



The Liggins Education Network for Science

## “I Love My Heart”

An interactive **LENScience** learning event for Years 7-10 with

**Professor Mark Hanson**

*British Heart Foundation Professor of Cardiovascular Science*

Friday 15<sup>th</sup> May, 2009

**Live @ Holy Trinity Cathedral, Parnell**

or via **Satellite TV** or via **Webcast**



Hopefully we all love our heart!  
How does it work, why it is so important?

**How do you love it for life?**



Cardiovascular disease is the leading cause of death in New Zealand but in many cases it is preventable. **Positive lifestyle attitudes towards health from an early age can prevent cardiovascular disease.**

This **science and health education** event will take Year 7 – 10 students on a dynamic multimedia journey of discovery, explaining just how amazing the human heart is, how it functions, what heart disease is, and how to look after your heart. The programme will use live demonstrations of heart rate, blood pressure and EKG, audio-visuals, models and audience participation providing students with a take home message that is relevant to their lives and their futures.

**Supporting education resources and details of the student competition can be found at**

<http://lens.auckland.ac.nz/index.php/I Love My Heart>

[Professor Mark Hanson](#) is an acclaimed international scientist who has strong links to New Zealand through his work with the Liggins Institute and National Research Centre for Growth and Development. Prof. Hanson holds the post of [British Heart Foundation Professor of Cardiovascular Science](#) at the University of Southampton where he is Director of the Centre for Developmental Origins of Health and Disease. His work is helping to explain the science behind how our environment in early life can impact on our health throughout our lives. Prof. Hanson is working with school students in the UK where he is setting up the **Southampton LifeLab**, a programme for schools modelled on **LENScience**.

Established in 2006, **LENScience** is an education unit within the Liggins Institute at the University of Auckland working to bring schools and scientists together. Led by experienced teachers, all education programmes are designed by teachers to meet the needs of students in New Zealand schools.

The Liggins Institute would like to acknowledge the support of **Holy Trinity Cathedral and Kordia™**.

**Bookings for this event are now open.**

The seating capacity for the event is 1000 for each session. Schools should send an indication of how many students they would like to attend this event as soon as possible.

*To secure a booking please complete the registration form below and return by  
Friday 8<sup>th</sup> May to [ligginsclassroom@auckland.ac.nz](mailto:ligginsclassroom@auckland.ac.nz)*

## Event Organisation Details

- Date: Friday 15<sup>th</sup> May, 2009
- Live Venue: Holy Trinity Cathedral  
Crn St Stephens and Parnell Rd, Parnell
- Map link: [Click here to view venue map](#)
- Cost: \$2.00 per student. Invoices will be issued on receipt of registration.
- Audience: Middle School Year 7 – 10
- Time: Year 7 – 8 11am – 12noon **Students must be seated by 10:45am**  
Year 9 – 10 1pm – 2pm **Students must be seated by 12:45pm**
- Buses: Buses should use the Parnell Rd bus stop outside the Cathedral
- Parking: Free parking is available for schools that are transporting students by mini-van.  
**Please use the Brighton Rd entrance to the Cathedral car park and follow the directions of the parking wardens. Do not use the Parnell Rd entrance.**
- Disabled Parking: Disabled parking is available off Parnell Rd, directly outside the main entrance.  
**Please contact us in advance to ensure that a parking space is reserved.**
- Bags: **Please do not allow students to bring bags, drink or food into the venue.**  
Any students arriving with bags will be asked to leave them in the porch. Please note that there is no secure bag storage and LENSscience and HTC take no responsibility for the security of valuables left in the porch.
- Students with Disabilities: **Please advise us of the needs of your students in advance.**  
Schools bringing hearing impaired students are invited to bring an interpreter.  
The Cathedral sound system has a hearing loop.  
Full access is available for students with mobility disabilities. Please note vehicles transporting these students must use the Parnell Rd disability parking.

## Participate via Satellite TV or Webcast

The Satellite TV broadcast can be accessed if you have a generic decoder (as used for free to air TV) and satellite dish in your school. For details of how to access this technology please go to

[http://lens.auckland.ac.nz/index.php/I\\_Love\\_My\\_Heart](http://lens.auckland.ac.nz/index.php/I_Love_My_Heart)

The webcast will be accessible via the National Education Network (KAREN) for schools that have a NEN multicast enabled link. [http://lens.auckland.ac.nz/index.php/Connecting\\_via\\_the\\_National\\_Education\\_Network](http://lens.auckland.ac.nz/index.php/Connecting_via_the_National_Education_Network)

## Frequently Asked Questions:

### **How many students can each school bring?**

*We hope to accommodate at least 50 students from each school attending in the live audience. There is some flexibility in this, please send your ideal number and we will let you know whether we are able to accommodate your request.*

### **Will there be a lecture for senior students on this topic?**

*The LENSscience Annual Lecture for senior students will be held in August this year. Professor Ian Shaw, University of Canterbury and NRCGD will be presenting this lecture on the topic of Bisphenol A (plastics) in the environment. This lecture will be aimed at Year 12-13 Chemistry and Biology classes. Details will be announced shortly.*