

# 第224回 Bone Biology Seminar

第45回グローバルCOE講演会共催  
歯と骨の分子疾患科学の国際教育研究拠点  
ーデント・メドミクスのインテリジェンスハブー

演 題 : Regulation of tendon extracellular matrix  
assembly.

日 時 : 平成23年8月11日(木) 16:00

場 所 : MDタワー21階大学院講義室(西側セミナー室)

講演者 : Dr. David E. Birk, Ph.D.

Professor of Department of Pathology &  
Cell Biology University of South Florida



1. Dysfunctional regulation of corneal collagen fibrillogenesis in the absence of collagen V: abnormal stromal structure and function in a stroma-specific collagen V-null mouse model.  
Sun M, Chen S, Adams SM, Florer JB, Liu H, Kao W W-Y, Wenstrup RJ, Birk DE. **Journal of Cell Science**, 2011 (In press)
2. Type XII collagen regulates osteoblast polarity and communication during bone formation.  
Izu Y, Sun M, Zwolaneck D, Veit G, Williams V, Cha B, Jepsen KJ, Koch M, Birk DE. **The Journal of cell Biology** 2011, 193:1115-1130.
3. Regulation of collagen fibril nucleation and initial fibril assembly involves coordinate interactions with collagens V and XI in developing tendon.  
Wenstrup RJ, Smith SM, Florer JB, Zhang G, Beason DP, Seegmiller RE, Soslowsky LJ, Birk DE. **Journal of Biological Chemistry** 2011, 286:20455-20465.

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