

HIGH-ENERGY MEDICAL ISOTOPES CYCLOTRON WORKSHOP

Perth, 12 April 2013

SECOND NOTICE



Sponsor – Ion Beam Applications

When: Friday 12 April, 2013, 08:30 – 12:00 pm

Where: University Club, University of Western Australia, Crawley Drive, Nedlands (Perth), in co-location with the ANZSNM Pre-Conference (*'The Molecular Imaging Revolution'*)

Registration: No Charge; however, *attached form must be filled out and returned to Convenor*

Convenor & All Enquiries: Prof. Roger Price, Head, RAPID PET Labs, Sir Charles Gairdner Hospital, Perth; [t] (+61) 8 9346 4288; [f] (+61) 8 9346 3466; roger.price@health.wa.gov.au

*Open to all interested in high-energy medical cyclotrons and their applications, particularly in the production of SPECT & PET radiopharmaceuticals, from production centre design to daily operations. This Workshop will examine the feasibility of a **National High-Energy (30MeV proton-beam) Cyclotron** - plus related technologies - capable at least of producing the standard SPECT isotopes plus Germanium-68 for Gallium-68 PET generators production. Topics will cover strategic, clinical, technical, financial and training/educational implications.*

THE PROGRAM (*Titles of some presentations yet to be finalised*)

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| 08:30 – 08:45 | Introduction & Welcome | William MacDonald A/Director, Imaging West, Western Australian Health Department |
| 08:45 – 09:30 | Isotope needs from a modern high-energy cyclotron facility: an assessment based on clinical trends | Richard Zimmermann Chrysalium Consulting, Lalaye, France |
| 09:30 – 10:00 | The rise and rise of PET/CT, including 68Ga: has SPECT a significant future? | William MacDonald |
| 10:00 – 10:15 | Operational aspects of a 30MeV Cyclotron | Nikolas Paneras ANSTO Life Sciences |
| 10:15 – 10:45 | Morning Tea | |
| 10:45 – 11:00 | A national 30MeV SPECT & 68Ge production cyclotron: what business model is feasible? | Speaker to be confirmed |
| 11:00 – 11:45 | A chaired group discussion, based around topics including; (i) clinical justification for SPECT & PET products – 5/10/20 yrs hence; (ii) Non-medical applications; (iii) Opportunities for education & training - in radiopharmacy, engineering, physics ('opportunity revenue'); (iv) Technical options, including multi-particle with alpha-beam; (v) Business model options - their funding (capital & recurrent); (vi) Commercial justification for favoured business models | |
| 11:45 – 12:00 | Summarising the Discussion; points of debate & consensus; Roadmap for the future | William MacDonald & Roger Price Western Australian Health Department |