MOOC Advances in Stem Cell Biology

A FREE ONLINE COURSE OF THE INSTITUT PASTEUR

Stem cells have the spectacular ability to restore the function of damaged tissues, providing major opportunities for fundamental studies on organogenesis, regeneration, diseases, and ageing. In spite of intense research in this field, many unanswered questions remain regarding stem cell regulation and function.

During this MOOC you will learn about the characteristics and properties of stem cells, along with the latest discoveries in the field from general concepts to different categories of stem cells, and how they participate in organogenesis in the organism - and in a dish.

AT THE END OF THIS COURSE, YOU WILL BE ABLE TO:

- Summarize the general concepts in stem cell biology.
- Describe how tissue specific stem cells participate in organogenesis.
- Explain how to derive pluripotent stem cells.
- Define how organoids can help to understand development biology.
- Discuss stem cell applications for therapeutic purposes.

- Starts on April 14, 2022
- Free
- Certificate available
- English with French subtitles
- Estimated effort: 2h30/week
- Webinar with experts

REGISTER ON:

DIRECTOR:

- Shahragim Tajbakhsh

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FUN https://www.fun-mooc.fr/en/courses/advances-stem-cell-biology/

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