



Post Congress Training School on Ge - 68 / Ga - 68 Generators

Institute of Nuclear Medicine & Allied Sciences (INMAS, DRDO)

March 4-5, 2013 | Delhi, India



National Co-ordinator (Post Congress Workshop)

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Post-congress Workshop

The 2nd World Congress on Ga-68 (Generators and Novel Radiopharmaceuticals), Molecular Imaging (PET/CT), Targeted Radionuclide Therapy, and Dosimetry (SWC-2013): On the Way to Personalized Medicine is being organized at the Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh – India, from 28th February-2nd March, 2013. This meeting is being hosted by the Department of Nuclear Medicine & PET, (PGIMER), Chandigarh-India, and co-hosted by the University of Iowa, USA.

In order to provide the practical demonstrations of the 'GENERATORS ELUTION', Labelling strategies, Post processing of generators, the congress committee of SWC-2013 has planned 2 days Post-congress workshop at the Institute of Nuclear Medicine & Allied Sciences (INMAS, DRDO, Delhi-India). This post-congress workshop aims for providing 'Hands on Training' to the PET radiopharmacists, physicists from India and abroad representing centres which are already doing or are planning to start the 'state of the art' ⁶⁸Ga PET imaging and PRRNT.

Purpose:

The intention of the training school is to provide theoretical and practical knowledge on the ⁶⁸Ge/⁶⁸Ga radionuclide generator mainly, but also on subsequent ¹⁷⁷Lu labelling. The ⁶⁸Ge/⁶⁸Ga radionuclide generator is increasingly relevant for the development of new molecular imaging probes, both for fundamental research as well as for routine clinical diagnosis using PET/CT. The concept of the training school is to combine both theory and practice for several topics, such as generators, generator post-processing, ligands and labelling, automatisation, quality control, GMP and regulatory aspects. To bridge the PET-generators with endoradiotherapy, labelling will be trained with both ⁶⁸Ga and ¹⁷⁷Lu. ¹⁷⁷Lu and ⁹⁰Y are longer-living therapeutic nuclides for analogue radiotherapeuticals labelled with trivalent therapeutic radiometals.

Commercial companies involved in production of generators and syntheses modules, modules synthesising labelled compounds or in synthesising ligands will demonstrate state-of-the art products.

Participants shall have own background in working with radioactive sources and shall provide own personal radiation dosimeter or adequate documents prior to start hands-on training at the Institute of Nuclear Medicine & Allied Sciences (INMAS, DRDO, Delhi), India.

Participation is restricted to thirty persons only. Preferences shall be given to at-least one participant per institute and the enrolment of the candidates shall be on first come-first served basis. The duly filled in registration form signed by your competent authority shall be sent as an email attachment to the congress official email (secondworldcongressga68prrnt@yahoo.com) and a copy to Dr. Anil Kumar Mishra- the National Co-ordinator of the Post Congress Workshop at his email: akmishra63@gmail.com

Registration

The candidates registered for the Congress (SWC-2013) do not have to pay separate registration for the Post-Congress workshop.

Accommodation

Accommodation for the participants of the workshop shall be supported by the local host only for the pre-registered candidates.

Programme

Monday, Mar	<u>ch 04</u>	
08:30-09:30	Welcome Introduction Formalities	Chairman-RAC DFG official Director INMAS Baljinder Singh Frank Roesch Anil Mishra
09:30-10:30	Theory: 68Ge/Ga generators "The 68Ge/Ga generator: 68Ge-production and generator designs"	Frank Roesch
10:30-11:00	Theory: Ligands "Old versus new chelates profiled for ⁶⁸ Ga"	Anil K Mishra F Denat
11:00-13:00	Practical's demonstrations ⁶⁸ Ge/Ga generator elution	ITG/EZAG/IDB
13:00-14:00	Lunch	
14:00-14:20	Radiation safety issues for generator.	Sarika Sharma
14:20-16:00	Theory: post-processing of generators "Eluate fractionation procedure" "Eluate purification by anion exchange"	E Eppard E Eppard

	"Eluate processing via cation exchange chromatography procedure"	F Roesch
16:00-16:15	Evening TEA	
16:15-18:00	Practicals post-processing of 68Ge/Ga generators	ITG/EZAG/IDB
18:00	Post congress Impact Assessment (Batch-1)	Workshop faculty

Programme

Tuesday, Mai	rch 05	
08:30-09:00	Theory: Regulatory issues related to ⁶⁸ Ge/Ga generators: "Quality assurance and QC of generators"	B Sandhöfer
09:30-10:00	Theory: Regulatory issues related to ⁶⁸ Ga radiopharmaceuticals: "Quality assurance and QC of ⁶⁸ Ga-labelled pharmaceuticals"	M Meckel
10.00-11.00	Labelling strategies with ⁶⁸ Ga: "Non-peptidic ligands and amino acids"	Puja Panwar
11.00-13.00	Practical Demonstrations labelling + analytics	ITG/EZAG/IDB
13:00- 14:00	Lunch Break	
14.00-14.30	Synthetic strategies of peptides conjugated with chelators- A Novel Approach	Raunak Varshney
14.30-15.00	Regulatory Requirements for PRRNT in India	Aruna Kaushik
14:30-15:30	Theory: Automation in generator elution and labelling including GMP aspects	Dirk Becker
	"Ga-Generator: GMP vs. non-GMP, why it is necessary to register a generator"	Roger Knopp,
	"Fully automated synthesis of ⁶⁸ Ga, ¹¹¹ In, ⁹⁰ Y and ¹⁷⁷ Lu DOTA conjugated peptides"	Philippe van Overeem
	"With Modular-Lab from research to routine: Full flexibility meets GMP, GAMP5"	Jan van Overeem
	"iQS® platform for manual synthesis of 68Ga-based Radiopharmaceuticals"	Sebastian Marx
15:30-16:00	Evening TEA	
15:30-17:30	Practical Automatisation	All
17:30-18:00	Round table discussion	All

All the queries for enrolment in the post congress workshop by the interested delegates and by the Participating companies should be directed to the National Co-ordinator Post Congress workshop. The contacts details are as follows

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