

Prof. Roger M. Leblanc 特別講演会

演 題 : **Surface Chemistry and Spectroscopy towards Sensing**

演 者 : **Prof. Roger M. Leblanc**

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日時 : 2006年6月9日(金) ~~17時~18時~~ 16時~17時

時間変更となりましたので御注意下さい。

場所 : 九州大学薬学部 第4講堂 (2519号室)

主催 : 日本薬学会九州支部

Abstract: Chemi and biosensor development has been in the focus of the researchers for many years. Herein, the focus is related to sensing using surface chemistry and spectroscopic methods on the detection of organophosphorus compounds using enzymes, combinatorial surface chemistry towards two dimensional biomimetics of binding sites and detection of the marine toxin, Saxitoxin. The methods used involved a range of surface chemistry "classical" techniques as well as UV-Vis, fluorescence, circular dichroism, IR techniques and imaging ellipsometry. The results show that it is possible to form in structures in 2D by combinatorial chemistry towards a specific analyte. The detection of various analytes can be performed with the "sensing molecules" in solution, transferred on solid support by Langmuir-Blodgett, Layer-by-Layer deposition or covalent attachment having a good selectivity and detection.

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