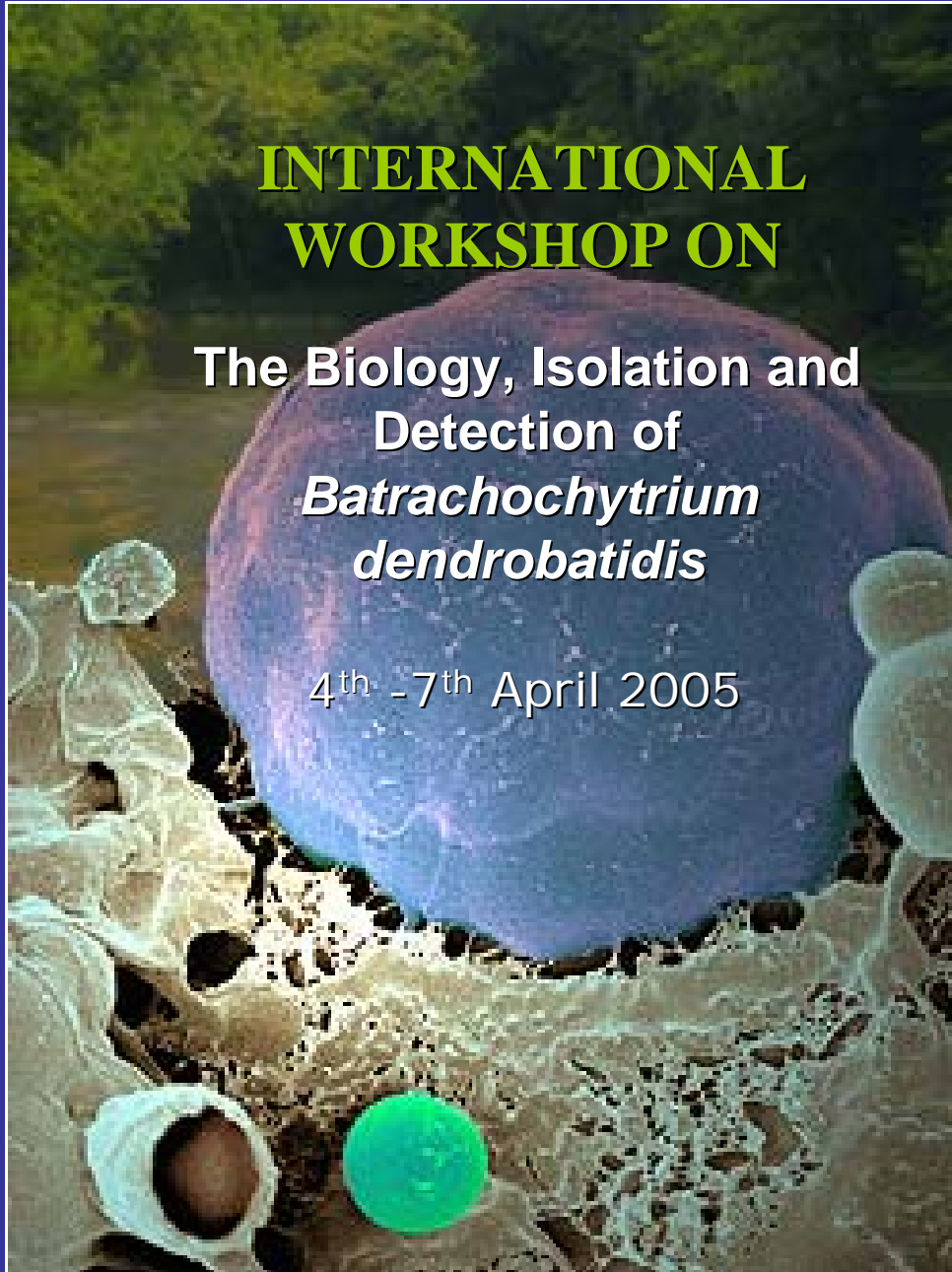


WORKSHOP ON CHYTRIDIOMYCOSIS

INTERNATIONAL WORKSHOP ON

The Biology, Isolation and Detection of *Batrachochytrium dendrobatidis*

4th -7th April 2005



OUTLINE OF COURSE

Lecture Program (1 day)

1. Overview of Chytridiomycosis: *Rick Speare*.
2. The structure and taxonomy of the amphibian chytrid: *Joyce Longcore*.
3. The pathology of chytridiomycosis: *Lee Berger*.
4. Techniques used in experimental infections: *Joyce Longcore and Lee Berger*
 - (a) Harvesting and counting zoospores
 - (b) Techniques for infecting amphibians
5. Overview of diagnostic assays and sampling: *Alex Hyatt*.
6. The theory of real time Taqman PCR (advantages and limitations in the practice world): *David Boyle*.
7. Good microbiological practice, transport of diagnostic samples: *Peter Le Blanc Smith*.

Laboratory sessions (2.5 days)

(Participants will be divided into two groups and rotate through the sessions)

1. Isolation, harvesting, counting and maintenance of *B. dendrobatidis* (*Bd*): Tutor, *Joyce Longcore* half day
2. Histology, immunocytochemistry & microscopy of unstained tissues: Tutors, *Lee Berger, Rick Speare (Interpretation of pathology), Veronica Olsen (Immunohistochemistry) & Joyce Longcore (Microscopy of unstained tissues)* ...one day
3. Real time Taqman PCR: Tutors, *Donna Boyle & Veronica Olsen*. ...one day
4. Cryopreservation and "resurrection" techniques. Tutors, *Donna Boyle and Alex Hyatt* ... half day

Venue: CSIRO Livestock Industries, Australian Animal Health Laboratory, Geelong, Australia.

Contact: Alex Hyatt (email alex.hyatt@csiro.au) OR Donna Boyle (email: donna.boyle@csiro.au)

GENERAL INFORMATION

For the

INTERNATIONAL WORKSHOP ON CHYTRIDIOMYCOSIS: *The Biology, Isolation and Detection of Batrachochytrium dendrobatidis*

4th – 7th April 2005

To be conducted at:

CSIRO, Livestock Industries, Australian Animal Health Laboratory
Street address 5 Portarlington Road, Geelong Victoria, Australia.
Postal address Private Bag 24, Victoria 3220, Australia.

Scientific contacts: Dr Alex Hyatt & Ms Donna Boyle Australia +6) (0)352275419, fax
+61 (0)352275555

WORKSHOP PROGRAM:

The workshop has been designed for both novice and expert researchers in the field of chytridiomycosis.

Lectures will be given on

- Biology of chytridiomycosis
- Structure & taxonomy
- Pathology
- Diagnostic assays
- Sampling
- Techniques for infecting amphibians; &
- Good microbiological practices as relating to handling infectious agents within laboratory environments.

Practical workshops will cover

- Isolation
- Harvesting and maintenance of *Batrachochytrium dendrobatidis* (Bd)
- Histopathology
- Immuno-histochemistry
- Microscopy of unstained Bd in toewebs and tadpole mouth parts
- Real time Taqman PCR & cryo preservation of *Bd*.

Lecturers and demonstrators will include

Dr Joyce Longcore
Dr David Boyle

Dr Rick Speare
Ms Donna Boyle

Dr Lee Berger
Ms Veronica Olsen

Dr Alex Hyatt
Mr Peter Le Blanc Smith

At the end of the course we expect participants to have acquired theoretical and practical knowledge/skills in the design, application and interpretation of diagnostic assays for Bd. It is intended that this will assist in the international standardization and interpretation of data derived from the diagnostic assays thereby facilitating the exchange of 'comparable' biological data. In addition, participants will have gained skills in the major techniques used in laboratory work and experimental infections with Bd.

REGISTRATION:

A **Registration Fee of \$815** (includes 10% GST) is payable before 11th March 2005. A tax invoice will be forwarded to you upon registration.

The Registration fee for all participants includes the following:

- Conference materials
- Morning & Afternoon Teas
- Lunch on all days
- Workshop dinner

Note: Places are restricted to 20.

FLIGHTS:

All Conference Participants are expected to arrange their own flight and travel arrangements. For internal flights note that some services are operated by 'Jetstar' to Avalon

TRANSFERS

(a) from Melbourne airport to Geelong return:

The **Gull Bus Service** operates from Melbourne airport to Geelong at regular hours (see their website: www.gull.com.au). You may wish to book online or call them direct on (03) 5222 4966.

You will need to advise them of your flight number, arrival/departure time and date.

Fares are as follows: one way fare - \$25; return fare - \$45.

The Gull Bus service will not take you directly to your Hotel. You will need to take a taxi from the bus depot to your Hotel. Approximate cost is \$15.

(b) from Avalon airport to Geelong return:

The **Avalon Airport Shuttle** operates from Avalon airport to Geelong (see their website: <http://www.avalonairportshuttle.com.au/> for approximately \$15. This service does offer hotel drop offs but this must be arranged (and paid for) before hand, otherwise will need to take a taxi from the bus depot to your Hotel. Approximate cost is \$15.

ACCOMMODATION:

All participants are expected to arrange their own accommodation. Please refer to the following website for details (http://www.city-accommodation.com/hotels/MEL_geelong/hotels.html). All hotels are some distance from the lab. Therefore if you do not feel like a good walk then please take a taxi. A list of possible accommodation is below.

Comfort Inn Eastern Sands Motel
1 Bellerine Street, Geelong
Ph: 03 – 5221 5577
Email – aymanor@bigpond.net.au

Bay City Geelong Motel
231 Malop Street, Geelong
Ph: 03 – 5221 1933

Sundowner Geelong
13 The Esplanade, Geelong
Ph: 03 – 52447700
(www.sundownermotorinns.com.au)

Four Points by Sheraton – Geelong
10-14 Eastern Beach Road Geelong
(www.fourpoints.com/geelong)

ENTRANCE INTO THE SECURE AREA OF AAHL:

With the exception of lectures the workshop will be conducted within the microbiological secure laboratories of AAHL. Therefore **all participants must read** Appendix #1 Visitor Information and then fill out and return Appendix #2 to either Ms Margaret Lupton (email: margaret.lupton@csiro.au) or Ms Nicole Cameron (email: Nicole.cameron@csiro.au) who are coordinating the administrative aspects of the workshop.

CANCELLATION POLICY

Cancellations notified in writing before 4th April 2005 will be eligible for a refund less \$100.00. Cancellations notified after 4th April 2005 will not be eligible for a refund.

Registration Form

Please return form by **11th March** to:

AAHL Administrative Workshop Coordinators:

Ms Magaret Lupton Email: magaret.lupton@csiro.au **or**

Ms Nicole Cameron Email: nicole.cameron@csiro.au.

Tel: +61 (0)3 52 275007; Fax: +61 (0)3 52 275557

CSIRO Livestock Industries, Australian Animal Health Laboratory, Private Bag 24
Geelong, Victoria, 3220.

Details

Title (please circle): Mr Miss Mrs Ms Dr other (specify).....

Family name:.....

First name:

Organisation/Company:.....

Mailing address:

E-mail address:

Telephone:

Fax:

Special Dietary Requirements:

Payment details:

(For cheques or money orders please make payable to CSIRO Livestock Industries)

Amount of payment in AUD \$ 815.00

Date

Description of goods: Registration for *WORKSHOP ON CHYTRIDOMYCOSIS*

Please select one of the following payment methods.

Cheque

Money Order

Credit Card

Credit card details

VISA

Mastercard

Bankcard (Australia only)

Number:

Valid from: valid to:

Name on card: (use block letters)

Signature Date

Office: All payments to AL70A

APPENDIX #1

INFORMATION FOR VISITORS TO AAHL

CSIRO Livestock Industries, Australian Animal Health Laboratory (AAHL) is a microbiological secure facility designed and constructed to allow scientists to work safely with micro-organisms which do not normally occur in Australia. Visitors to AAHL are welcome; however visitors must comply with the following conditions -

Site entry - All visitors must notify their staff contact at AAHL of the intended date and time of arrival.

This should be at least 24 hours before arrival.

Entry to the site may be denied if prior notification has not been made.

Upon arrival at the unmanned gatehouse, approach the entry card reader and press an intercom button to alert the Site Administration Officer, who will confirm your arrangements. If correct, you will be admitted to the site, and staff member responsible informed of your arrival. Once on site, you shall proceed to the administration building where you will be admitted and an access card issued.

Please wear your access card at all times while at AAHL and return it to the Administration building on departure.

1. Visitors are not permitted to wander about the site unescorted.
2. Contractors working at AAHL are obliged to perform their work according to the Laboratory's Code of Safe Operating Procedures and any other conditions nominated by the Laboratory.
3. For visitors remaining in non-secure areas, canteen facilities are available in the administration building and engineering services building.
4. Smoking is not permitted within any CSIRO building or vehicle.

Entry to secure areas requires prior authorisation by the Director of AAHL, the Microbiological Security Officer (MSO) or a person designated by the Director of AAHL or MSO. Prior to visiting AAHL persons intending to enter secure areas will be asked for **details of their height, build (small, medium, large or extra large) and shoe size** so that arrangements can be made for providing clothes and footwear, to be worn in the secure area.

You will be shown (by video) how to enter the secure area, and the showering procedures when leaving.

Entry to restricted areas is by access card only and will be arranged for you by a member of the Microbiological Security Group.

For further information please contact your staff contact at AAHL, or telephone +61 (0) 3 5227 5453. Information is also available on the website at www.li.csiro.au

MICROBIOLOGICAL SECURITY REGULATIONS FOR VISITORS TO AAHL SECURE AREAS

In order to maintain the microbiological security vital to the Laboratory's safe operation, all visitors to the secure area must agree in writing to comply with the following security regulations.

1. Your personal items and valuables may be placed in a sealed envelope and will be stored in the Central Monitoring System (CMS) safe for collection after you leave the secure area.
2. No personal items, except plain rings, sleeper earrings and spectacles may be taken into the secure area. Contact lenses are permitted provided that they are not removed while you are inside the secure area.

Note: If you wear spectacles, you will be shown in the induction video how to disinfect them.

3. Tools, cameras, equipment, spare parts, manuals and the like cannot be taken into the secure area, without prior authorisation by the Microbiological Security officer (MSO) or his delegate. Any equipment you are permitted to take in may not be removed except with the approval of the MSO or delegate. Decontamination of these items will be necessary and they may not be available for several days after you leave.

All waste material such as paper, packing materials, flammable waste and the like must be destroyed inside the secure area.

4. Food and drink may be consumed in the secure canteen only. Please order and pay for your requirements to the **non-secure canteen contractor prior to entering the secure area.**
5. Visitors will comply with the instructions of the member of AAHL staff supervising the visit, and must not move around the building unescorted. The secure visitor's access card issued with your clothing must be worn while within the secure area.
6. A full three (3) minute shower must be taken on exiting the secure area and hair and beard must be washed.
7. **For a period of Seven (7) days after exit from the secure areas, visitors must agree to avoid all contact with** sheep, cattle, goats, pigs, horses, asses, mules, any other cloven-hoofed animal, fowls, turkeys, geese, domestic ducks, caged birds, emus or ostriches, amphibians or the actual places where these animals are held, or visit any aquatic animal farm or aquatic animal hatchery.
8. **No restrictions apply to cats and dogs.**

If you experience any difficulties in showering out, return to the secure area and summon help (go to nearest phone and dial 3).

For further information please speak with your staff contact at AAHL, or telephone +61 (0)3 5227 5453. Information on AAHL is also available on the website at www.li.csiro.au

**APPENDIX #2 PLEASE FILL IN THIS FORM & RETURN TO
Margaret Lupton (details in *General Information*)**

**Visitors to CSIRO Livestock Industries
Australian Animal Health Laboratory
Secure Area Visitor Details**

Staff member requesting visitor: Alex Hyatt

Visitor's surname: **Given name:**

Day of visit: Monday **Date of visit:** 04/04/2005

Approximate arrival time: **0830 AM**

Duration of visit: 4 Day/s (4th April – 7th April 2005)

Male **Female**

Female visitors: Which mode of clothing? **Overalls or Dress**

Singlet is provided. Bra available on request. **Specify Size:**

Height: feet inches cms

General build: Xsmall Small Medium Large Xlarge

Shoe size: 3 4 5 6 7 8 9 10 11 12 13

Do you wear spectacles? YES NO

Please circle above where appropriate

This Section for use by the AAHL (MSG Administrative Officer):

Locker Allocated: **Access Card Number:**

Security Officer notified: Yes No **Secure laundry notified:** Yes No