

## LENScience Senior Biology Seminar Series Student Update Number 8 – 21<sup>st</sup> July, 2010

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### Seminar 4: Post Seminar Challenge Questions

Thanks to all the students who took up my challenge in the last update and had a go at the challenge questions. Deciding on the best contributor is going to be quite difficult. Well done to all the following schools who have contributed to the wiki discussions so far this year. This is an amazing range of schools from all around New Zealand.

Dilworth School Auckland	Sacred Heart College Auckland	Horowhenua College	Otumoetai College Tauranga	Macleans College Auckland
Epsom Girls Grammar School Auckland	Auckland Girls Grammar School	Papakura High School Auckland	Unlimited Paenga Tawhiti Christchurch	Rotorua Girls High School
Onehunga High School Auckland	Wellington Girls College	Riccarton High School Christchurch	Logan Park High School Dunedin	Wellington East Girls College
	Whakatane High School	Whangaparoa College Auckland	Mt Roskill Grammar School Auckland	

Is your school here? There are 96 schools registered for the seminar series so this is only a small proportion of the schools taking part. We know that many of you are using the Challenge Questions as part of your post seminar workshops, so why not post your answer on the wiki?

### What's happening this week?

This week you need to be preparing for Seminar 5 Circadian Rhythms: Keeping Time. This seminar will be broadcast on Thursday 29<sup>th</sup> July.

Seminar 5 is based on the research of Dr. Guy Warman and his team from the Chronobiology Research Group at the University of Auckland. Current research projects being carried out by Guy's group include a study of the effect of anaesthesia on biological clocks, circadian and sleep-wake cycle disruption in patients following cardiac surgery and a survey of circadian related sleep disorders in the New Zealand Blind Population.

Seminar 5 will look at human circadian rhythms and teenagers' sleep patterns, the genetic basis for the biological clock and some of the results of the research into the effect of anaesthesia on biological clocks.

The background paper, pre-seminar discussion paper and challenge question paper for this seminar are now available from our website: [Circadian Rhythms: Keeping Time](#)