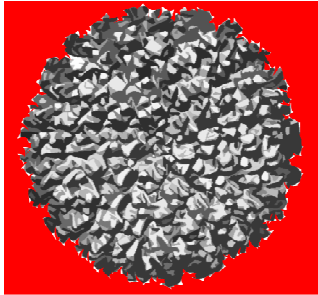


# GENE THERAPY, GENETIC RISK AND CANCER



## **Dr Gerald W Both**

President, Australasian Gene Therapy Society and Chief Scientific Officer,  
Biotech Equity Partners

## **Dr Caroline Breitbach**

JENNEREX Biotherapeutics, San Francisco

## **Professor John L Hopper**

Director, Centre for Molecular, Environmental, Genetic and Analytic (MEGA)  
Epidemiology, University of Melbourne and Australian Twin Registry

**At the Centenary Institute Lecture Theatre  
Level 6, Centenary Institute  
Building 93, Royal Prince Alfred Hospital, Missenden Road,  
Camperdown, Sydney, NSW 2050**

**Wednesday, 29 April 2009, 5.30 pm - 7.30 pm**

Picture:  
Atadenovirus gene delivery vector ©  
Courtesy R. Pantelic and B Hankamer

## **PROGRAM**

**5.30pm-7.30pm**

### **An introduction to gene therapy: successes and challenges – Dr Gerald W Both**

While gene therapy encompasses a wide variety of different approaches to therapy – they all have in common the idea of introducing new genetic material directly or indirectly into cells of the body for a therapeutic purpose. Dr Both will introduce the gene therapy approach and highlight some of its successes and challenges.

### **Cancer therapy using live viruses – Dr Caroline Breitbach**

A holy grail of cancer therapy is to design an effective gene medicine that targets and kills cancer cells to prevent their spread. Dr Breitbach will describe how some viruses have been engineered to do this and how they are currently being tested for efficacy.

### **Genetic risk and cancer – Professor John L Hopper**

The analysis of the occurrence of cancer in populations and families has led to the discovery of gene mutations that are thought to increase the risk of cancer. Whilst this has made - and will continue to make - important contributions to the design of public health programs for cancer prevention and management - it is not the full story. When individual cancers are analysed in the laboratory it is frequently found that they arose by mechanisms that are specific to the affected individual's genetic predisposition. The development of future strategies for cancer prevention, management and therapy will require a deeper understanding of these mechanisms in individuals. Professor Hopper will explore the implications of new knowledge obtained from the analysis of individual tumours for cancer control and individualized medicine.

### **Question time**

**7.30pm Light refreshments**

# How to get to the Centenary Institute

## Bus services from the City

Bus route 412 stops on Missenden road in front of the Royal Prince Alfred Hospital.

Bus routes 435, 436, 437, 438, 440, 461 and 480 stop at the intersection of Parramatta Road and Missenden Road (BP service station). A 3 minute walk along Missenden Road takes you to John Hopkins Drive (on your left hand side). Follow the road down to the Centenary Institute.

Bus routes 422, 423, 426 and 428 stop at the intersection of King Street and Missenden Road. A 5 minute walk along Missenden Road takes you to John Hopkins Drive (on your right hand side). Follow the road down to the Centenary Institute.

## Train services

*From the city:* stop at Redfern Station, MacDonalddtown Station or Newtown Station. All are a short walking distance from King Street. Make your way to Missenden Road. A 5 minute walk will take you to John Hopkins Drive (on your right hand side). Follow the road down to the Centenary Institute.

*From the airport:* stop at Central Station (city) and take a bus or train to Camperdown (see above).

## Taxi

Centenary Institute is approximately a 30 minute ride from Sydney Airport (Kingsford Smith) and 10 minutes from Central Station (city). Taxis cost approximately \$25-30 from the Airport and \$10 from Central Station.

## Parking

Visitors driving to Centenary Institute can choose to park in either:

### St John's car park

Enter from Missenden Rd

Early Bird parking – In before 9.30am and out

after 3.30pm \$8 per day

After 3.30pm – Flat rate \$7

Other times \$5 per hour

or

### KGV car park

Turn from Missenden Rd into

Salisbury Rd

Cost - \$5 per day (exact coins required)

## CENTENARY INSTITUTE MAP & PARKING INFORMATION

**Address**  
Centenary Institute  
Building 93, RPAH  
Missenden Road  
Camperdown  
Tel: 02 9565 6156

### Parking

**KGV Car Park:** Access is from Susan Street next to Page Building - opposite the main entrance to the Hospital. Cost is \$5 per day - exact change (coins) required.

**St John's Car Park:** Enter from Missenden Road. Early-bird parking (before 9.30am, out after 3.30pm) is \$7.00 a day or \$4.00 per hour at other times.

