



Structure Based Drug Discovery of Human G-protein Coupled Receptors

(ヒトG蛋白質共役型受容体の構造に基づく創薬)



The Scripps Research Institute
Department of Molecular Biology, Chemistry

Prof. Raymond C. Stevens

Date: July 21st (Tue.) 13:30 – 14:30

Place: Inamori Hall, Shirankaikan

Introduction:

He is one of the most active structural biologists worldwide. Most recently, he has been successful in his 16 year quest to generate **G-protein Coupled Receptor structural data** to provide insight into the basic science and drug discovery of the important family of human receptors. (human beta2-adrenergic receptor *Science* 318, 1258–65, 1266–73(2007), human A2A adenosine receptor *Science* 322, 1211–7(2008).)

He is one of the individuals that developed **Tamiflu** being used to treat those with flu. Besides Tamiflu, he also developed 2 other drugs on the market (**Kuvan** and **Botox**), with **2 more in human clinical trials** and the biggest impact will be the GPCR work where many new drugs will be developed. And also he has founded multiple biotech companies including **Syrrx** (acquired by **Takeda**).

His talk will be focused for specialists (structural biologists, medicinal chemists *etc.*).

- 第1回(7月9日)は、学生・一般研究者向けにわかりやすく、「G蛋白質共役型受容体」について生化学・医学・構造生物学・創薬等の分野を跨いでお話頂きます。第2回(7月21日)は、構造生物学者・創薬研究者向けに、「ヒトG蛋白質共役型受容体の構造に基づく創薬」に関してお話頂きます。
- 構造生物学と創薬の関係、海外ベンチャーに興味のある方も是非お越しください。

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