

5th International Conference of Poeciliid Biologists: Programme

Monday 25th June 2012

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| 8.00 – 9.00  | Registration |
| 9.00 – 10.00  | Opening ceremony Welcome by Chair Remarks by Dean Remarks by Principal MSTTE Minister Address |
| 10.00 – 10.30  | COFFEE BREAK |
| 10.30 – 11.15  | **Keynote address:** Professor Anne Magurran |
|  | *Small is beautiful: Trinidadian guppies and evolutionary ecology* |
|  |  **Session 1** ***Invasive Poeciliids* *1*** Chair: Kit Magellan |
| 11.15 – 11.35 | Amy Deacon |
|  | *How reproductive ecology contributes to the global invasive success of the Trinidadian guppy* |
| 11.35 – 11.55  | Craig Sargent |
|  | *Size-Dependent Dispersal in Two Species of Mosquitofish, Gambusia affinis and Gambusia geiseri* |
| 11.55 – 12.15 | Doug Fraser |
|  | *Invasion by niche construction: an experimental study of a predatory reversal between stream fish* |
| 12.15 – 12.30 | Morelia Camacho-Cervantes |
|  | *Behavioural responses to novel environments* |
| 12.35 – 1.50 | LUNCH |
|  | **Session 2** ***Invasive Poeciliids 2***  Chair: Anne Magurran |
| 1.50 – 2.10  | Emili Garcia Berthou |
|  | *On the invasive success and ecological impact of mosquitofish (Gambusia holbrooki) in Europe: what have we learned?* |
| 2.10 – 2.30 | Kit Magellan |
|  | *Mosquitofish harassment of native fish and the potential ameliorating effects of artificial refugia* |
| 2.30 - 2.50 | Al Reeve |
|  | *Acclimation responses to different thermal regimes by the Trinidadian guppy* |
| 2.50 – 3.10 | SESSIONS 1 AND 2: QUESTIONS AND DISCUSSION |
| 3.10 – 3.40 | COFFEE BREAK |
|  | **Session 3**: ***Parasites and Poeciliids*** Chair: Amy Deacon |
| 3.40 – 4.00 | Jessica Stephenson |
|  | *Parasite distribution among Trinidadian guppy populations* |
| 4:00- 4.20 | Felipe Pérez-Jvostov |
|  | *Local adaptation in the context of a mosaic of coevolution: A test with guppies and Gyrodactylus* |
| 4.20 – 4.30 | SESSION 3: QUESTIONS AND DISCUSSION |
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Tuesday 26th June 2012

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| 8.30 – 9.10  | **Keynote Address:** Professor David Reznick |
|  | *Livebearing – How did it begin and where did it go?* |
|  | **Session 4**: ***Life History and Evolution*** ***1*** Chair: David Reznick |
| 9.10 – 9.30 | Oscar Rios-Cardenas |
|  | *Differential predation risk of alternative reproductive tactics in a swordtail fish* |
| 9.30 – 9.50  | Alexandra Basolo |
|  | *The Effect of Predator Behavior on the Evolution of Platyfish Size* |
| 9.50 – 10.10 | Alexander Kotrschal |
|  | *Artificial brain size selection reveals decreased fecundity but increased learning abilities in fish with larger brains* |
| 10.10 – 10.30 | COFFEE BREAK |
|  | **Session 5**: ***Life History and Evolution 2*** Chair: Doug Fraser |
| 10.30 – 10.50 | Jose Luis Ponce de Leon |
|  | *Life-history strategies of Cuban poeciliid fishes* |
| 10.50 – 11.10  | Patricia Frias Alvarez |
|  | *Variation in superfetation and related life-history traits of two Mexican poeciliids: Poeciliopsis infans and P. gracilis* |
| 11.10 – 11.30 | Harry Grier |
|  | *The Annual Reproductive Cycle and Its Day Photoperiod Control In Poecilia latipinna (Lesueur, 1821), the sailfin molly* |
| 11.30 – 11.50 | Mari Carmen Uribe  |
|  | *Structure of the ovarian gonoduct of Poecilia reticulata during non-gestation and gestation phases.* |
| 11.50 – 12.10 | Alfredo Ojanguren  |
|  | *Transgenerational effects of fatty acid nutrition in western mosquitofish (Gambusia affinis).* |
| 12.10 – 1.40 | LUNCH |
|  | **Session 6**:  ***Poeciliid Genetics*** Chair: Indar Ramnarine |
| 1.40 – 2.00  | Eshita Sharma  |
|  | *Transcriptome of Poecilia reticulata and comparative analysis for identification of sex-linked loci associated with evolution of the guppy sex chromosomes.* |
| 2.00 – 2.20 | Manfred Schartl  |
|  | *Genomic consequences of paternal introgression in the Amazon Molly, Poecilia formosa* |
| 2.20 - 2.40 | Ronald Walter  |
|  | *Aberrant gene expression in Xiphophorus interspecies hybrids* |
| 2.40 – 3.10 | COFFEE BREAK |
|  | **Session 7: *Poeciliid Genomics***Chair: Dawn Phillip |
| 3.10 – 3.30 | Manfred Schartl  |
|  | The *Xiphophorus maculatus* Jp 163 A genome |
| 3.30 –3.50 | Wesley Warren |
|  | The genomic investigation of *Poecilia formosa* |
| 3.50 – 4.30 | SESSIONS 4 – 7: QUESTIONS AND DISCUSSION |

Wednesday 27th June 2012

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| 8.30 – 9.10  | **Keynote Address:** Professor Jens Krause |
|  | *Collective Behaviour and Swarm Intelligence* |
|  | **Session 8**: ***Poeciliid Communication*** Chair: Darren Croft |
| 9.10 – 9.30 | Chris Elvidge |
|  | *Chemical information and risk assessment in guppies: influences of predation risk, experience and context on antipredator behaviours* |
| 9.30 – 9.50  | Andreas Svensson |
|  | *Quantifying ornamental carotenoids in male guppies, Poecilia reticulata* |
| 9.50 – 10.10 | Karoline Borner |
|  | *Turbidity affects shoaling behaviour and association strength in Trinidadian Guppies* |
| 10.10 – 10.30 | COFFEE BREAK |
|  | **Session 9**: ***Social Lives of Poeciliids*** Chair: Jens Krause |
| 10.30 – 10.50 | Darren Croft |
|  | *Behavioural trait assortment in a social network: patterns and implications* |
| 10.50 – 11.10  | Penny Watt |
|  | *Boldness of pairs affects reproductive success in the guppy* |
| 11.10 – 11.30 | Amber Makowicz |
|  | *"Poecilia latipinna: The cost of living in a sexual harassment environment"* |
| 11.30 – 11.50 | Darren Croft |
|  | *Social preferencesbased on sexual attractiveness: a female strategy to reduce male sexual attention* |
| 11.50 – 12.10 | SESSIONS 8 AND 9: QUESTIONS AND DISCUSSION |
| 12.10 – 1.20 | LUNCH |
|  | **Session 10**: ***Sex Lives of Poeciliids 2*** Chair: Alexandra Basolo |
| 1.20 – 1.40 | Caitlin Gabor |
|  | *Geographic variation in mate choice in a unisexual-bisexual species complex: are populations consistent?* |
| 1.40 – 2.00  | Miguel Barbosa  |
|  | *Early social conditions delay the development of sexual behaviour in Trinidadian guppies* |
| 2.00 – 2.20 | Raelynn Deaton |
|  | *Comparative effects of female resistance on male mating success across three livebearers with differing mating strategies* |
| 2.20 - 2.40 | Heather Auld |
|  | *Male mate-choice copying and the audience effect in the Trinidadian guppy, Poecilia reticulata* |
| 2.40 – 3.00 | David Bierbach |
|  | *Audience effects during mate choice of poeciliid males are no aggression avoidance strategies* |
| 3.00 – 3.30 | COFFEE BREAK |
|  | **Session 11**: ***Sperm Competition*** Chair: Alfredo Ojanguren |
| 3.30 – 3.50 | Robin Graber |
|  | *Female preference for novel males in the guppy: does a fresh face matter?* |
| 3.50 – 4.10 | Gunilla Rosenqvist |
|  | *Sperm competition in guppies* |
| 4.10 – 4.30 | Andrea Di Nisio |
|  | *Evolutionary consequences of producing competitive ejaculates: Insights from an artificial selection study for sperm production in Poecilia reticulata* |
| 4.30 – 4.50 | Raelynn Deaton |
|  | *Male mosquitofish alter mating behavior in response to risk of sperm competition* |
| 4.50 – 5.10 | SESSIONS 10 AND 11: QUESTIONS AND DISCUSSION |