

第 417 回難研セミナー

下記により難研セミナーを開催しますので御来聴下さい。

日時：2009 年 4 月 10 日（金）午後 5 時～7 時

場所：難研駿河台地区 2 階セミナー室

演者：**Kinji Asahina, PhD, Assistant Professor**

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Department of Pathology, Keck School of Medicine, University
of Southern California)

演題：**Developmental origin of hepatic stellate
cells and their progenitor cells**

要旨：Hepatic stellate cells (HSCs) are located in the space of Disse between hepatocytes and sinusoidal endothelial cells in the adult liver and play a central role in liver fibrosis. However, the knowledge concerning fetal HSCs is scarce, and their cell lineage and functions are largely unknown. We recently identified novel cell surface markers that distinguish different populations of liver mesenchymal cells during liver development. One such unique mesenchymal cell population is termed submesothelial cell, which exists beneath the mesothelium of the developing liver. Our results suggest that submesothelial cells are the precursor for HSCs in developing liver. We also demonstrate that fetal HSCs and submesothelial cells are derived from mesoderm during embryogenesis. Further characterization of submesothelial cells may contribute to new insights into mesenchyme-epithelial interactions in both liver development and regeneration.

Ref. Asahina K, et al. (2009) Mesenchymal origin of hepatic stellate cells, submesothelial cells, and perivascular mesenchymal cells during mouse liver development. Hepatology **49**:998-1011.

連絡先：病態生化学分野 寺岡弘文（内線 8074）

共催分野：発生再生生物学（仁科博史教授、内線 4659）