

Detection and surveillance research workshop

(Landcare Research, Lincoln, 10 & 11 September)

Camera trap practical workshop

(Lincoln University, 11 September)

Detection and surveillance research workshop AGENDA

Start: 9:30am, Tuesday 10 September

Finish: 12pm, Wednesday 11 September

Location: Landcare Research, Waikirikiri Seminar Room, Lincoln. (follow the red arrows from Fleming Reception to the seminar room on the map on page 3).

Morning and afternoon teas and lunch will be provided. Drinks and dinner will be catered on the evening of Tuesday 10 September. **The venue has changed to the Lincoln Events Centre (see map below).** After the session finishes on Tuesday at 5:15, we will walk over to the events Centre (10 min). Drinks start at 5:30 and dinner is at 6:30.

Tuesday 10 September – Waikirikiri Seminar Room	
9:00 am	Tea & Coffee available
9:30	Welcome, introductions, opening remarks (Allan Ross, Andrea Byrom)
10:00	Theme 1: Eradication and Suppression (Chair: Graham Nugent)
5-10-minute speed presentations	John Parkes: Eradication and suppression: Five years on from the previous workshop and what have we learned?
	Margaret Stanley: Surveillance & detection of Argentine ants - what can vertebrate practitioners learn from invertebrate surveillance?
	Jamie MacKay: Rodent surveillance
	Andrew Veale: Use of genetic approaches in island eradications
	Andrew Gormley: Is detection (and mop up) feasible for rat and possum eradication at vast scales?
10:30	Discussion & break-out groups
11:30	Emerging research priorities & report back from session
12:00 pm	Lunch
1:00 pm	Theme 2: Detection Theory (Chair: Bruce Warburton)
5-10-minute speed presentations	Graham Nugent and Paul Livingstone: Eradication on the mainland: The role of surveillance and detection in rolling back TB
	Dean Anderson: On learning from surveillance data
	Helen Nathan: Ship rat interactions with detection devices: a camera-trap study
	Janine Duckworth: Pheromones for improving encounter and interaction rates
	Mandy Barron: Applying search theory to hunters
1:30	Discussion & break-out groups
2:00	Emerging research priorities & report back from session
2:30	Theme 3: High-tech Detection Technologies (Chair: Helen Blackie)
5-10-minute speed presentations	Paul Meek: Using image recognition approaches in camera trap research
	Helen Blackie: Novel automated pest detection and monitoring devices
	Al Glen: Use of DNA and sniffer dogs to estimate predator abundance

	James Ross: Individual ID of possums using DNA
	Tom Sullivan: camera traps and web cams for insects
3:00	Afternoon Tea
3:30	Bruce Warburton: Odour detection: e-noses and bees
	Kelvin Barnsdale: Wireless communication for detection and surveillance
3:45	Discussion & break-out groups
4:45	Emerging research priorities & report back from session
5:15	Finish
5:30 onwards	Drinks and nibbles, Lincoln Events Centre (see map)
6:30 onwards	Dinner, Lincoln Events Centre
Wednesday 11 September – Waikirikiri Seminar Room	
9:00 am	Theme 4: Stakeholder Needs and Citizen Science (Chair: Andrea Byrom)
5-10-minute speed presentations	Roger Pech: Citizen science for monitoring: can we use community data to make forecasts for irruptive species?
	Mark Mitchell: Past use and future needs of surveillance cameras in Auckland
	Campbell Leckie: Integrating top predator control into landscape scale possum control programmes
	Dale Williams: What we know we don't know about dama wallabies
	Glen Falconer: Surveillance camera use and needs for Greater Wellington
	Antony Shadbolt: Camera traps for recording presence and use of different habitats by waterfowl in riparian willow woodlands
9:45	Discussion & break-out groups
10:00	Morning tea
10:30	Discussion & break-out groups
11:15	Emerging research priorities & report back from session
11:45	Final remarks and wrap-up
12:00	Finish and lunch

Camera trap practical workshop AGENDA

Start: 1pm, Wednesday 11 September Finish: 5pm, Wednesday 11 September

Location: Johnstone Memorial Laboratory, Lincoln University, & office area outside the lab (with indoor option in case of rain)

Note: afternoon tea will be organised by Lincoln University

Wednesday 11 September – Johnstone Memorial Laboratory	
Chair: Elaine Murphy	
1:00 pm	How Camera Traps work (Paul Meek)
2:00	Move to outdoor area. Break into 4 groups and move to new group after 30 mins
	Placement & orientation of cameras (Paul Meek)
	Small vs. large eg. capturing rats vs. deer (Grant Morriss)
	Filming bird nests: tree, burrow, riverbed (Graeme Elliott & Stu Cockburn)
	Population estimates and presence/absence (Al Glen)
4:00	Questions that have arisen, research needed, summary of session
5:00	Finish

Handy Maps

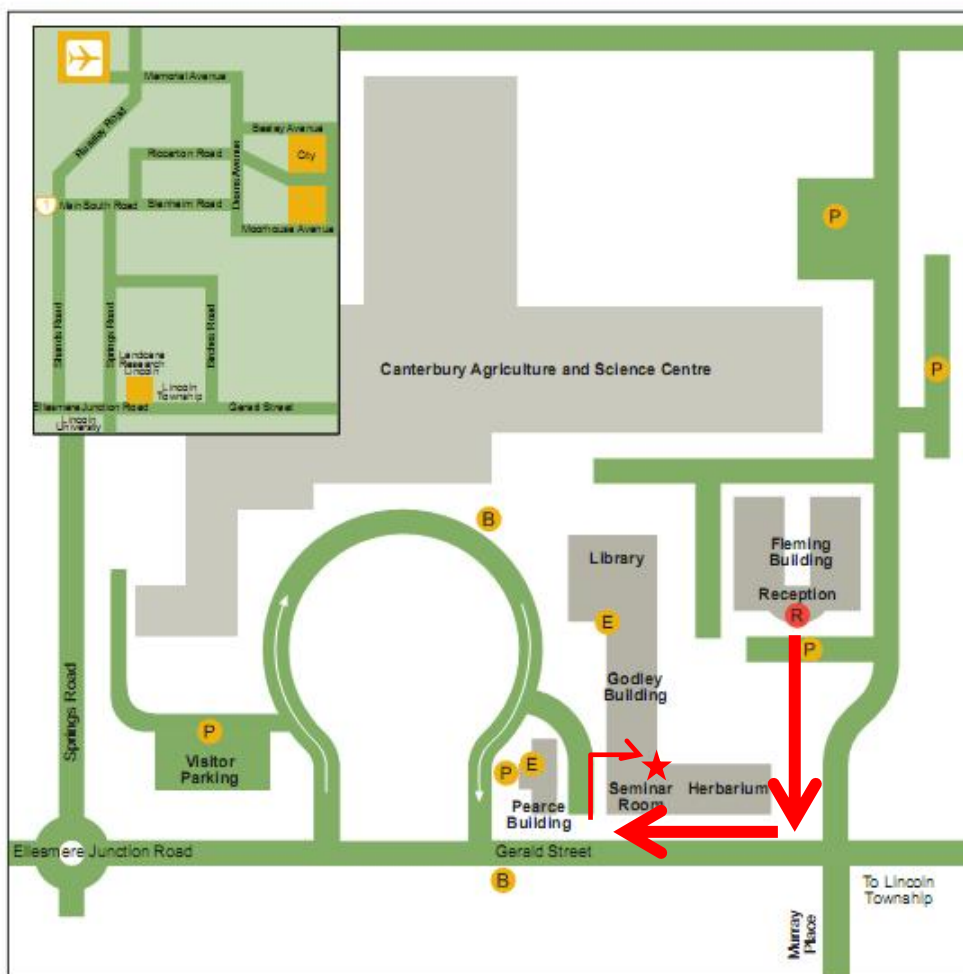
Johnstone Memorial Laboratory, Lincoln University:

For Instructions to the Johnstone Memorial Laboratory (camera trap workshop), talk to a Landcare Research or Lincoln University staff member.

Waikirikiri Room, Landcare Research:



Landcare Research Head Office



Landcare Research
Lincoln

Canterbury Agriculture & Science Centre
Gerald Street
Lincoln
New Zealand

Phone +64 3 321 9999

Travel time from airport = 25mins
Travel time from city centre = 30mins

- Bus stop **B**
- Parking **P**
- Reception **R**
- Entrance **E**
- Christchurch International Airport
- State Highway

How to get to the Lincoln Events Centre from Landcare Research:

