

発生医学研究所 着任講演会

胎盤発生分野 岡江寛明教授が1月より発生研に着任されました。
下記の通り記念講演を開催します。

このセミナーは英語で行われます。This seminar will be held in English

【Date】 24 January (Tue), 2023 15:00-16:00

【Venue】 発生医学研究所 1 階カンファレンス室 + Zoom

※入室は20名まで、ZOOM 配信します。詳細はメールでお知らせします。

【Title】 Unlocking the mysteries of pregnancy with stem cells

幹細胞を駆使して妊娠の謎に迫る

【Speaker】 胎盤発生分野 岡江 寛明 教授
Department of Trophoblast Research
Professor Hiroaki Okae

【Abstract】

The placenta is essential for mammalian development, and its abnormalities can cause various pregnancy complications. Despite its importance, our current knowledge of placental development is very limited compared to other organs, especially in humans. To overcome this problem, we have established a culture system of human trophoblast stem cells (TSCs), paving the way for *in vitro* studies of human placental development and function. Using human TSCs and other cutting-edge stem cell technologies, we are now studying human implantation, pregnancy complications, and placental evolution. In this talk, I will present our recent study on pregnancy complications and demonstrate the utility of disease-specific human TSCs. I will also talk about our ongoing attempt to decipher the evolutionary relationship between human and mouse trophoblast cells.

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