

**DIET, ENVIRONMENT AND EXTRACELLULAR VESICLES**

**JANUARY – 27th to 28th**

**Teaching and Learning Centre (TLC), La Trobe University, Bundoora, Victoria 3086, Australia**

**Organizers**

**Chair:** Suresh Mathivanan (La Trobe University, Australia)

**Local and International Board:** Michael Pfaffl (Technical University of Munich, Germany); Marilyn Anderson (La Trobe University, Australia); Mark Bleackley (La Trobe University, Australia)

**ISEV Board:** Marca Wauben (Utrecht University, The Netherlands); Andrew Hill (La Trobe University, Australia)





**PROGRAM**

**January 27**

8:30-9:00: Registration

9:00-9:10: Welcome to the Seminar and outline

Suresh Mathivanan

9:10-9:25: ISEV research seminars and their output

Marca Wauben (ISEV) and Kenneth Witwer (ISEV)

9:25-9:40: ISEV and La Trobe University

Andy Hill (ISEV)

**Theme # 1: Hunt for exogenous RNA**

**9:40-10:25**

**Chairperson**: Andy Hill

*9:40-10:05 Chen-Yu Zhang*

*Circulating exogenous RNA*

*10:05-10:25 Cherie Blenkiron*

*Exogenous RNA*

**10:25-11:00 Coffee Break**

**Theme # 2: Influence of diet on disease, EVs**

**11:00-12:40**

**Chairperson**: Mark Bleackley

*11:00-11:25 Greg Neely*

*Fly and diabetes*

*11:25-11:50 Sophie Rome*

*EV and diabetes*

*11:50-12:15 Linda Ban*

*Effect of diet and aging on EVs*

*12:15-12:40 Ken Witwer*

*Dietary- nutrition vs information*

*12:40-12:55 Monisha Samuel*

*Milk EVs on disease*

**12:55-14:00 Lunch Break**

**14:00-15:40 Debate #1: Are dietary RNA/EVs detected in circulation? Do they have any functional role? Pros and cons**

Moderators: *Marca Wauben and Andy Hill*

**Pros**

 *Janos Zempleni*

 *Kendal Hirschi*

**Cons**

 *Ken Witwer*

 *Suresh Mathivanan*

**15:40-16:20 Coffee Break**

**16:20-17:40 Roundtable # 1: Exogenous RNA**

**Moderators:** *Phil Askenase and Michael Pfaffl*

**16:20-17:40 Roundtable # 2: Dietary EVs**

**Moderators:** *Janos Zempleni and Kendal Hirschi*

**17:40-18:00 Short break**

**18:00-18:40 Wrap up presentations of the roundtable discussions**

**18:45 Networking Event – Dinner**

**January 28**

**Theme # 3: Milk EVs**

**9:00-10:40**

**Chairperson**: *Michael Pfaffl*

*9:00-9:25 Janos Zempleni*

*Milk EVs*

*9:25-9:50 Susumu Muroya*

*Grazing cow EVs*

*9:50-10:15 Takahiro*

*Milk EVs as therapeutics*

*10:15-10:40 Marca Wauben*

*Milk EVs*

**10:40-11:20 Coffee Break**

**Theme # 4: Dietary RNA**

**11:20-12:35**

**Chairperson**: *Marilyn Anderson*

*11:20-11:45 Kendal Hirschi*

*Plant EVs*

*11:45-12:10 Jeff Habig*

*Safety perspective of dietary RNA*

*12:10-12:35 Michael Pfaffl*

*Is there a dietary plant RNA transfer in animals?*

**12:35-13:40 Lunch Break**

**Theme # 5: Environmental EVs**

**13:40-15:00**

**Chairperson**: Kenneth Witwer

*13:30-13:55 Navind*

*Environmental EVs*

*13:55-14:20 Jen Wiltshire*

*Soil microbiome*

*14:20-14:45 John Satterlee*

*Environment EVs and NIH*

*14:45-15:00 Kening Zhao*

*Yeast EVs*

**Theme # 6: EVs in immune suppression**

**15:00-16:15**

**Chairperson**: *Cherie Blenkiron*

*15:00-15:25 Phil Askenase*

*Oral delivery of exosomes and immune suppression*

*15:25-15:50 Leidy*

*Outer membrane vesicles in supplements*

*15:50-16:15 Jason Howitt*

*Oral/nasal delivery of EVs*

**16:15-17:00 Coffee Break**

**17:00-18:00 Roundtable # 3: Environmental EVs**

**Moderators:** Marca Wauben and Mark Bleackley

**17:00-18:00 Roundtable # 4: Dietary EVs for therapy**

**Moderators:** Suresh Mathivanan and Marilyn Anderson

**18:00-18:20 Short break**

**18:20-19:00 Wrap up presentations of roundtable discussions**

**19:00 Concluding remarks –** Marca Wauben

**Free evening**