

# 岩手大学 理工学部

## 銀河レクチャー

11月4日（金）

15：30～16：30

岩手大学  
復興祈念銀河ホール



Des Richardson博士（グリフィス大学，オーストラリア）による講演会を開催いたします。学生・教職員の皆様ぜひ御参加ください。

### 演題

- \* 事前申込は不要です。
- \* 参加費も無料です。

**Innovative developments in anti-cancer drug design: Overcoming the major killer in cancer.**

### 講演概要

Cancer is a disease that is a “moving target” since as the condition progresses, the molecular targets change and evolve. Moreover, due to clonal selection, a specific anti-cancer drug with one molecular target may only be effective for a limited time period before drug resistance results and the agent becomes ineffective. Hence, the concept of an anti-tumor therapeutic exhibiting polypharmacology can be highly advantageous, rather than a therapeutic obstacle.

This presentation discusses the advantages of incorporating polypharmacology into anti-cancer drug design using the di-2-pyridylketone thiosemicarbazones as a pertinent example.

### 講師紹介

Prof Richardson holds the Alan Mackay-Sim Distinguished Chair of Cancer Cell Biology at Griffith University, Nathan, Brisbane, and he is a National Health and Medical Research Council of Australia Senior Principal Research Fellow. He is an Executive Editor of *BBA-General Subjects* and has served on the Ed. Boards of 49 journals, including: *JBC*, *BBA-Mol. Cell Res.*, *Antioxidants Redox Signaling*, *Pharmacol. Res.*, *Pharmacol. Res.*, *Cancers*, etc. Recently, he was honored by the international Otto Kraye Award in Pharmacology 2022 from the American Society of Pharmacology and Experimental Therapeutics (ASPET).

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