

大学院特別講義

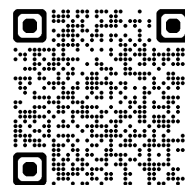
(医歯学先端研究特論)(生命理工学先端研究特論)

(医歯理工学先端研究特論)

Zoom によるオンライン講義

受講希望者は下記の URL または右 QR コードよりご登録ください。

https://zoom.us/meeting/register/F49b_0ubReOGxSTTDE_0yA



なお、本学の学生については出席確認のため本講義を受ける際は
本学の機関登録をした Zoom ID とパスワードでログインするようお願いします。

記

1. 講 師 Centre for Cancer Biology
University of South Australia and SA Pathology
Prof. Natasha L. Harvey
2. 演 題 Defining the genetic and developmental events
underlying human lymphatic vascular diseases
3. 日 時 2025年10月14日(火)16:00～18:00
4. 要 旨

Lymphatic vessels are an integral component of the cardiovascular and immune systems. These specialised vessels play key roles in fluid homeostasis, dietary lipid absorption and immunity. While defects in the development and function of lymphatic vessels have long been recognised to underlie lymphatic vascular anomalies and primary lymphoedema, new roles for lymphatic vessels in pathological conditions including atherosclerosis, glaucoma and neurodegenerative diseases are rapidly emerging. Our work has revealed that pathogenic variants in the genes GATA2, FAT4 and MDFIC cause lymphatic disorders including primary lymphoedema and complex lymphatic anomalies due to their crucial roles in the construction of valves in the lymphatic vasculature. Our current work aims to define the mechanisms by which these genes control the process of valve development and in particular, the transcriptional mechanisms by which GATA2 and associated transcription factors program the identity of lymphatic vessel valve endothelial cells. Ultimately, understanding the genetic and molecular basis of human lymphatic diseases will inform our knowledge of the cellular events and signalling pathways important for building functional lymphatic vessels, information that will underpin the design of novel, targeted therapeutics for the treatment of lymphatic vascular disorders.

東京科学大学 病態生化学分野 渡部 徹郎
連絡先: (小林 美穂 miho-k.bch@tmd.ac.jp 内線 5449)