



# CDB SEMINAR

**Speaker:**

**Dusko Ilic**

Department of Stomatology,  
University of California San Francisco

**Title: “FAK, a multitasking protein: crosstalk with p53  
and a role in skin barrier formation”**

**Date: Monday, December 6**

**Time: 17:00 P.M.~18:00 P.M.**

**Place: 1F Auditorium of Building C, CDB**

## Summary

FAK is major structural and enzymatic component in focal adhesions, sites of cell - extracellular matrix (ECM) interaction. Lack of signals from ECM component fibronectin through FAK at late gastrulation stage of mouse embryos resulted in a proliferation block of either fibronectin- or FAK-null mouse embryonic fibroblasts by p53/p21-dependent mechanism. Tissue-specific deletion of FAK in keratinocytes affected pH-dependent formation of skin barrier through control of sodium-proton exchanger NHE1, which provides a crucial mechanism for regulation of stratum corneum pH.

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