



Special Track Session 3

TMI&T Committee

Sunday, October 18, 15:00–16:30

Session Title

Challenge the Expert: Combination Therapies, the Emerging Role of Radiobiology

Moderators

Samantha Terry (London, United Kingdom)

Bart Cornelissen (Groningen, Netherlands)

Expert

Sandra Heskamp (Nijmegen, Netherlands): Combining with Immunotherapies

Expert

Reinier Hernandez (Madison, United States of America): Combining with Epigenetic Modulators

Challengers Team 'Synergy Skeptics'

Mariangela Sabatella (Rotterdam, Netherlands)

Tabassom Mohajershojai (Stockholm, Sweden)

Edward O'Neill (Oxford, United Kingdom)

Stefan Schmitl (Vienna, Austria)

Educational Objectives

1. Understand the biological rationale for combining radiopharmaceuticals with other therapies.
2. Critically evaluate preclinical evidence and ascertain the likelihood of success for combination therapies in the clinic.
3. Understand the key challenges for translation of successful preclinical combination therapies.

Summary

Targeted radionuclide therapy (TRT) is highly precise – but not universally sufficient. Combination strategies aim to amplify its strengths and compensate for its weaknesses, ultimately leading to more durable and effective cancer control. In this Challenge the Expert session, we will highlight the traction around combining novel and existing therapies with TRT, with a particular focus on immunotherapies and epigenetic modulators. A team of young professionals will then challenge these experts with questions and statements to further identify which therapeutic approaches have the best chances of success in the clinic. Topics of discussion will include existing evidence in vitro, preclinically and clinically, treatment scheduling, likelihood of overcoming tumour resistance to therapies, the tumour microenvironment, clinical challenges of delivering combination therapies, healthy tissue toxicity, and whether TRT can truly be combined with other treatment modalities to improve outcomes.

Key Words

Combination Therapies; Preclinical; Translation; Synergy; Toxicity