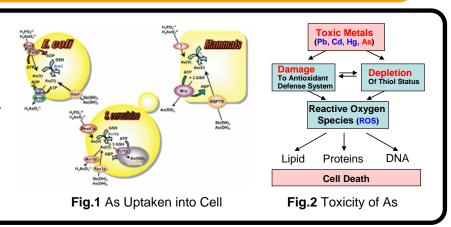
## Partitioning of Arsenic (V) on Biomembrane

Le Quoc TUAN<sup>1</sup>, Tran Thi Thanh HUONG<sup>2</sup>, Pham Thi Anh HONG<sup>3</sup>, Tomonori KAWAKAMI<sup>4</sup>, Hiroshi UMAKOSHI<sup>1</sup>, Toshinori SHIMANOUCHI<sup>1</sup>, Ryoichi KUBOI<sup>1\*</sup>

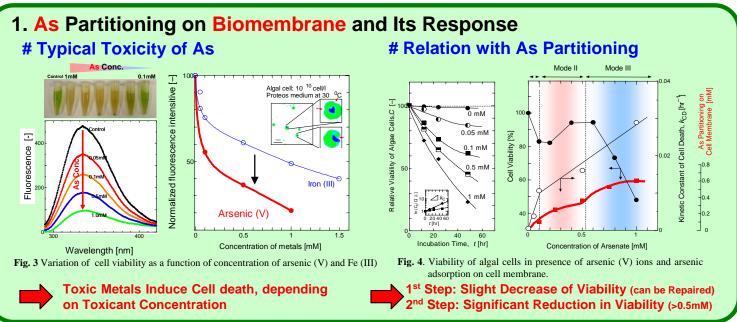
<sup>1</sup>Graduate School of Engineering Science, Osaka University, 1-3 Machikaneyama, Toyonaka 560-8531, JAPAN <sup>2</sup>Faculty of Basic Science, Nong Lam University, Ho Chi Minh City, VIETNAM, , <sup>3</sup>University of Natural Sciences, Vietnam National University of Ho Chi Minh City, VIETNAM <sup>4</sup>Toyama Prefectural University, 5180 Kurokawa, Imizu City, Toyama, 939-0398 JAPAN \* <u>msb@cheng.es.osaka-u.ac.jp</u>

## **Overview**

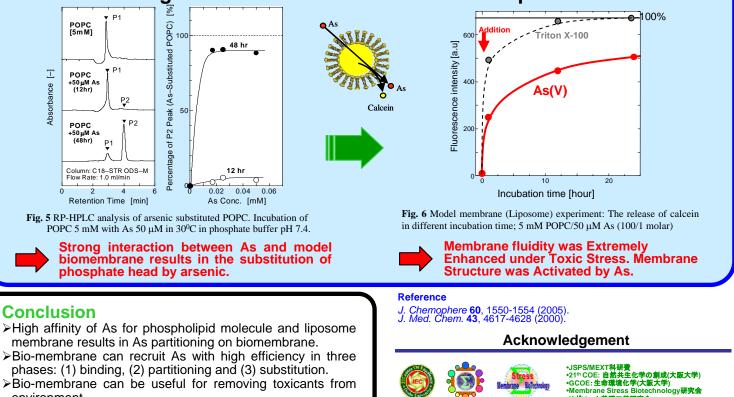
- # Arsenic (As) is one of the most significant global toxicants dispersed in the environment. Humans can be exposed to As through the intake of air, food, and water.
- Some roles of removal were biomembrane in specified but th their mechanisms have been a little found out.
- The present research is aiming to partitionin determine the As biomembrane when arsenic interacts with membranes.



・リポソーム基礎工学研究会



## 2. As Partitioning on Model Biomembrane and Its Response



>Bio-membrane can be useful for removing toxicants from environment.