



THE ASIAN REPRODUCTIVE BIOTECHNOLOGY SOCIETY

Announcement of an upcoming training opportunity

Training Workshops - Hanoi 2015

**Training 1-Cryotech Hanoi 2015
Primer Live Hands on Cryotech for Human
oocytes and embryos**

Dear Colleagues,

We are pleased to announce a new Training Workshop with Live Hands-on 'Cryopreservation of oocytes and embryos by Cryotech-Japan' will be held in Hanoi-Vietnam on 24 and 25 November 2015.

Cryotech is advanced vitrification technique, the most effective, easiest and safest method for preserving oocytes and embryos of any developmental stage, which has been used across the globe for human *in vitro* fertilization in more than 40 countries for more than 900,000 clinical cases.

Dr. Masashige Kuwayama - legend in the field of Cryobiology, the father of vitrification and a highly skilled Cryotech Method, supervises 50 IVF centers in 12 countries, has a strong will to bring in the cutting-edge cryotech to Vietnam and regional colleagues, taking the occasion of 12th ARB Conference –Hanoi 2015.

This is a new opportunity designed for reproductive scientists, embryologists and clinicians looking to improve their knowledge and skills in cryopreservation of oocytes and embryos for *in vitro* fertilization and other reproductive application.

We are looking forward to meeting you in Cryotech Hanoi 2015.

Workshop Organisers

Dr. Masashige Kuwayama
President of Repro-Support Medical
Research Centre, Japan

Dr. Bui Xuan Nguyen
President of Asian Reproductive
Biotechnology Society

PROGRAM

Course Objectives

Cryotech-Hanoi 2015 is intensive hands-on formation with the aim of developing updated theoretical knowledge and practical skills in oocyte and embryo freezing by Cryotech method for scientists, specialist and technicians working in reproductive laboratory and clinics.

Training will involve a combination of lectures, demonstrations of technique and hands-on practice conducted by world renowned experts in the field of cryobiology and assisted reproductive technology.

Participant will learn how to freezer human oocyte and embryo by Cryotech Method which excellent 100 % survival and comparable fertilization rate, embryo development rate and pregnancy rate between fresh and frozen oocytes. After passing the test, a certificate of Cryotech Training will be granted.

Lecturers

- **Dr. Masashige Kuwayama**-Cryotech Fondator.
- **Professor. Jean-Paul Renard, Dr. Bui Xuan Nguyen** – Authors of word first successful embryo cryopreservation without programmed equipment by rapid one step freezing method.
- **Professor Gabriel Dalvit**- Cryotech instructor

Wednesday 24 November 2015

8:00 - 8:30	Registration
8:30 - 8:45	Welcome
	<i>Theoretical Sessions</i>
8:45 - 9:30	Introduction to the fundamentals of cryobiology Jean-Paul Renard, French
9:30 - 10:00	Anhydrobiosis, potential and limits of artificial cryopreservation. Bui Xuan Nguyen, Vietnam
10:00 – 10:15	<i>Coffee break</i>
10:15 – 11:00	Introduction to vitrification and cryotech. Professor Gabriel Dalvit , Argentina
11:00 - 12:00	Application of cryopreservation for human infertility treatment and preserving female fertility. Network of Cryotech. Dr. Sofia Soto-Rodriguez, Cryotech-Japan
12:00 - 13:00	<i>Lunch</i>

	<i>Practical sections</i>
13:00-15:00	Cryotech demonstration Dr. Masashige Kuwayama, Cryotech Fondator
15:00 – 15:15	<i>Coffee break</i>
15:15 – 17:15	Live hands on Cryotech Training Dr. Masashige Kuwayama and assistances
Thursday 25 November 2015	
8:30 – 10.00	Live hands on Cryotech Training Dr. Masashige Kuwayama and assistances
10:00 – 10:15	<i>Coffee break</i>
10:15 - 12:00	Practical test. Certificate Awarding Ceremony.

References

See more information about Cryotech at:

<http://cryotech-japan.jp/>

Oocyte Vitrification by Masashige Kuwayama, Part 1-3

- <https://www.youtube.com/watch?v=ejrqRRSkXXA>
- <https://www.youtube.com/watch?v=WMDkl0vVh7k>
- <https://www.youtube.com/watch?v=BZkznB3pLEE>

Demonstrates Cryotech at the Embryology and PGD workshop in London

- <https://www.youtube.com/watch?v=97i-l66tTuY>
- <https://www.youtube.com/watch?v=WkF3bBCJ12A>

[Highly efficient vitrification method for cryopreservation of human oocytes.](#) Kuwayama M, Vajta G, Kato O, Leibo SP. *Reprod Biomed Online*. 2005 Sep;11(3):300-8

Patent number: 20040259072. [Egg freezing and storing tool and method.](#)

Inventors: Masashige Kuwayama, Futoshi Inoue



Training 2

PGC Isolation and transplantation.

Introduction

In combination with transplantation, cryopreservation of PGCs, which are embryonic precursors of functional gametes, can be used as an alternative of freezing embryos, especially for those species in which the cryopreservation of germplasm is challenging such as avian species. We have achieved to establish poultry genetic conservation system using PGCs and take on genebank projects for chicken and quail (Naro Institute of Livestock and Grassland Science genebank and Akita prefectural Hinaidori fowl genebank).

Isolation of chicken PGCs from early embryonic blood or gonads, vitrification and subsequent transplantation to recipient embryo will be demonstrated in this training workshop.

Lecturer **Dr. Yoshiaki Nakamura, National Institute for Basic Biology, Japan**

Program

Thursday 25 November 2015:

13:00-14:00	Introduction to the technique of Primordial germ cells and genetic conservation Dr. Yoshiaki Nakamura, Japan
14:00-15:00	PGC isolation: Demonstration and Live Hand-on Dr. Yoshiaki Nakamura
15:00 – 15:15	<i>Coffee break</i>
15:15 – 17:00	PGC vitrification and transplantation: Demonstration and Live Hand-on Dr. Yoshiaki Nakamura
17:00 – 18:00	Closing section. Certificate Awarding Ceremony.

Airport pick up and transport

Noibai airport is about 30 km from Hanoi. Transport will be available for arrival pick-up at the airport and during workshop.

Visas

Please read the link below before you begin the online visa application form.

<http://www.myvietnamvisa.com/visa-requirements.html>

<https://visavietnamservices.com/application-process>

Accommodation

Registration fee does **not** include accommodation. Recommendation hotels :1. Spring Flower Hotel, 40 Hang Bo; 2: ATS Hotel, 33 Pham Ngu Lao, Hanoi.



Registration

Online registration can be done using ARB preliminary registration form (Enclosed). Please make clear whether you will attend both conference and workshop or only workshop and send to us **before 15 October 2015**.

<https://drive.google.com/file/d/0B3aa6jG7vNXxR0dxOEdVV1Nhdmc/view?usp=sharing>

Training Workshop Fee

A registration fee (separate from the general conference registration fee) is 350 \$ for Training 1 program and 100 \$ for Training 2 Program, including documents and training activity and will not include the lunch option.

	until 30 October 2015	from 01 November 2015
Training Workshop 1	350	400
Training Workshop 2	100	150

Online payment of the registration fees (plus the bank transfer costs) should be made to the following bank account:

Account number: 0491 3700 21426

**Bank: Joint Stock Commercial Bank For Foreign Trade Of Vietnam -
Thang Long Branch**

SWIFT code: BFTVVNVX049

**Address: Building 148 Hoang Quoc Viet Road, Nghia Tan Ward, Cau Giay
District, Hanoi, Vietnam.**

Transfer amount: Registration fees (plus transfer costs if any)

**Text in the transfer: ARB_Registration_your name
(e.g. ARB_Registration_John_Smith)**

Once you make the transfer, please send an email to sabcvn@gmail.com or ngthihiep@gmail.com with the following details written in the body of the message:

1. Date of the transfer
2. Transfer amount. Please write only the registration fees for main event and training workshop, without transfer costs. Fees for accommodation and post conference tours will be paid directly to the hotels and travel agencies.
3. Invoice number
4. Name of remitter (and name of accompanying partners, if any)

Please not that only after receipt of your payment, your participation can be guaranteed in the Cryotech Hands-on Workshop.

Registration information, fee : sabcvn@gmail.com; ngthihiep@gmail.com

Hotel, Accommodation: hongnhung0686@gmail.com; sabcvn@gmail.com;