

Schedule of Talks

Talk Session 1 – Saturday May 3rd 2003

	<i>Plant Ecology</i> Room 270 Chair: R. Dukas	<i>Population Biology</i> Room 163 Chair: A. Schulte- Hostedde	<i>Evolutionary Genetics</i> Room 165 Chair: S. Myles
10:40	Nutrient limitations on plant growth and implications for herbivore forage in arctic marshes <i>Ngai* and Jefferies</i>	The evolution of species geographic range limits <i>Samis* and Eckert</i>	The influence of polyploidy on the fitness of yeast across a range of environments <i>Morrill* and Mable</i>
11:00	Carnivore induced density- and trait-mediated indirect effects cause changes in plant resistance to herbivores <i>Muis* and Thaler</i>	Effects of supplemental food on deer mouse populations <i>Desjardins* and Millar</i>	Characterizing polyploidy in <i>Arabidopsis lyrata</i> using light microscopy and flow cytometry <i>Dart*, Kron and Mable</i>
11:20	Responses to selection on protandry in <i>Chimerion angustifolium</i> <i>Routley* and Husband</i>	Demographic connectivity and sex-biased dispersal in bullfrogs (<i>Rana catesbeiana</i>) <i>Ireland*, Cebek and Berrill</i>	Flow cytometry as a tool used to determine ploidy in the Jefferson Salamander complex <i>Beriault*, Bogart and Mable</i>
11:40	Plant vascular architecture and within-plant spatial patterns in resource quality following herbivory <i>Viswanathan* and Thaler</i>	Effects of extra food on nestling survival in red-backed voles, <i>Clethrionomys gapperi</i> <i>Kasparian* and Millar</i>	Can sexual selection and antagonistic coevolution produce sex difference in autosomal recombination? <i>Lorch*</i>
12:00	Evolution consequences of biological invasion: Do invaders evolve increased vigour? <i>Brown* and Eckert</i>	Prey abundance, availability and anxiety in structured environments <i>Andreuskiw*, Fryxell and Thompson</i>	Novel circling mouse (Cr) appearing in a transgenic growth hormone colony demonstrates behaviour associated with dysregulated striatal dopamine <i>Chaudry*, Szechtman, Rosenfeld and Rollo</i>

Talk Session 2 – Saturday May 3rd 2003

	Population Biology Room 270 Chair: J. Desjardins	Mating Systems / Evolution Room 163 Chair: B. Neff	Conservation Biology Room 165 Chair: J. Quinn
1:20	Antagonistic pleiotropy, mortality source interactions and the evolutionary theory of senescence <i>Williams* and Day</i>	Male (mate) limitation in populations of a key intertidal amphipod <i>Forbes*, McCurdy, Lui and Boates</i>	A world out of balance: Assessing the cause, occurrence and implications of an emerging wildlife pathogen <i>Greer*, Berrill and Wilson</i>
1:40	Social dominance, scent marking and home range quality in the American marten (<i>Martes americana</i>) <i>Herzog*, Fryxell and Thompson</i>	Diploid male production and the population size paradox in common orchid bees <i>Zayed*, Roubik, and Packer</i>	The amazing pulsatile toadfish <i>Wood* and Walsh</i>
2:00	Can sex-specific life history traits be predicted in unsampled populations of yellow perch? <i>Purchase*</i>	What do web vibrations tell widows? <i>Leverette*, Andrade and Mason</i>	Identifying limiting factors for fish species at risk (SAR) in the Sydenham River <i>Poos*, Mandrak and McLaughlin</i>
2:20	Historical trends in body growth of select muskellunge (<i>Esox masquinongy</i>) populations in Ontario <i>Robinson* and Casselman</i>	Why are honeybee (<i>Apis mellifera</i>) drones so large? Comparing fitness components of individuals varying in size <i>McAneney Lannen*, Otis, Hall</i>	Emerging consequences of the sex-biased and trophy-oriented harvest of polar bears <i>Saunders*, de Groot, and Boag</i>
2:40	The similar effect of intrinsic versus extrinsic cycles on mean population densities <i>Brassil*</i>	The effects of intra-specific social interactions on reproductive control and ovarian development in <i>Bombus impatiens</i> Cresson workers <i>Wong*, Cnaani, Thompson</i>	Sentinel mice detect heritable DNA mutations induced by air pollution <i>Somers* and Quinn</i>

Talk Session 3 – Saturday May 3rd 2003

	Community Ecology Room 270 Chair: J. Bogart	Evolution Room 163 Chair: T. Pitcher	Behavioural Ecology Room 165 Chair: R. Gegear
3:20	Community genetics: The importance of genetic and environmental variation in affecting arthropod community composition on <i>Oenothera biennis</i> <i>Johnson* and Agrawal</i>	Is staying power more important than size? Tests in the Australian redback spider Kasumovic* and Andrade	Worker reproduction in honeybees: A potential two strategy game <i>Abbott*</i>
3:40	The influence of macro-invertebrate predators on the recovery of zooplankton communities in Swan Lake <i>Cooper-Jackson* and Arnott</i>	The effects of condition on the ontogeny of sexually dimorphic traits in the ambush bug <i>Phymata americana</i> <i>Punzalan*, Rowe and Rodd</i>	Effect of the reward properties on learning and choice in free foraging bumblebees <i>Cnaani*</i>
4:00	Spatial and temporal patterns of small stream habitat use by Brook Trout, <i>Salvelinus fontinalis</i> , in Northwestern Ontario <i>Lawrie* and Mackereth</i>	Unseen danger: The fate of a moth on the water surface <i>Guignion*</i>	Predator decrease flower visitation by bees <i>Dukas*</i>
4:20	Removing the confounding effect of habitat specialization reveals stabilizing contribution of diversity to species variability <i>Kolasa* and Li</i>	Tragedy of the commons, trustworthiness and competitive altruism <i>Barclay*</i>	Social and nesting behaviour in the larger carpenter bees <i>Xylocopa</i> <i>Prager*</i>
4:40	Do productivity and biodiversity influence colonization rates of rockpool zooplankton communities? <i>Hovius*, Beisner, Hayward and Kolasa</i>		The social biology of <i>Halictus farinosus</i> <i>Sellers*</i>

Talk Session 4 – Sunday May 4th 2003

	<i>Plant reproduction</i> Room 270 Chair: J. Kolasa	<i>Ecology</i> Room 163 Chair: J. Stone	<i>Signal Evolution</i> Room 165 Chair: B. Galef
10:40	Mating system regulation in <i>Chamerion angustifolium</i> <i>Tindall* and Husband</i>	A common genetic basis for food-related behaviours? <i>Fitzpatrick* and Sokolowski</i>	Sex- and context-specific behavioural patterns in response to a complex acoustic signal <i>Guerra*</i>
11:00	Characterizing expression of self-incompatibility alleles in <i>Arabidopsis lyrata</i> <i>Prigoda* and Mable</i>	Ontogenic changes in diet of coastal marine copepods <i>Finlay * and Roff</i>	Signal evolution in an artificial world <i>Sherratt*, Beatty and Rashed</i>
11:20	Experimental dissection of inbreeding and its adaptive significance in a flowering plant <i>Herlihy* and Eckert</i>	The factors that shape life history variation in the smallmouth bass <i>Dunlop*, Shuter and Rodd</i>	Songs of the Savannah Sparrow (<i>Passerculus sandwichensis</i>): Structure and geographic variation <i>Sung* and Handford</i>
11:40	The importance of geographic isolation in reproductive isolation between diploid and polyploidy <i>Chamerion angustifolium</i> <i>Sabara* and Husband</i>	Linking ecosystem-based and single species approaches to marine conservation <i>Evans*, Roff and Alidina</i>	Acoustic cloaking against eared moths during aerial attacks by the bat, <i>Myotis septentrionalis</i> <i>Ratcliffe*, Fullard and Jacobs</i>
12:00	Maternal and paternal effects on the fitness of hybrids between red (<i>Morus rubra</i> L.) and white mulberry (<i>Morus alba</i> L.) <i>Burgess* and Husband</i>	Micro-heterogeneity of natural aquatic microcosms and the effects on biodiversity <i>Reid* and Kolasa</i>	

Talk Session 5 – Sunday May 4th 2003

	<i>Evolutionary genetics Room 270 Chair: J. Xu</i>	<i>Community Ecology / Conservation Room 163 Chair: D. Earn</i>	<i>Mating System Evolution Room 165 Chair: L. Rowe</i>
1:20	Phylogenetic analyses of the corbiculate Apinae (Hymenoptera: Apidae) <i>Cardinal* and Packer</i>	Modelling gap formation, neighbourhood interactions and self-organization in a forest <i>Pagnutti*, Anand and Azzouz</i>	Mating type and mitochondrial inheritance in a fungus <i>Yan* and Xu</i>
1:40	Gene genealogical analysis reveals multiple hybridizations in natural populations of a yeast <i>Xu*</i>	Variation in riparian plant community structure: Influences of seed dispersal, regional community mosaics and the local environment <i>Arnold* and Aarssen</i>	The maintenance of sex in coexisting sexual and clonal minnows (<i>Phoxinus</i> sp.) <i>Mee* and Rowe</i>
2:00	Testing a parsimonious, evolutionary explanation for regional-scale variation in species richness <i>Pither* and Aarssen</i>	Sea turtles and forests: What's the connection? <i>Kamel* and Mrosovsky</i>	Fertilized female Japanese Quail weight the costs of sexual harassment differently than unfertilized females <i>Persaud* and Galef</i>
2:20	Evolution of tRNA-Leu genes in animal mitochondrial genomes <i>Higgs*, Jameson, Jow and Ratray</i>	Plant communities in oak savannahs in Ontario: Are we ready for reintroduction of the Karner Blue butterfly (<i>Lycaeides Melissa samuelis</i>)? <i>Chan*</i>	Male-male competition in redback spiders (<i>Lactrodectus hasselti</i>) <i>Stoltz* and Andrade</i>
2:40	Mitochondrial DNA and nuclear DNA telling different stories: Evidence from the black-tailed brush lizard <i>Lindell*, Murphy and Mendez de la Cruz</i>	Community disassembly – What causes divergence? <i>Biggers* and Kolasa</i>	Advantage of male self sacrifice in redbacks: Straight sperm transfer or cryptic female choice? <i>Snow* and Andrade</i>

Talk Session 6 – Sunday May 4th 2003

	<i>Evolutionary Genetics</i> Room 270 Chair: P. Higgs	<i>Mating Systems/Evolution</i> Room 163 Chair: P. Barclay	<i>Conservation Biology</i> Room 165 Chair: C. Wood
3:20	A genealogical study of the evolution of sterile polyploids <i>Bruni* and Eckert</i>	The effects of selection and sex-linkage on the evolution of mammalian sperm proteins <i>Torgerson*, Kulathinal and Singh</i>	Exurban development and the nesting success of birds breeding in hardwood forest fragments <i>Phillips*, Nol and Burke</i>
3:40	The evolution of lactase persistence <i>Myles*</i>	On detecting sexually antagonistic coevolution with population crosses <i>Rowe, Cameron* and Day</i>	The effects of forest fragmentation on post-fledging survival and dispersal of a forest songbird <i>Rush* and Stutchbury</i>
4:00	Speciation in sand lizards of the <i>Phrynocephalus versicolor</i> complex (Agamidae) <i>Gozdzik* and Fu</i>	Genome replacement and the maintenance of the unisexual lineage of <i>Ambystoma</i> <i>Ramsden*</i>	Road effects on southern flying squirrels (<i>Glaucomys volans</i>) <i>Judge*, Bednarczuk and Nudds</i>
4:20	Fiordland Tokoeka; a Phylogeographically unique kiwi...or two <i>Burbidge*, Robertson, Colbourne and Baker</i>	Ejaculate feeding expedites oviposition and increases female fecundity in the sexually dimorphic fly <i>Prochyliza xanthostoma</i> (Diptera: Piophilidae) <i>Bonduriansky*, Wheeler and Rowe</i>	The effects of an invasive invertebrate predator, <i>Bythotrepeks logimanus</i> , on zooplankton communities recovering from acidification <i>Strecker* and Arnott</i>
5:00	Evolutionary rates and species diversity in Arachnids <i>Barrett*</i>	Genitalic elaboration in guppies (<i>Poecilia reticulata</i>) <i>Cheng*</i>	Nitrogen isotopes and bioerosion surveys on the florida reef tract suggest widespread land-based stress on the reefs <i>Ward-Paige* and Risk</i>