



Dr. Shahragim Tajbakhsh

Stem Cells & Development Unit,
Pasteur Institute, Paris

Stem and niche cell dynamics during development and regeneration

Date: 4:00 pm, March 22 (Fri), 2024.

Venue: 2F seminar room, Medical Innovation Center,
Graduate School of Medicine, Kyoto University
<https://www.mic.med.kyoto-u.ac.jp/english/about/access.html>

Muscle stem cells are heterogeneous in properties, both within a single muscle, and in different anatomical locations. Following muscle injury, MuSCs can self-renew and differentiate through symmetric (SCD) and asymmetric (ACD) cell divisions and the relative frequency of these modes of cell division are dynamic during muscle regeneration. We developed static and novel live imaging pipelines to assess MuSC fates in different normal and pathological conditions and exposed novel properties of myogenic cells.

Tajbakhsh 博士は、組織幹細胞から、いかにして器官が形成・維持・再生されるかという基本的な問題に、骨格筋を対象として取り組み、多くの優れた業績を挙げてこられました。とりわけ、最近では筋肉幹細胞の live imaging でその驚くべきダイナミクスを明らかにされています。毎年、桜の季節に京都に滞在されるのに合わせ、セミナーをお願いしました。急なお知らせですが、ぜひお集まりください。