



平成 31 年 3 月 日

大学院生各位

To All Graduate Students

平成 30 年度
基盤医学特論 開講通知
Information on Special Lecture Tokuron 2018

Title : 「**Aldo-Keto Reductases: Structure,
Function and Ligand Design**」

Lecturer : **Ossama El-Kabbani, PhD**
Visiting Academic
Department of Molecular Biochemistry

日時 : 平成 31 年 3 月 26 日 (火) 16:00~17 : 30

Time and Date : From 16 : 00~17 : 30 , Tuesday, March 26, 2019

会場 : 基礎別館 3 階 修士講義室 (301)

Room: Lecture Room 301, Basic Medical Research Building Annex.

Abstract :

This lecture will describe the experimental and analytical techniques used to determine protein structures belonging to the aldo-keto reductase family. The topics covered will include the physical factors contributing to the three-dimensional structures of proteins, experimental and computer aided methods for determining protein structures and their complexes with ligands. The molecular structure of a protein reflects its function. Understanding the structure-function relationship of a protein yields insights that can be of great practical value. For instance, understanding the shape of a binding site on an enzyme implicated in a disease can help researchers design a molecule that acts as a specific inhibitor of this enzyme. In this lecture several three-dimensional structures of targeted aldo-keto reductases complexed with their rationally designed inhibitors will be presented.

言語 : 英語 Language: English

関係講座・部門の連絡担当者 : 分子細胞化学 (生化学第二) 岡島徹也 内線 2070

Contact: 2070, Department of Biochemistry II

事前の申込は不要です。 No Registration required.

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Student Affairs Division, School of Medicine