The Max Planck Center Seminar Series

演者: Dr. Vincent P. Kelly
Trinity College Dublin, Ireland.

演題: RNA modified bases & grammar education for the naïve immune system

RNA modified bases encompass over 100 different chemical structures, the majority of which are associated with transfer RNA (tRNA). The modifications in tRNA provide structural integrity to the molecule, act as molecular handles for interacting proteins and contribute to the fidelity and efficiency of protein synthesis. In this presentation I will discuss our continuing efforts to understand the function and activity of a highly unusual RNA base referred to as queuine. Queuine is supplied to eukaryotic organisms, including humans, exclusively by bacteria for incorporation into the 'wobble-position' of the tRNA molecule (position 34). I will describe our studies on queuine's role in metabolism, proliferation, and cancer and present new data showing how variation of the wobble base elicits dramatic changes to the immune response.

日時: 平成28年7月15日(金) 午後12時00分～13時00分
＊ランチョンセミナー形式で、昼食をお出しします。

場所: 東京大学　医学部教育研究棟2階(202)
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