

NCGG SEMINAR

“The germinal center reaction” -cross road between immunity and cancer-

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IFOM-IEO Campus, Milano, Italy**

**Time and Date: at 10:30 ~ 11:30
on 13 Nov, 2013 (Wed)**

**Room: The 2nd floor conference room
in the 2nd Research building at NCGG**

<references for seminar>

To identify the mechanism that regulates germinal center(GC) B cell proliferation, differentiation and survival supports to understand not only the long-term protective B cell immunity but also B cell lymphomagenesis. Here, I will summarize our recent work that has identified the Histone H3 lysine-27 methyltransferase EZH2 as a novel key regulator of the GC response and also describe our recent contribution to the understanding of the role played by the immunoglobulin receptor in the pathogenesis of an aggressive form of GC derived Non-Hodgkin lymphoma, using the mouse model and conditional in vivo gene targeting.

*Caganova M, [Casola S](#) et al. Germinal center dysregulation by histone methyltransferase EZH2 promotes lymphomagenesis. J Clin Invest. 2013. In press.

*Pengo N, [Casola S](#) et al. Plasma cells require autophagy for sustainable immunoglobulin production. Nat Immunol. 2013 Mar;14(3):298-305.

*Lechouane F, [Casola S](#) et al. B-cell receptor signal strength influences terminal differentiation. Eur J Immunol. 2013 Mar;43(3):619-628.

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