

Düsseldorf, Germany

Pre-Congress Symposium 8 (Oncology / Physics)
Saturday, October 13, 13:00-16:00

Session Title

Alpha-Endoradiotherapy in Solid Tumours

Chairpersons

Jacques Barbet (Nantes)

John Babich (New York)

Programme

- 13:00 - 13:20 Peter Albers (Düsseldorf): When do we need Endoradiotherapy, if any?
13:20 - 13:40 John Babich (New York): Tracer Development: When is Specific Specific?
13:40 - 14:00 Ferid Haddad (Nantes): Production of Alpha Emitting Isotopes: Can we get Enough?
14:00 - 14:15 Hans-Jürgen Wester (Munich): Radio-Hybrid Ligands: Is there an All-Purpose Tracer?

14:15 - 14:45 Coffee Break

- 14:45 - 15:05 Michel Chérel (Nantes): Alpha-Radioimmunotherapy, Bigger or Better?
15:05 - 15:25 Clemens Kratochwil (Heidelberg): Endoradiotherapy with Alpha Emitters in NET and Prostate Cancer - Looking for the All-Purpose Isotope
15:25 - 15:45 Fernanda Herrera (Lausanne): Microenvironmental Reactions in Irradiated Tumours and their Use for Combination Therapy
15:45 - 16:00 Discussion

Educational Objectives

1. Understand clinical needs and indications
2. Basics of isotope production and tracer development
3. Information about effects, side-effects and reactions in the tumor micromilieu

Summary

This symposium intends to present all aspects of endoradiotherapy with alpha-emitting isotopes in solid tumors. This includes the availability and production of alpha emitters, the development and optimization of carrier systems for tumor specific accumulation, and the use of antibodies and small molecule inhibitors for therapeutic approaches. This is discussed in the context of oncological reality, i.e. the medical needs of the oncologists faced with individual patients. Furthermore, the effects of irradiation on the immune status of tumors as a function of microenvironmental reactions are presented with the intention to stimulate possible combination therapies.