

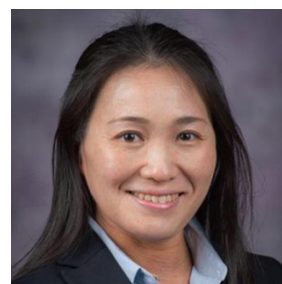
# **Nanomedicines for overcoming the challenges in therapeutic delivery of reactive sulfur species** (ナノメディシンによる活性硫黄種の送達)

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日時：令和 6 年 7 月 18 日（木）午後 1 時より  
場所：中百舌鳥キャンパス A12 棟（サイエンスホール）

事前参加申し込みは不要です。  
会場まで直接お越しください。



Hydrogen sulfide (H<sub>2</sub>S) and related sulfur species (reactive sulfur species) are essential signal mediators in many cellular processes in the human body. With the discovery of their regulatory roles in cardiovascular, neural and immune systems, therapeutic applications of these sulfur species have attracted growing attention. One of the challenges in translational research of reactive sulfur species is the lack of efficient and safe delivery systems. To address this issue, my group has been developing novel delivery systems based on polymeric nanomedicines. In this talk, I will introduce the concept and design criteria for polymeric micelles for controlled delivery of reactive sulfur species and discuss the impact of nanomedicine design on the release profiles of reactive sulfur species as well as their biological activities in endothelial cells and cancer models

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