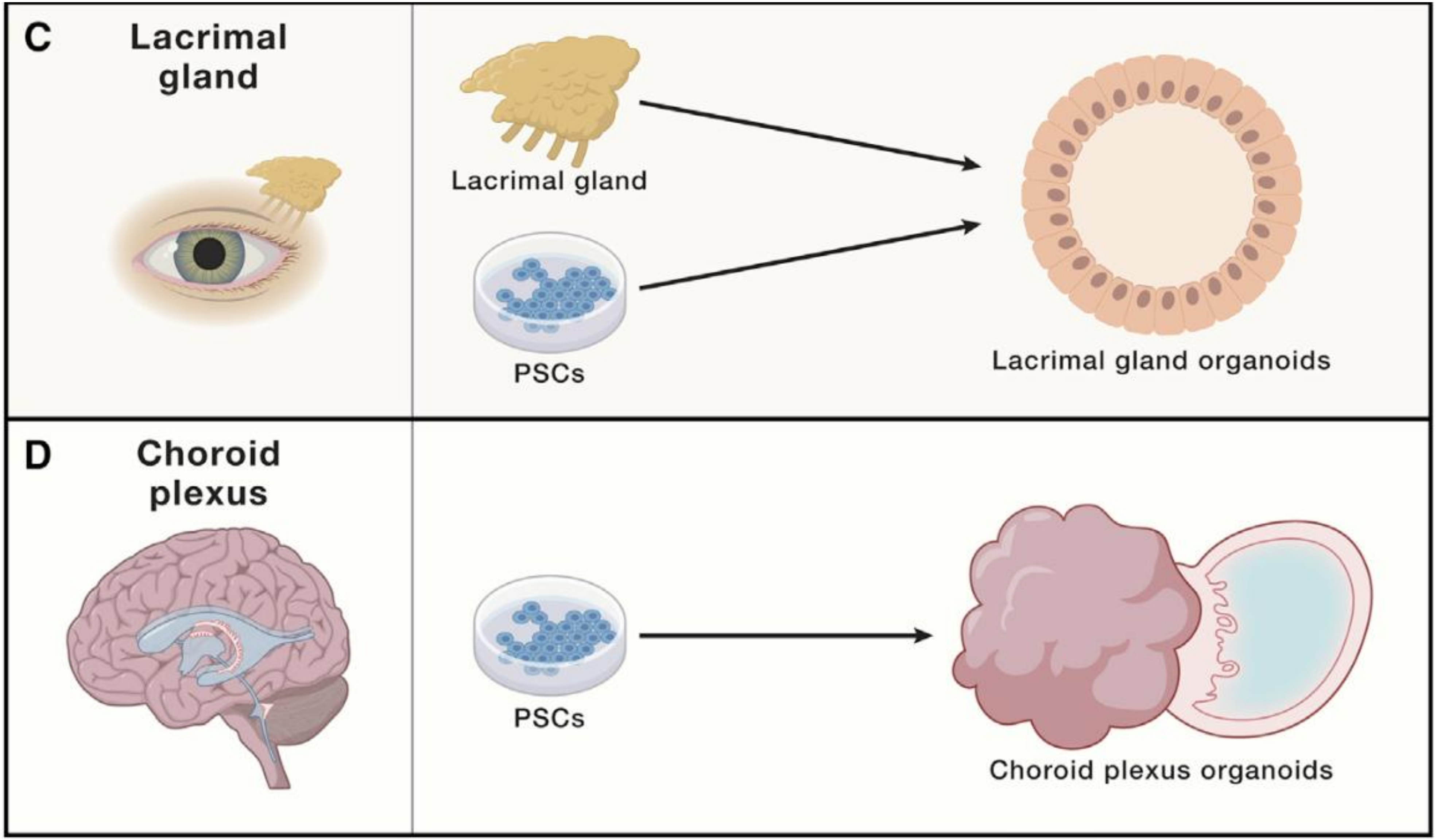


Summary of generated human organoid disease models

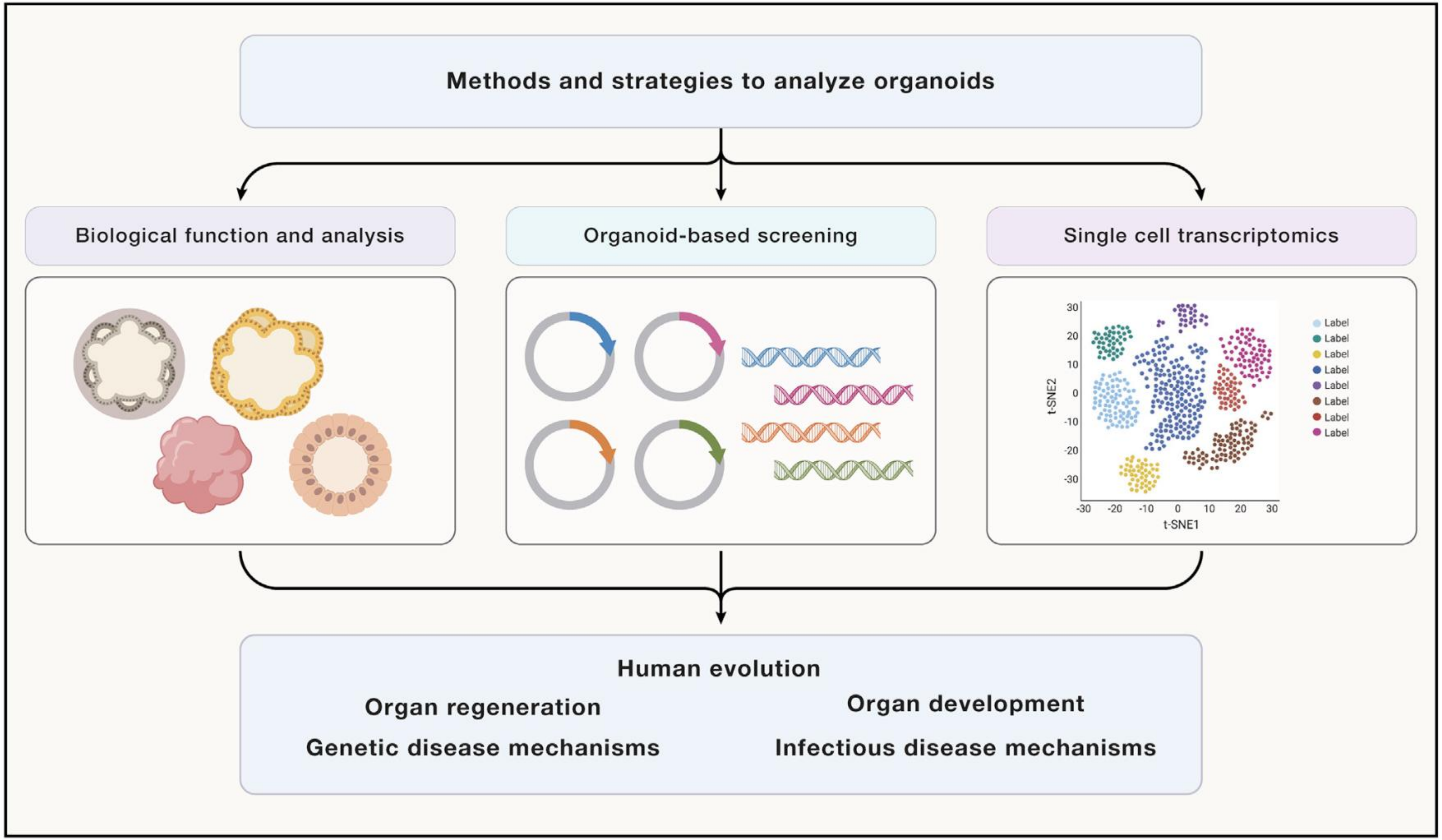


Examples of recently developed organoid models

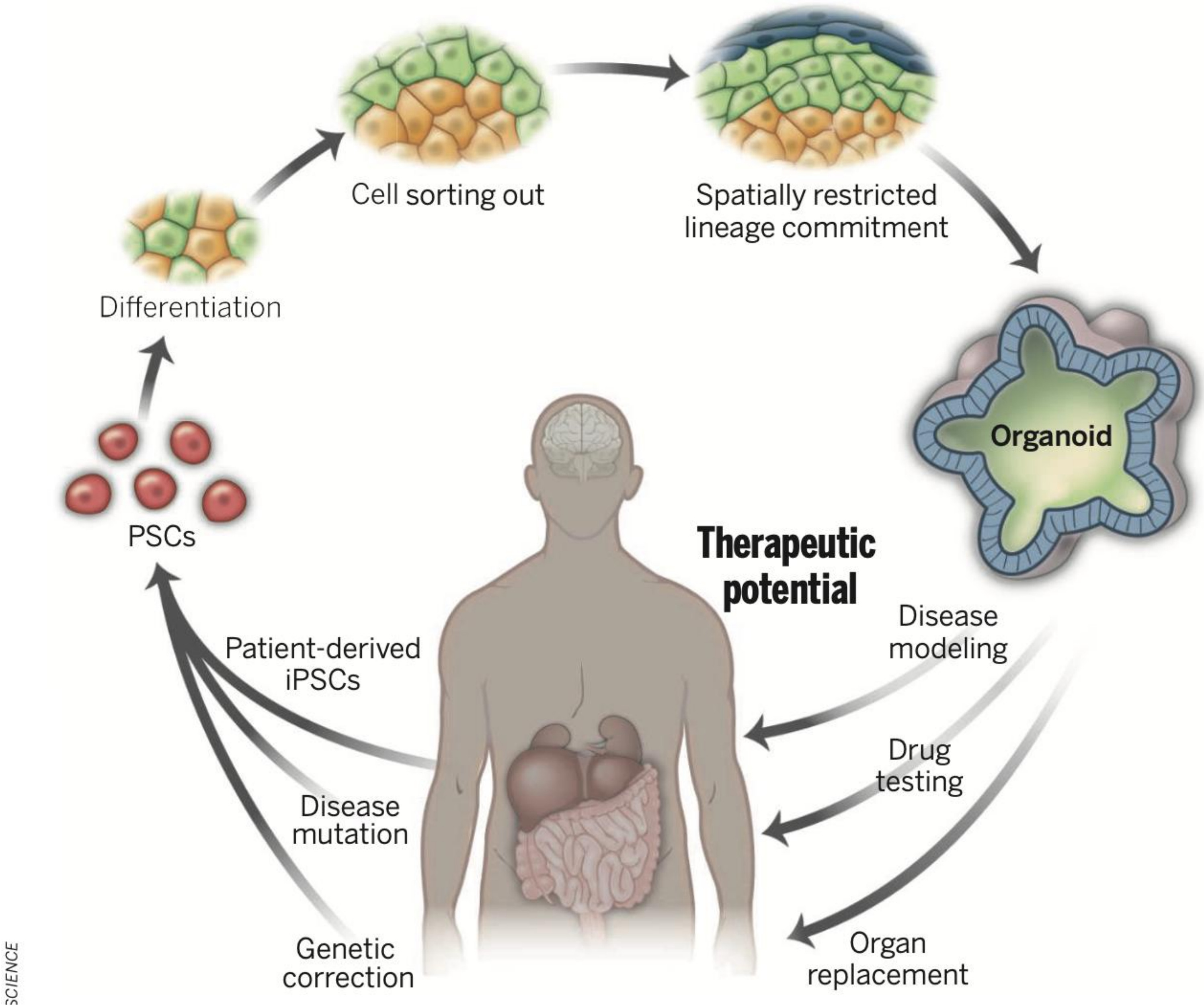



C
Lacrimal gland
Lacrimal gland
PSCs
Lacrimal gland organoids
D
Choroid plexus
PSCs
Choroid plexus organoids

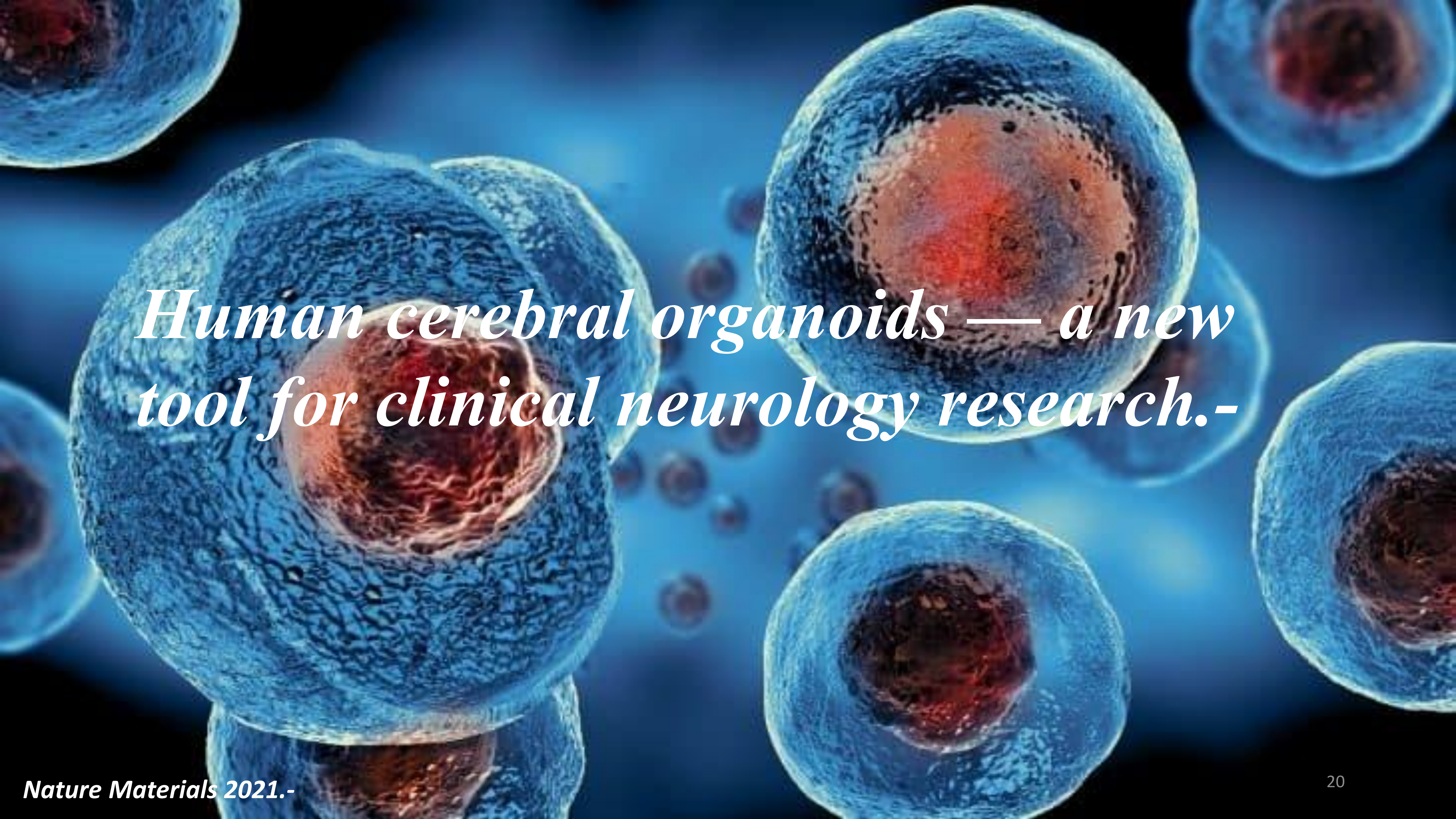
Methods and strategies to analyze organoids



Organoid generation and therapeutic potential.



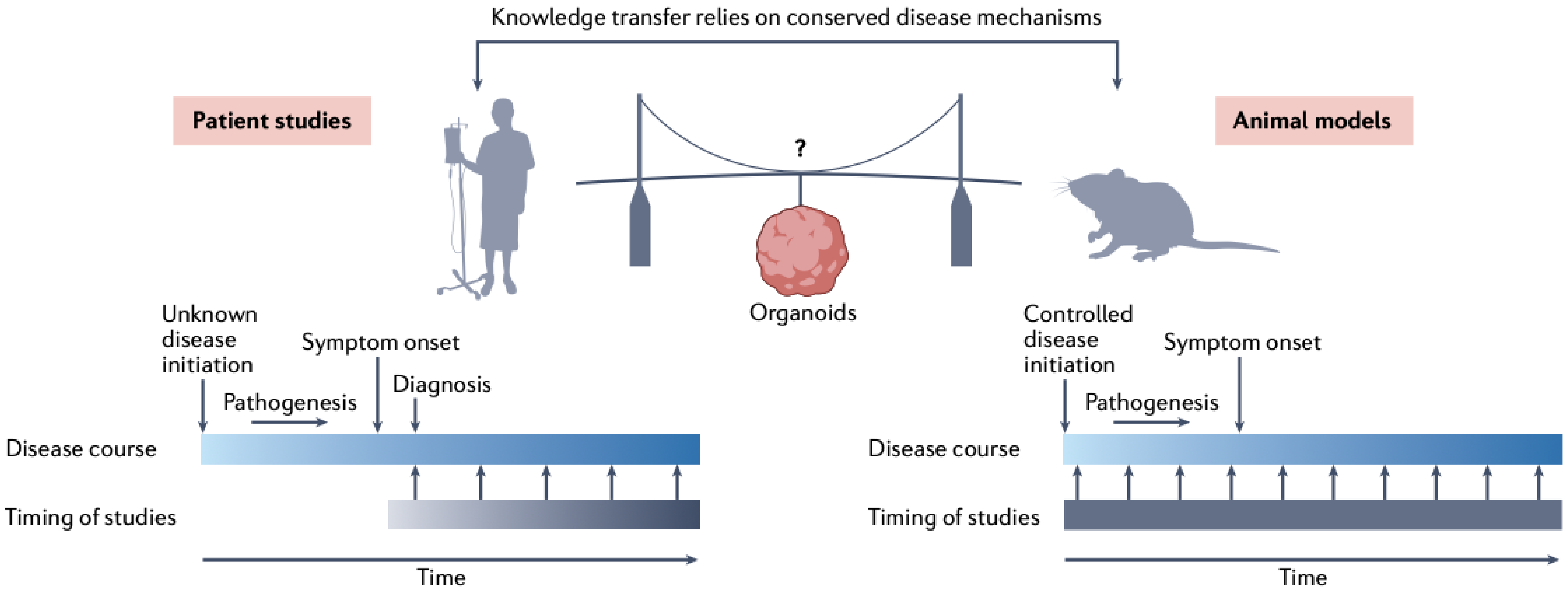
Organogenesis in a dish: Modeling development and disease using organoid technologies .-



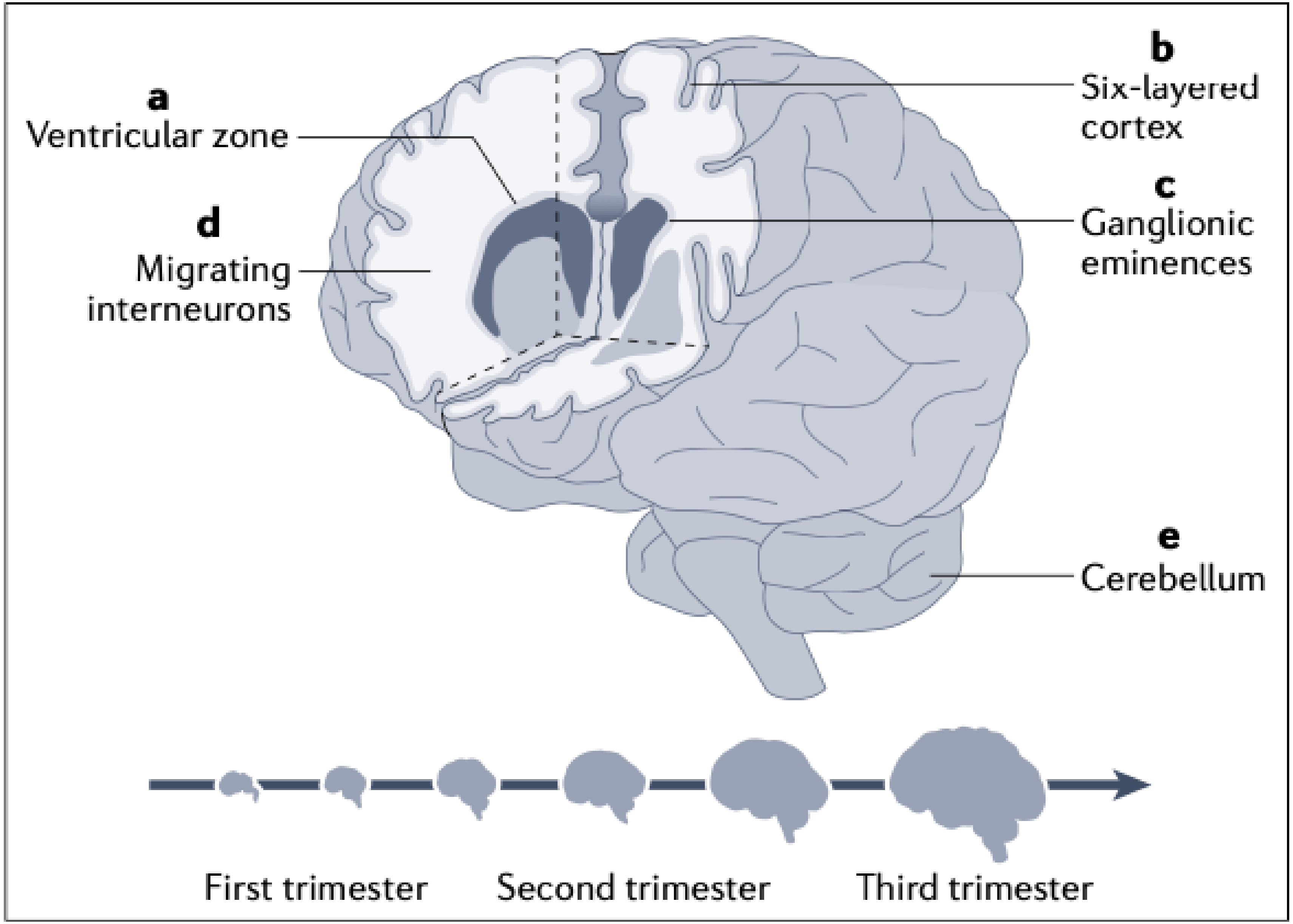
Human cerebral organoids — a new tool for clinical neurology research.-

Nature Materials 2021.-

Organoids can bridge patient and animal studies to advance our understanding of neurological disease.

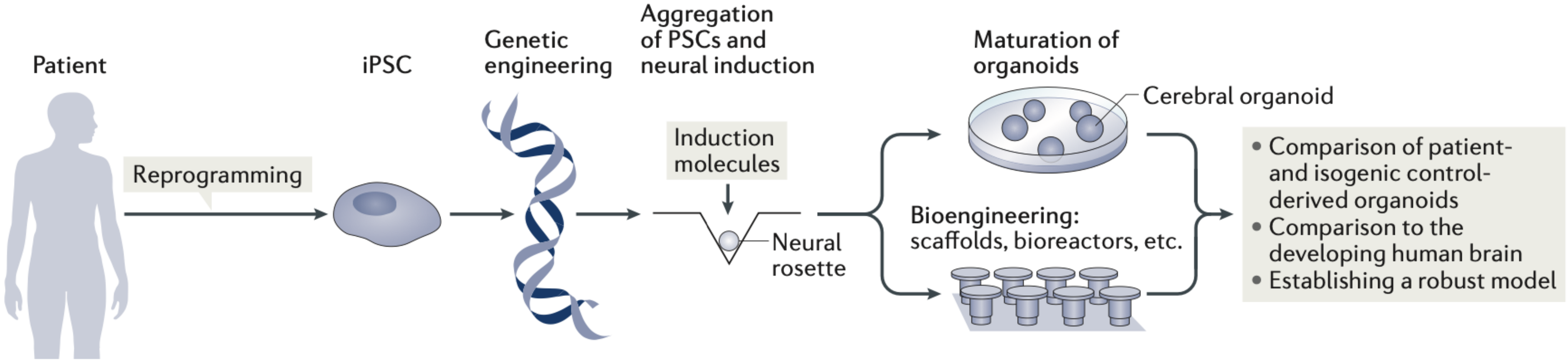


Nature Materials 2021.-



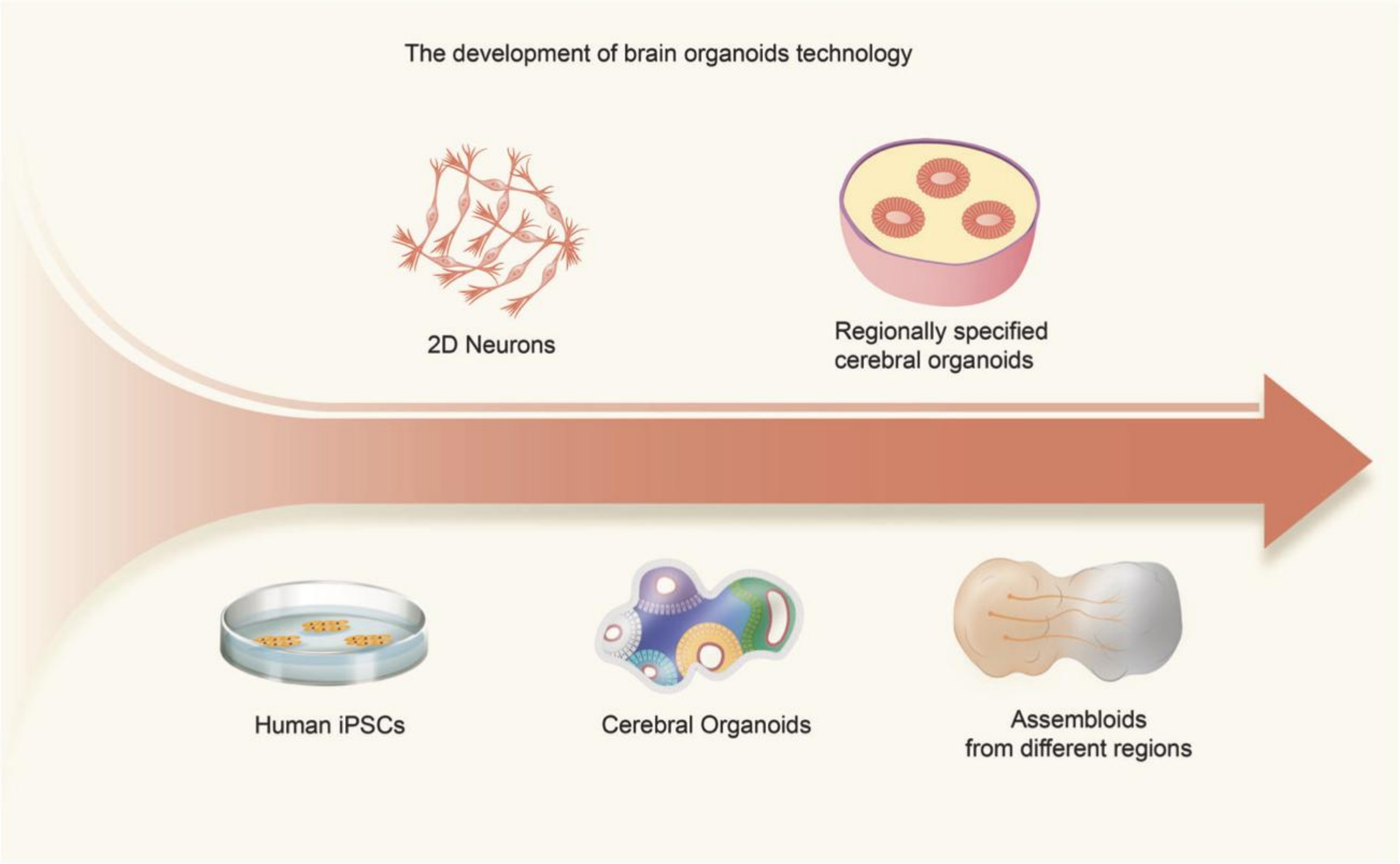
Nature Materials 2021.-

Generation and characterization of cerebral organoids



NATURE REVIEWS | NEUROSCIENCE 2017.-

Graphical summary of major milestones in the development of brain organoid technologies.



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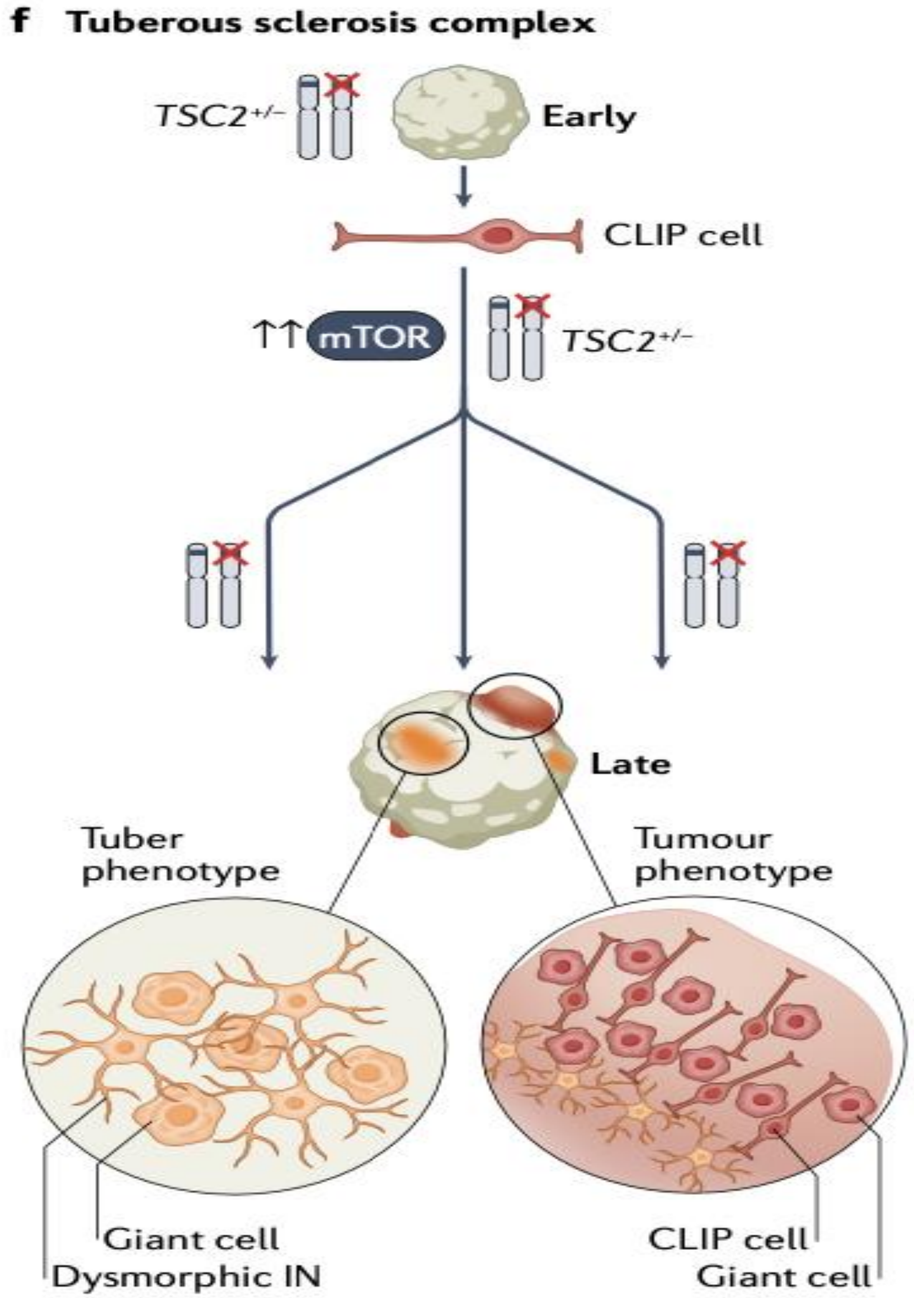
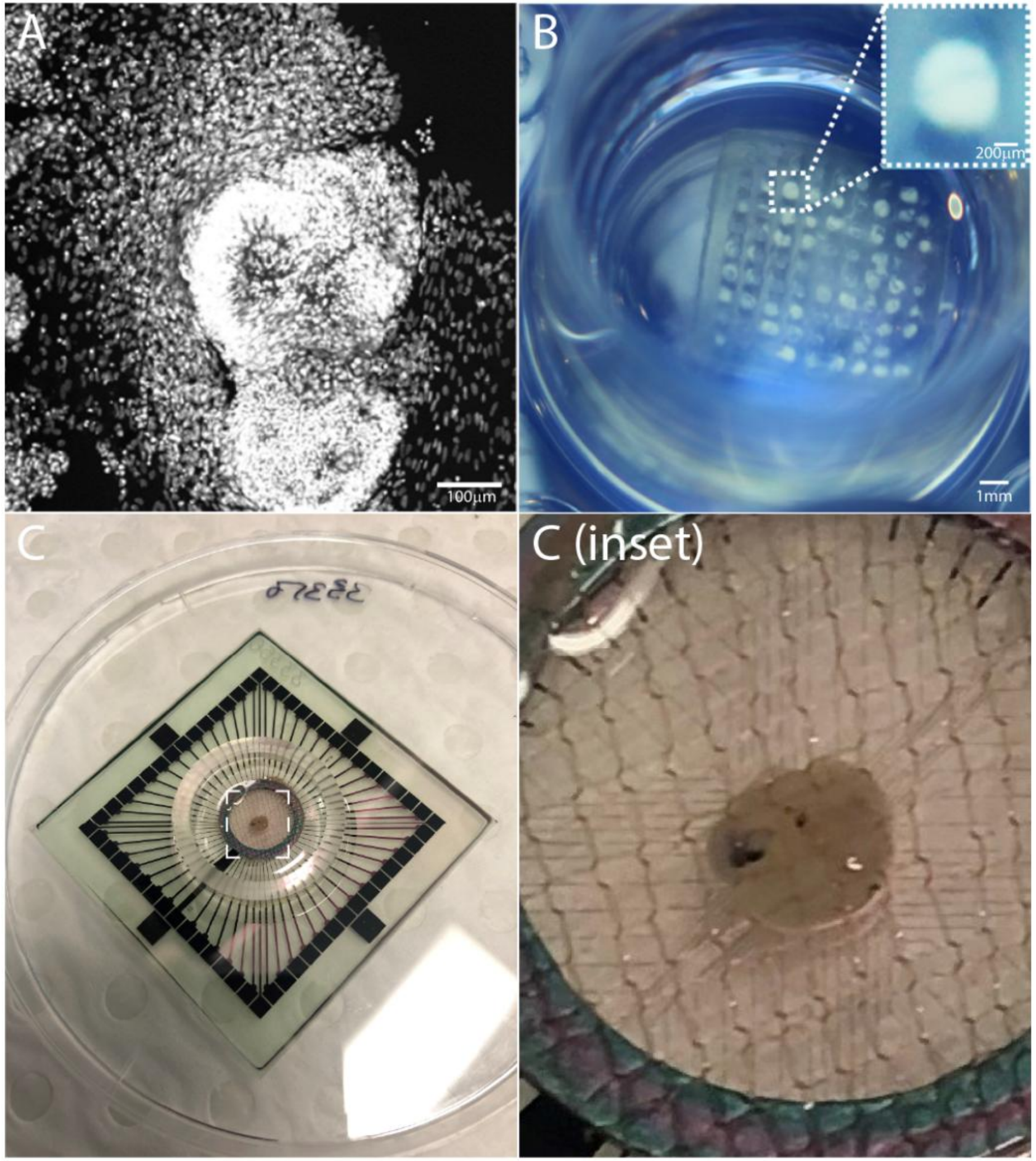
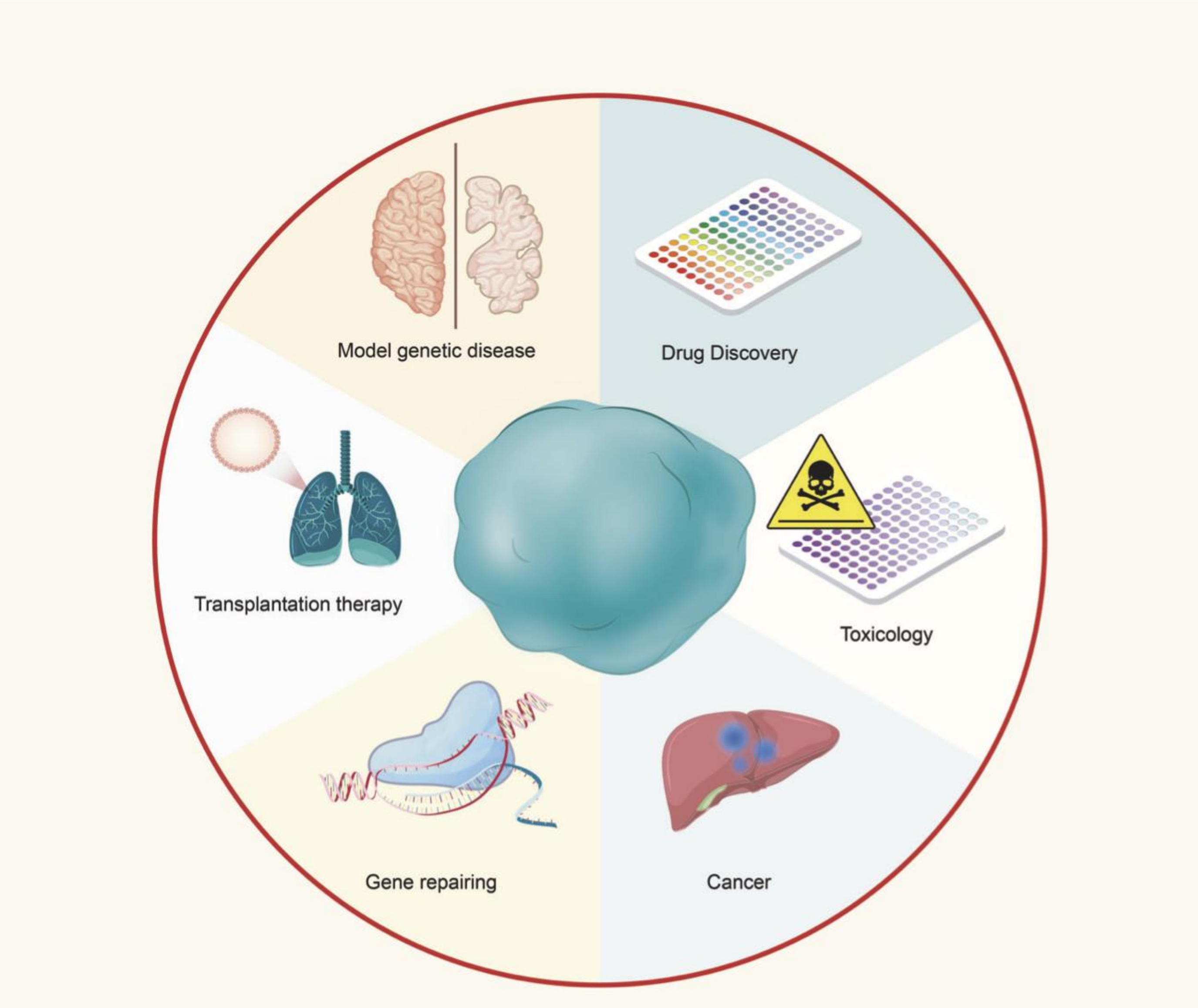


Nature Materials 2021.-



Organoids 2023.-

Various applications of organoid technology.

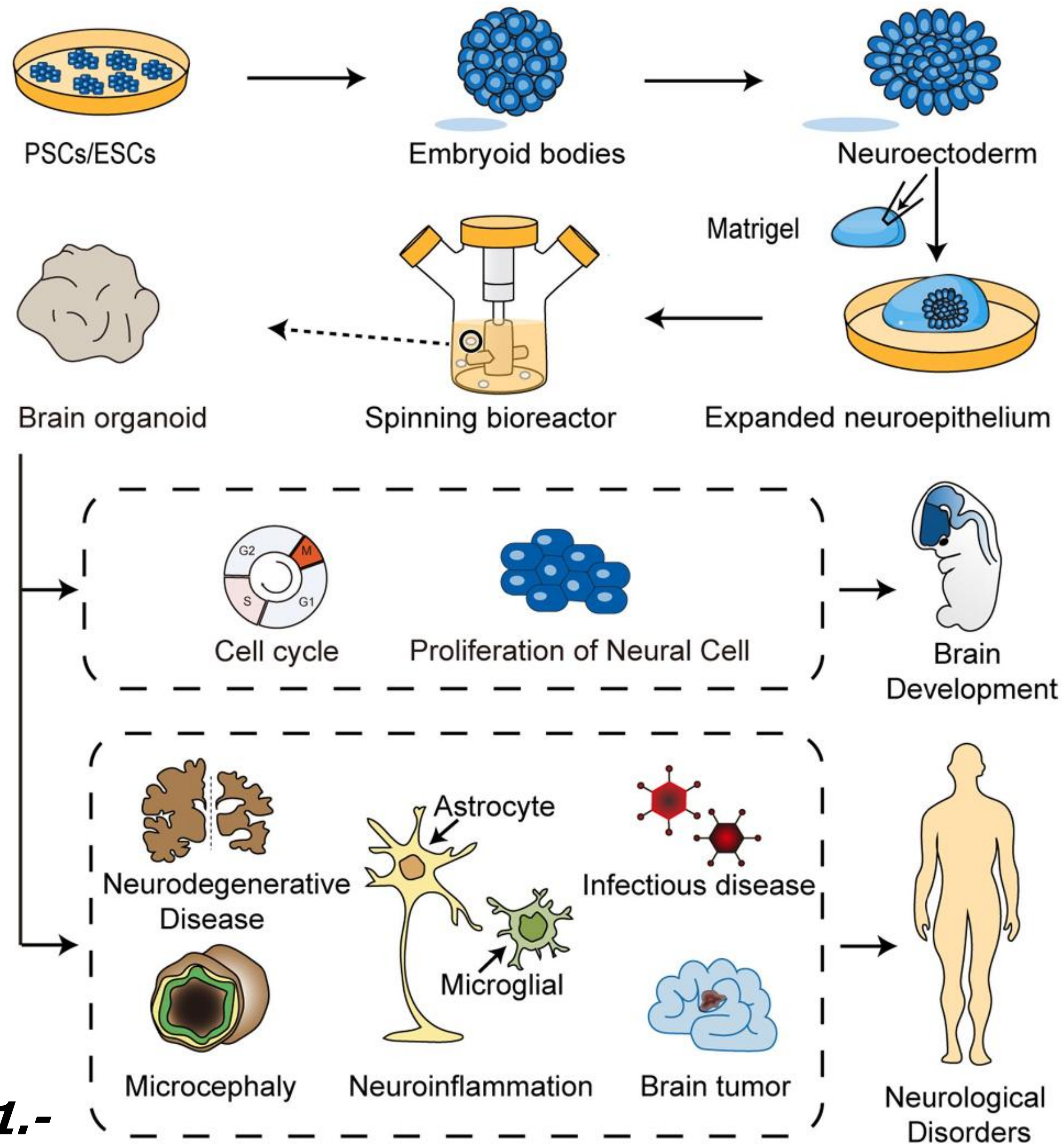


Signal Transduction and Targeted Therapy (2022)7:168

Applications of brain organoids in neurodevelopment and neurological diseases.-

Sun et al. J Biomed Sci 2021.-

Schematic of the generation and applications of brain organoids.

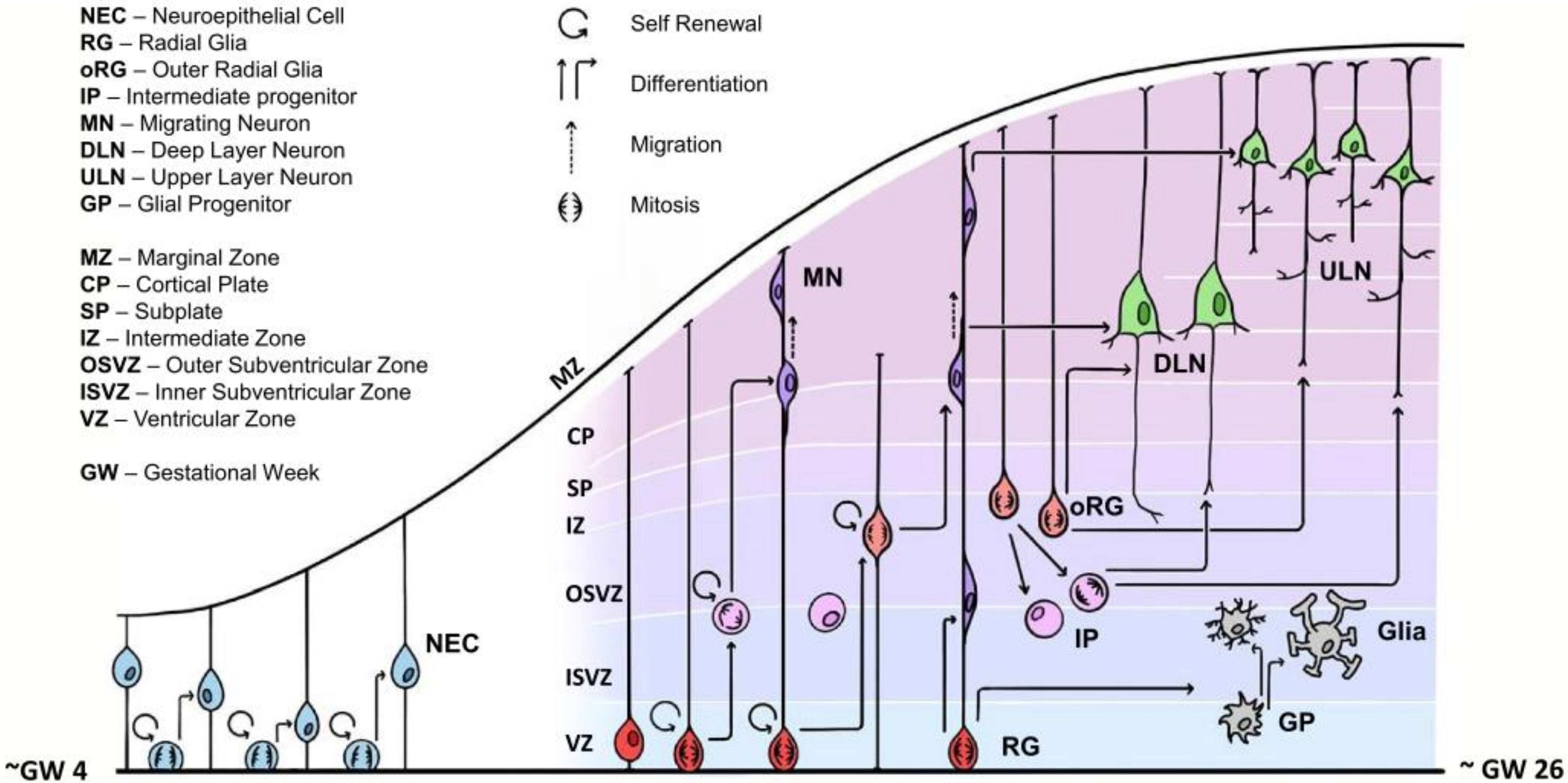


Sun et al. J Biomed Sci 2021.-

Using organoids to study human brain development and evolution.-

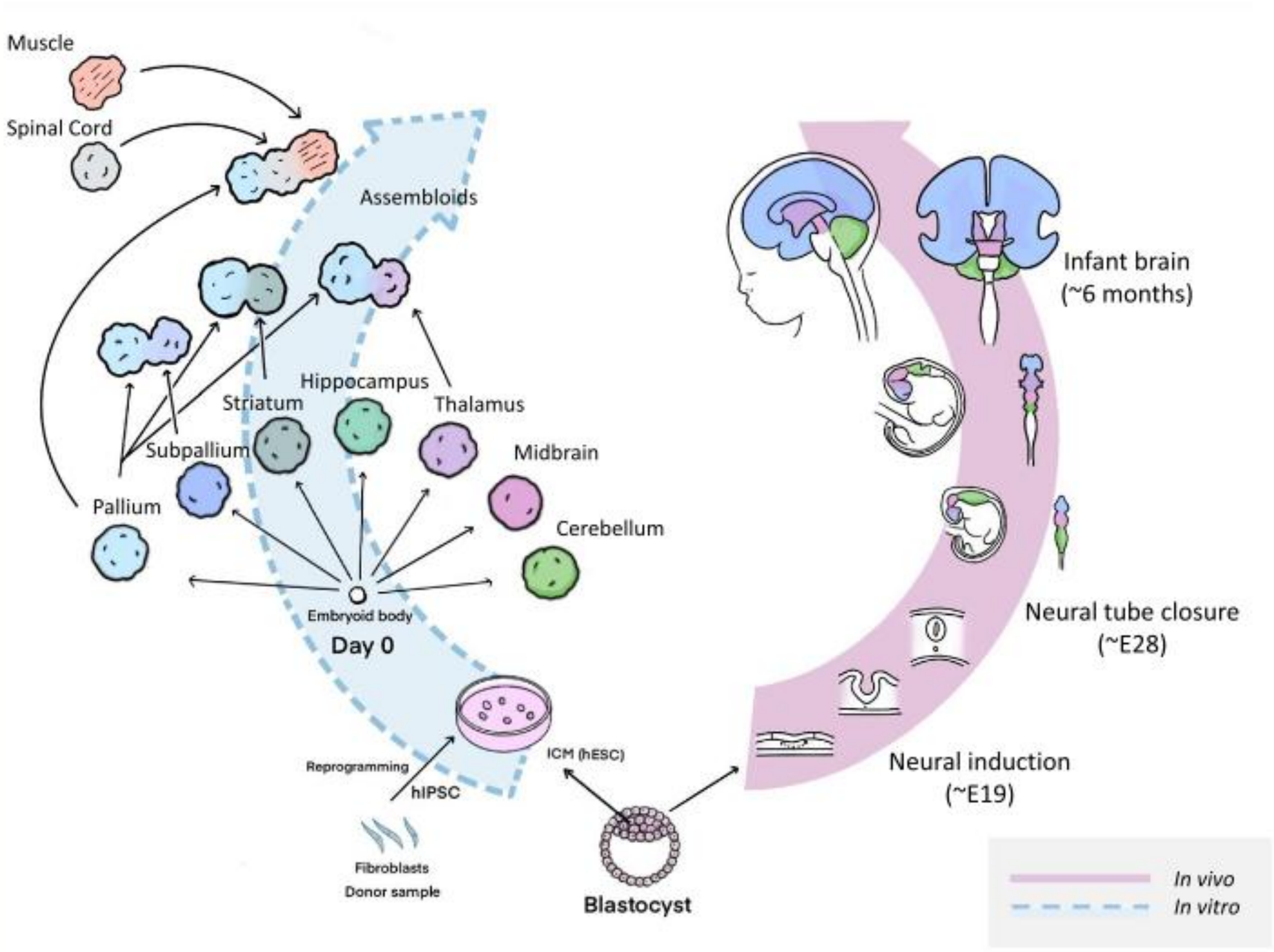
Sun et al. J Biomed Sci 2021.-

Cell types involved in corticogenesis.



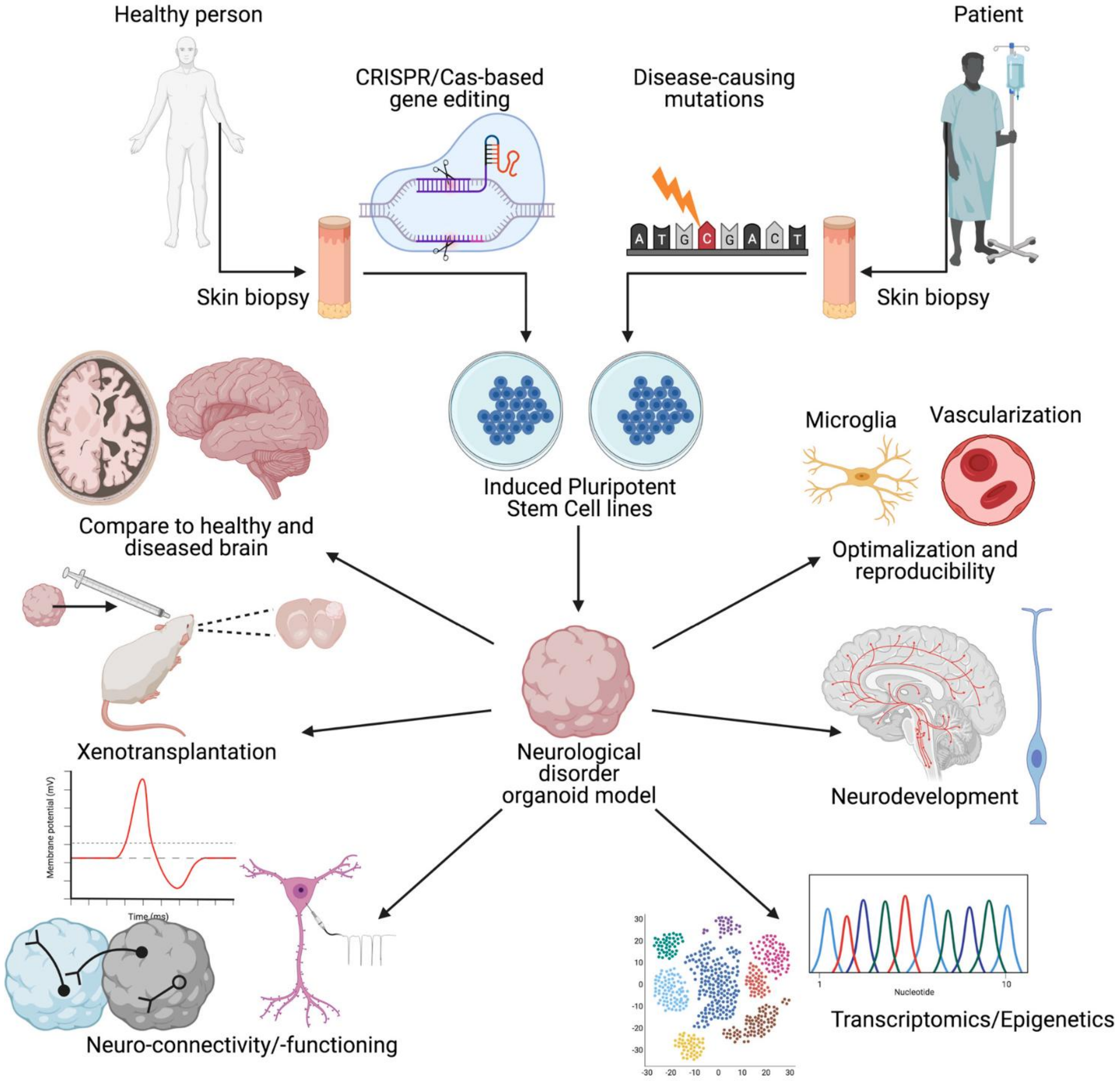
Sun et al. J Biomed Sci 2021.-

Generation of region-specific brain organoids to model regional interactions of the human brain.



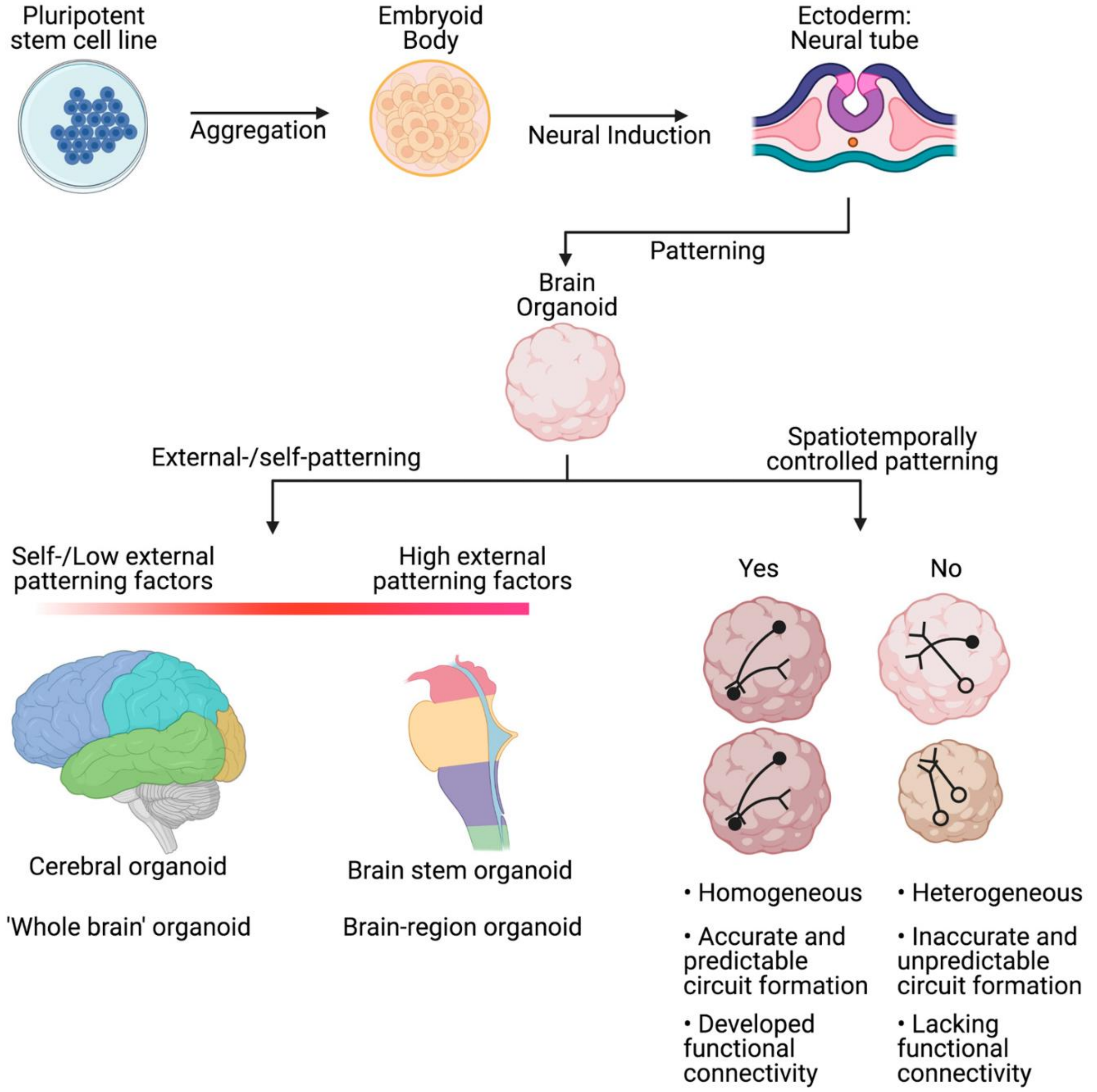
Sun et al. J Biomed Sci 2021.-

A schematic overview of the creation of and uses for organoid models of neurological disorders.



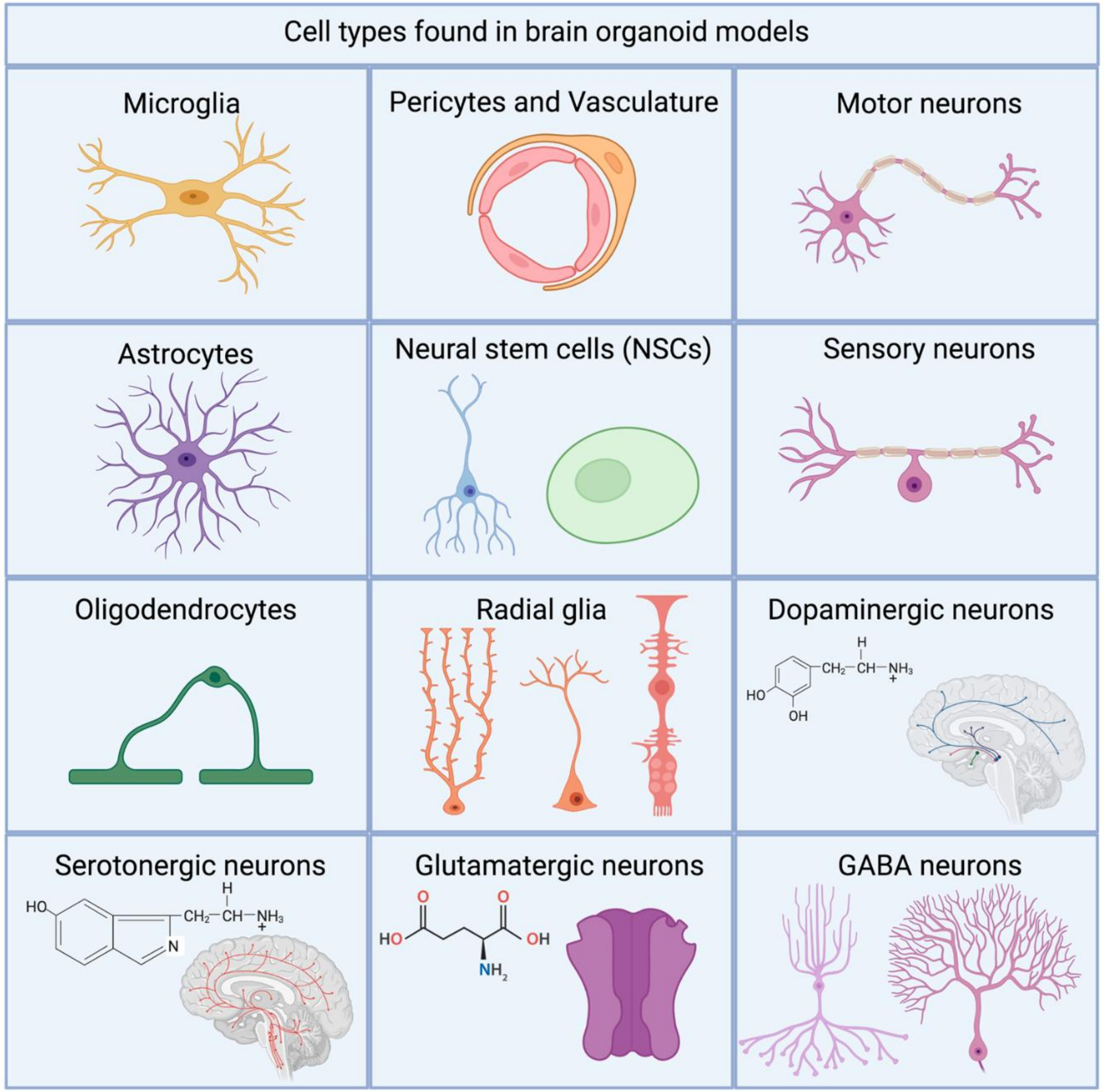
Biology 2021.-

Schematic overview of the differentiation progress of organoids with patterning factors.



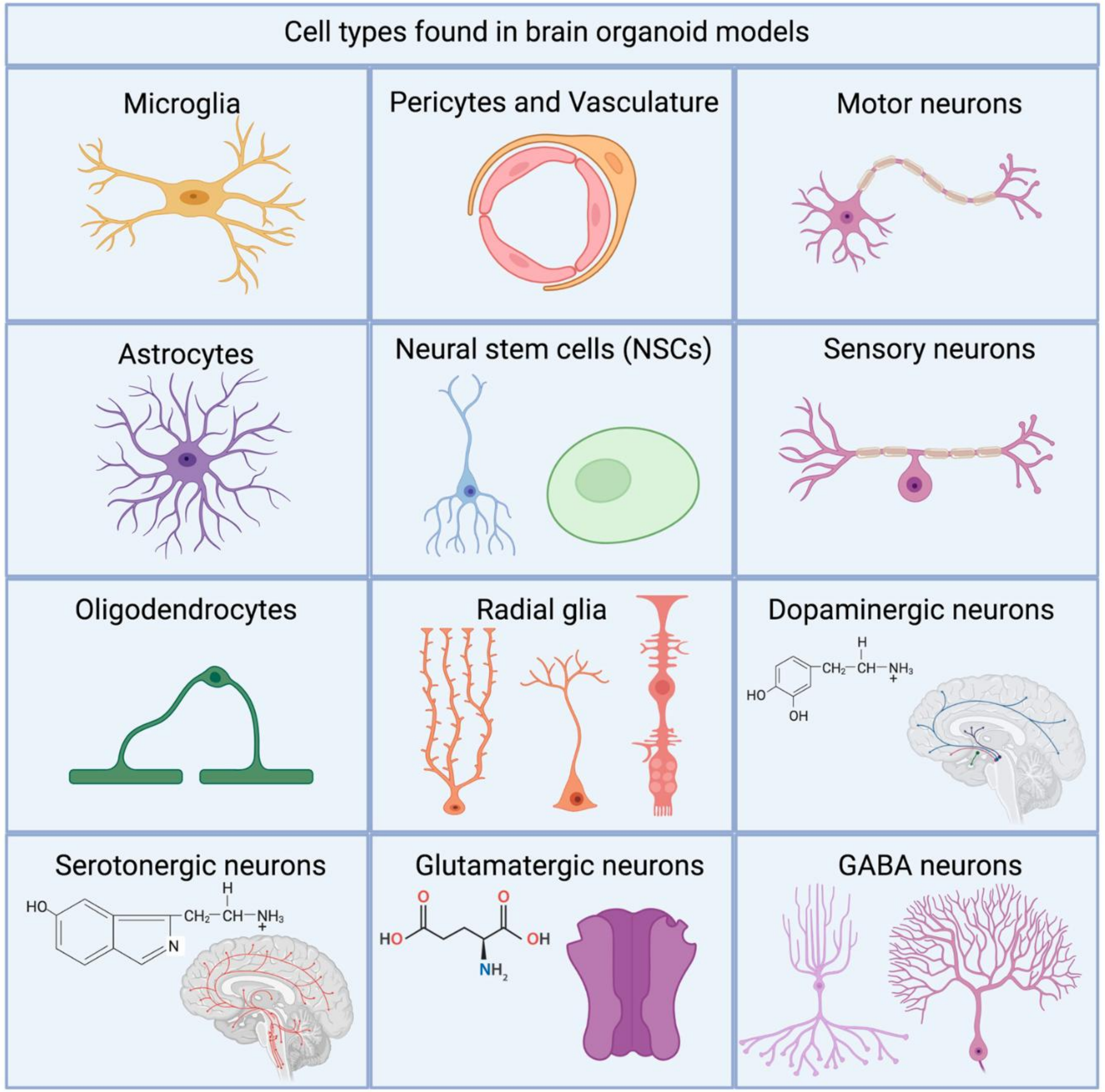
Biology 2021.-

Non-exhaustive schematic overview of the different types of cells found in different organoid models.



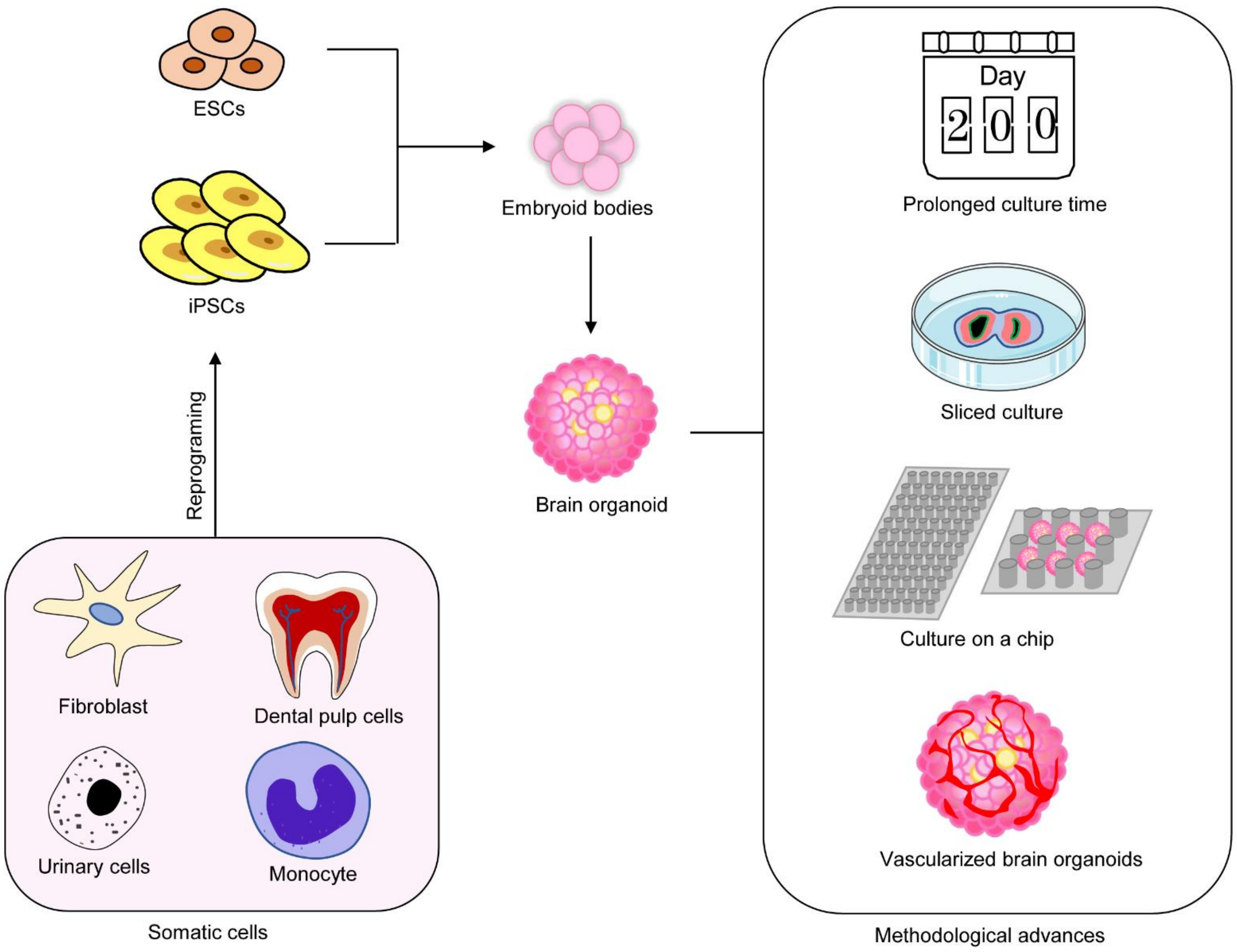
Biology 2021.-

The Application of Brain Organoids: From Neuronal Development to Neurological Diseases



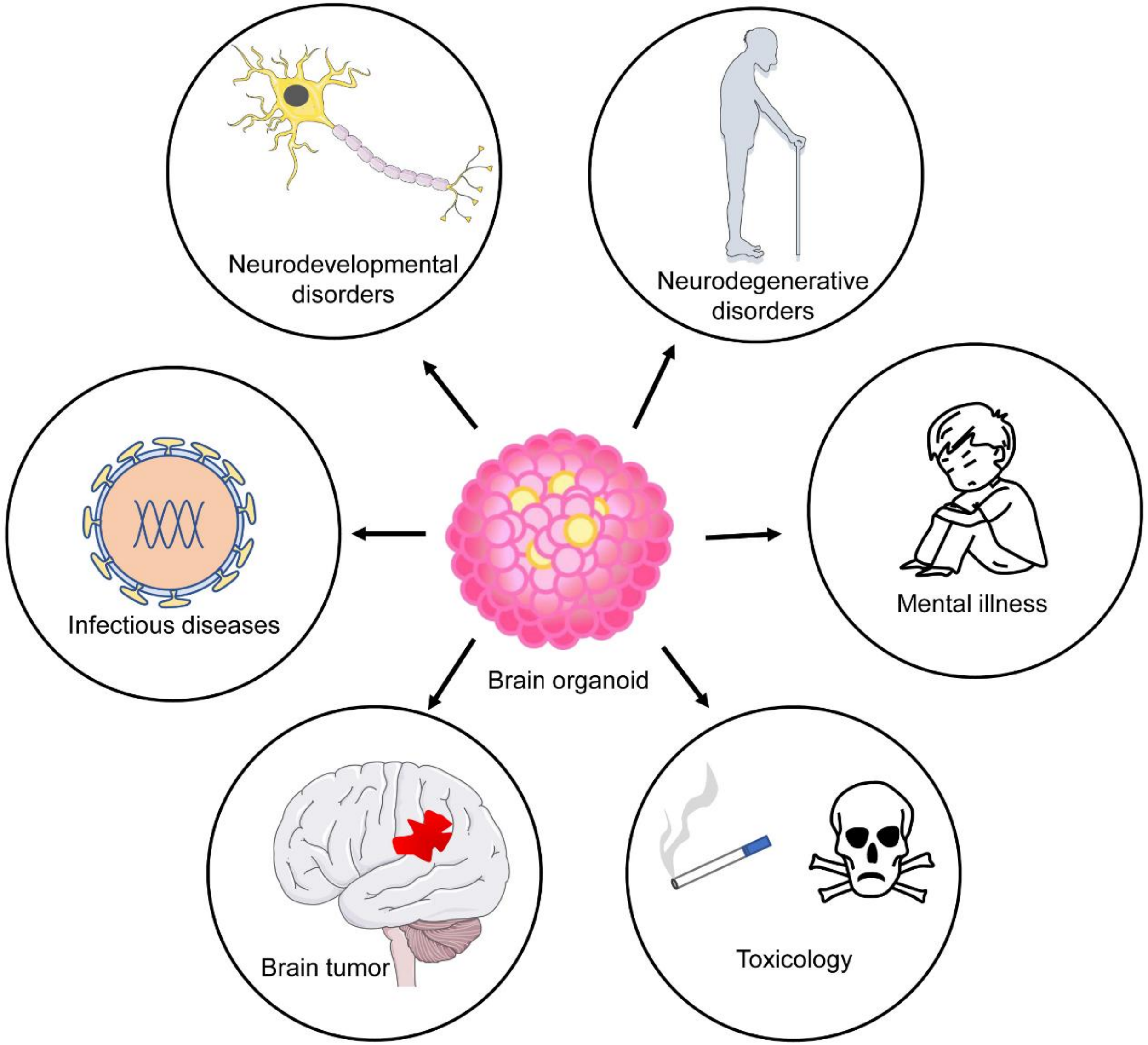
Frontiers in cell and developmental Biology.-

Recent methodological advances in brain organoids. Multiple methods have been used to improve the maturation of brain organoids.



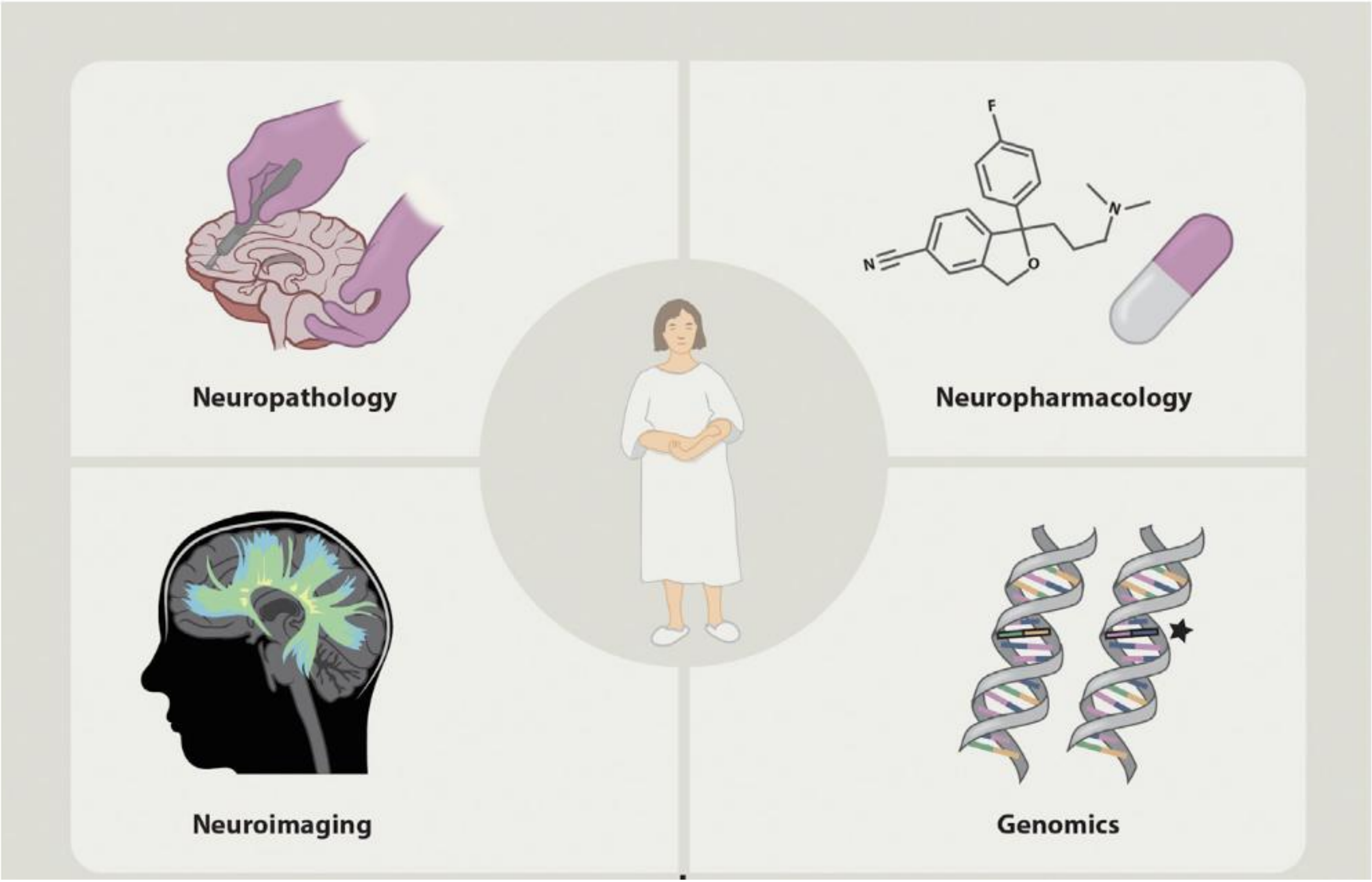
Frontiers in cell and developmental Biology.-

Application of brain organoids as disease models. Brain organoids have been used to model neurodevelopmental and degenerative diseases.

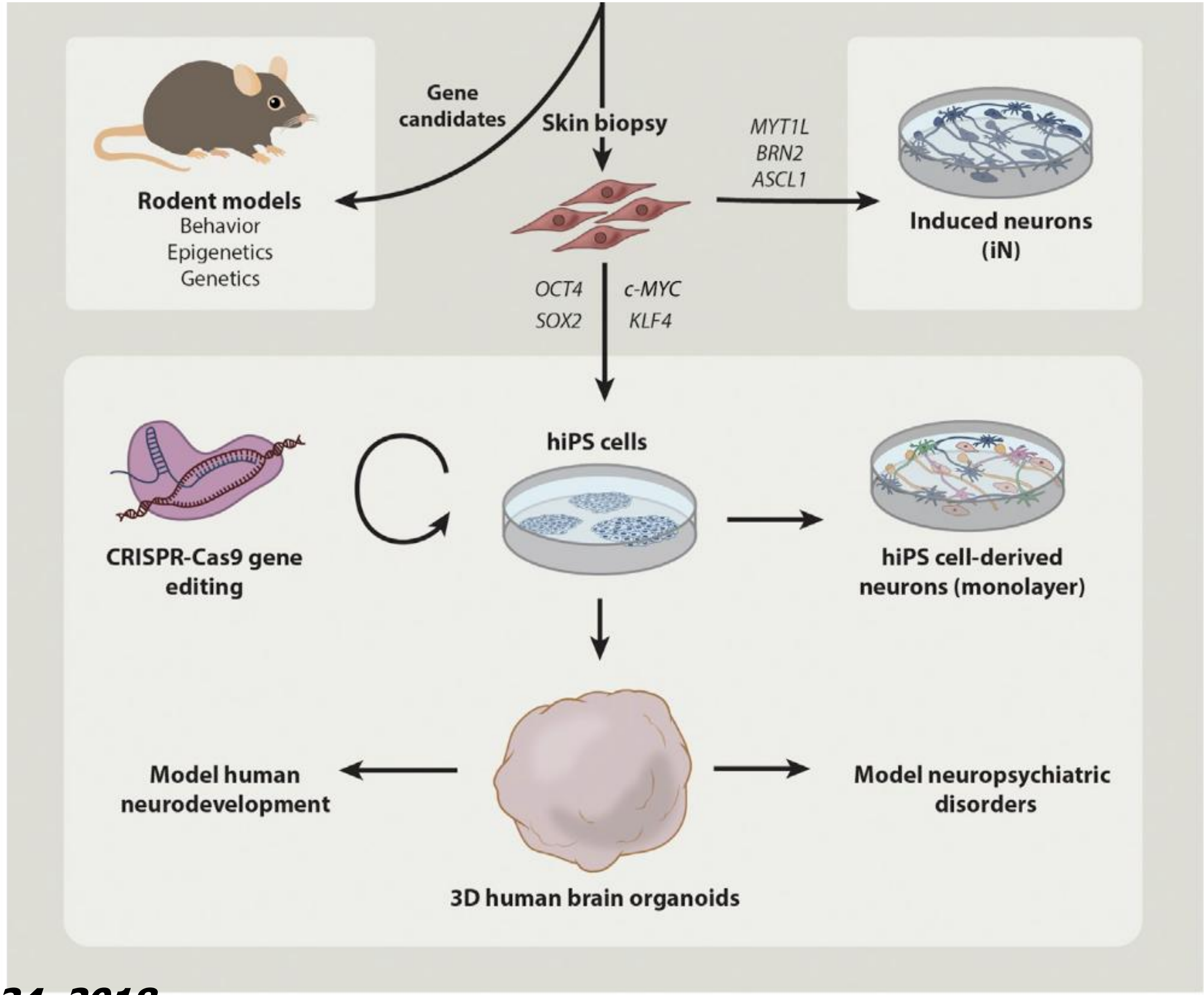


Frontiers in cell and developmental Biology.-

Investigating Neuropsychiatric Disorders.-

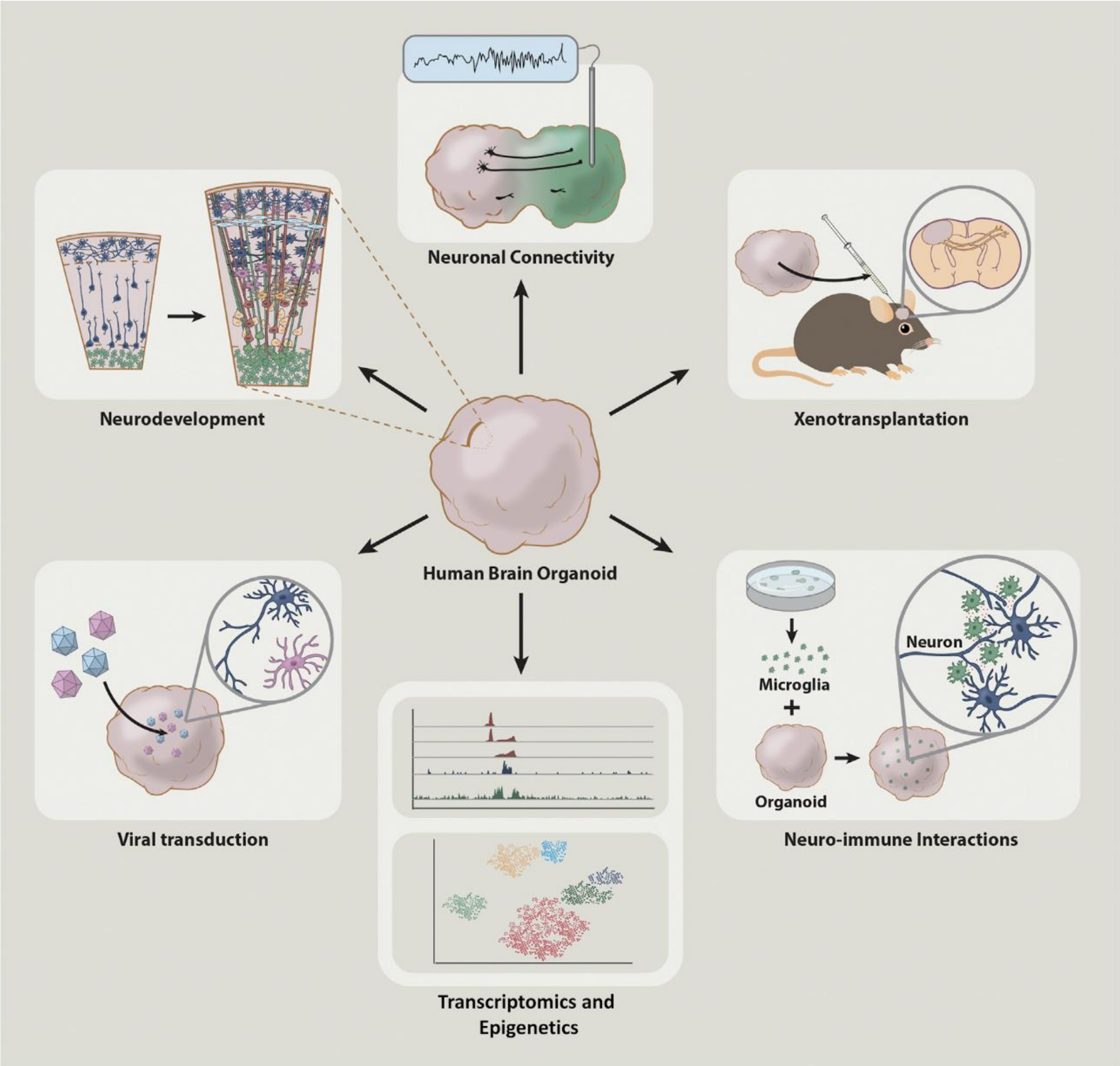


Neuron 100, October 24, 2018.-

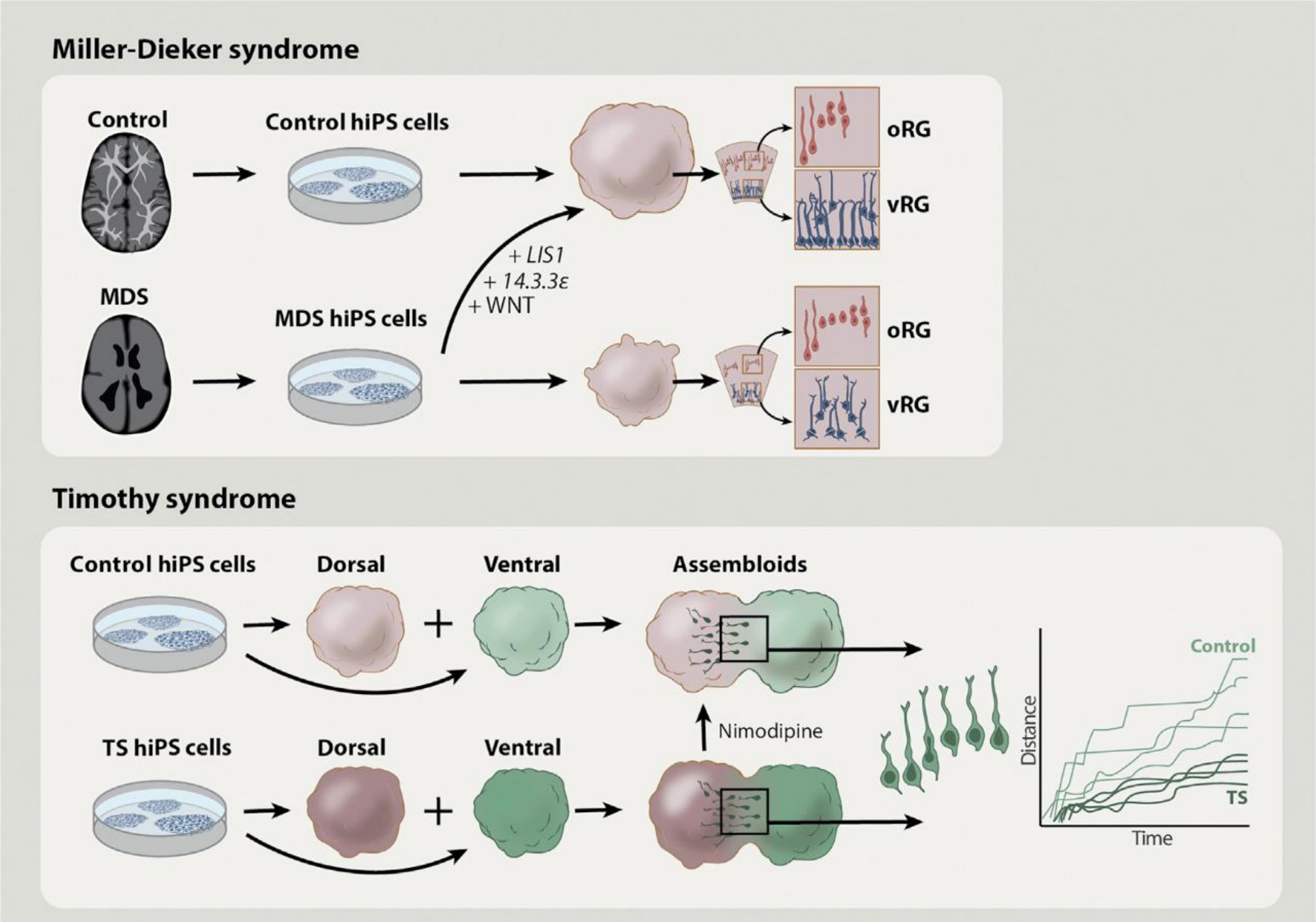


Neuron 100, October 24, 2018.-

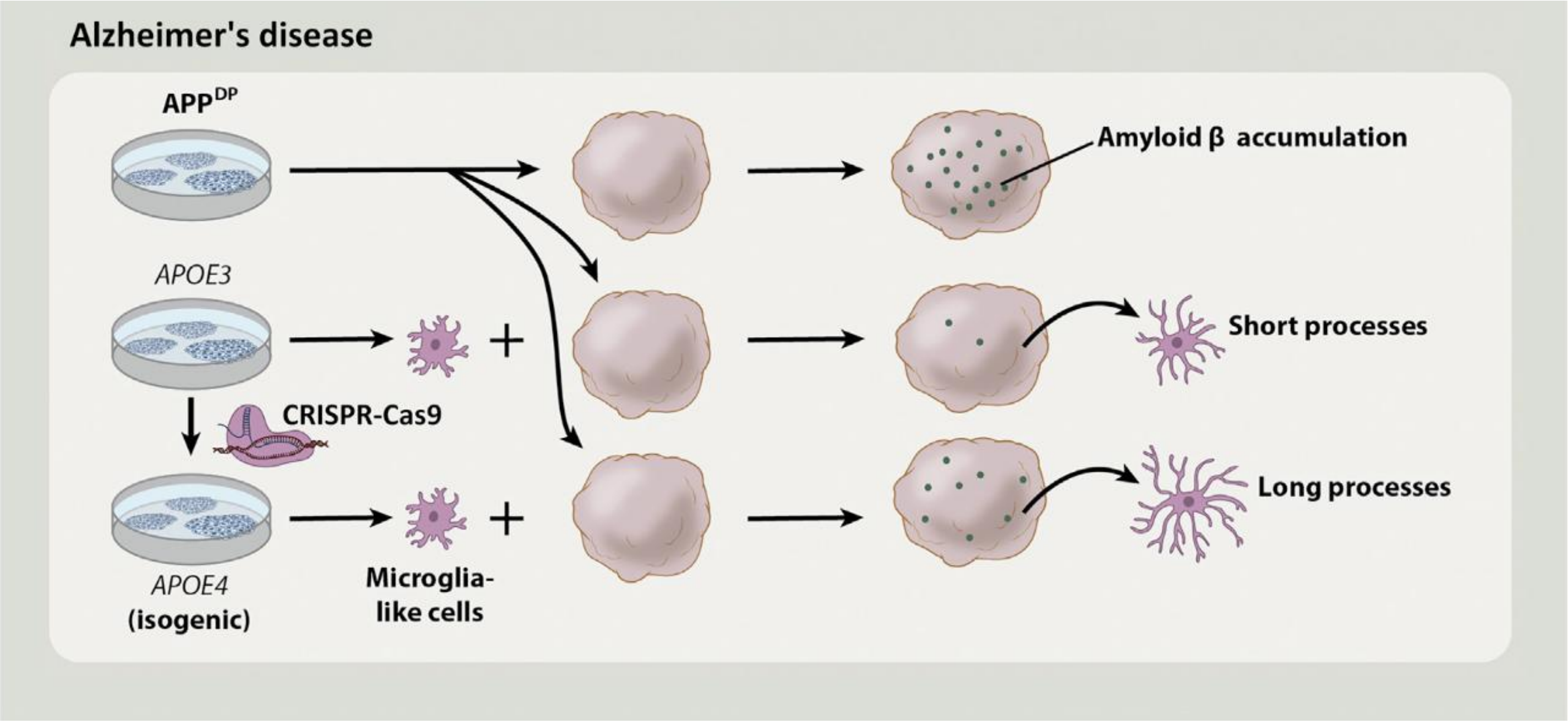
Human Brain Organoids Are Versatile and Accessible Cellular Models



Neuron 100, October 24, 2018.-

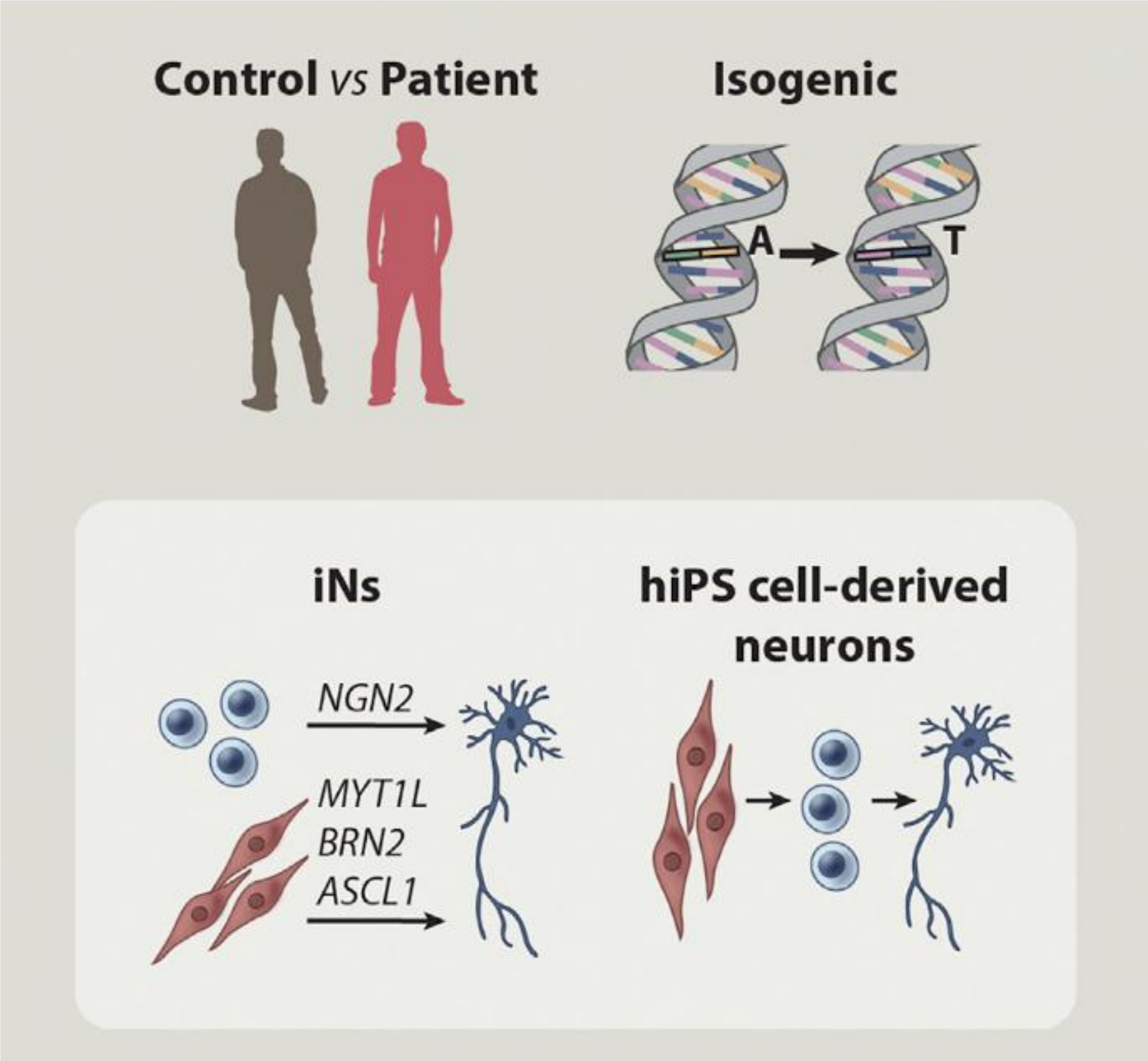


Neuron 100, October 24, 2018.-



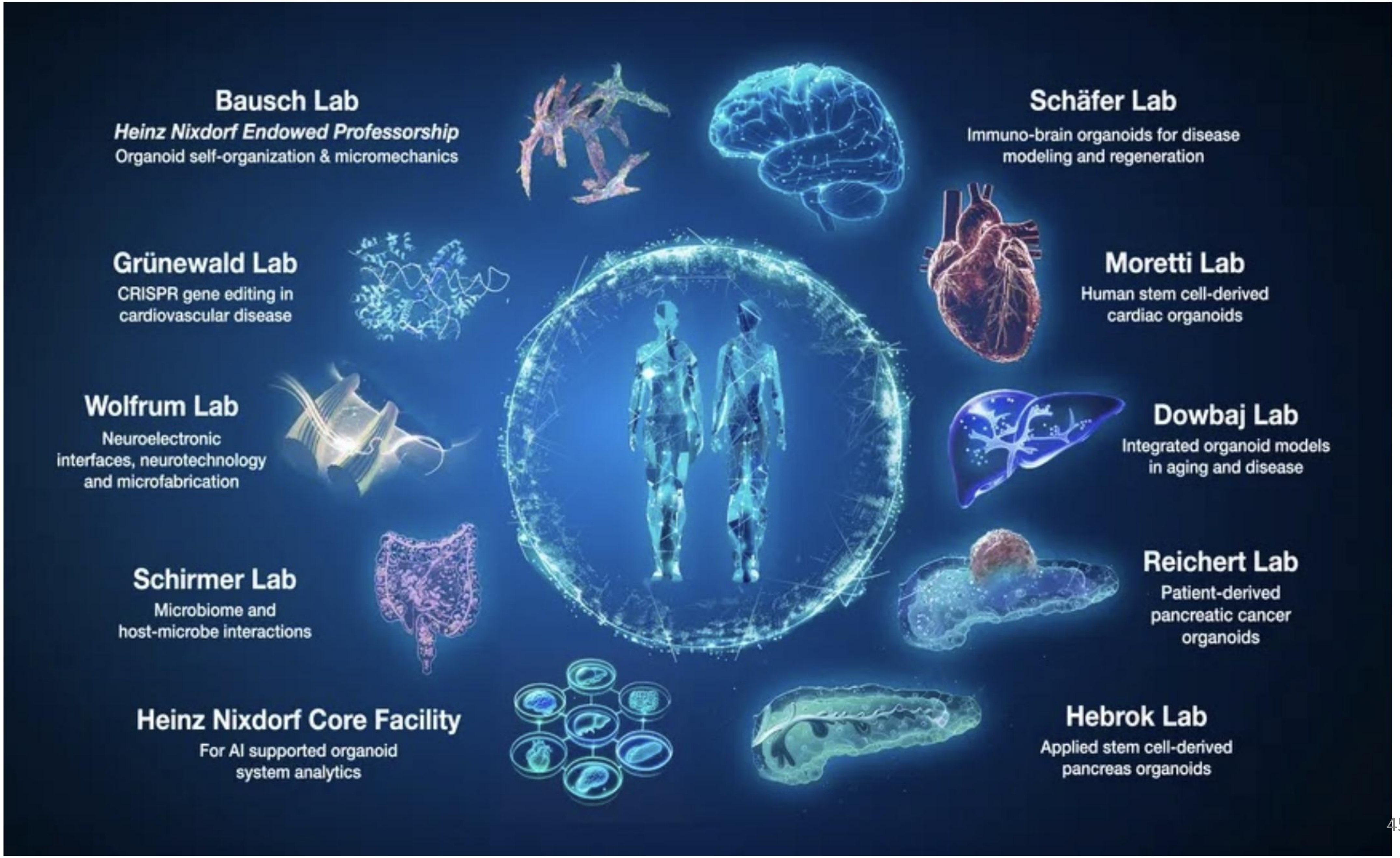
Neuron 100, October 24, 2018.-

Considerations in Stem Cell-Based Experimental Design



Neuron 100, October 24, 2018.-

Center of organoid systems



Bioprinting of organoids and organoid-forming cells is still in its infancy; however, it may open up the door for using organoids in tissue engineering, enabling the formation of functional organs and large-scale growth of artificial tissues.

Nature 2021.-

THANK YOU.-