

Organized by



Don Ostrow Trieste Yellow Retreat 2017

Program

Under the patronage of



Reaching the Campus

Bus line 39 and line 51 from the Central Station to ELETTRA. Trip duration ≈20min

- ✓ *Bus line 39*: leaves the Central Station at **8.00 and 8.30**
- ✓ *Bus line 51*: leaves the Central Station at **7.43**

Wednesday, September 6, 2017

- 08:50 - 09:00 Claudio Tiribelli (Trieste, IT): *Welcome and Introduction*
- 09:00 - 09:40 J. Don Ostrow Lecture – Sean Riordan (Kansas City, MO, US): *“Variations in variants and variability: Tacking genetic susceptibility to bilirubin neurotoxicity”*

Session #1 - Genes and Bilirubin

(Chair: Claudio Tiribelli, IT)

- 09:40 - 10:00 Radhian Amandito (Depok City, Giava, Indonesia): *“UGT1A1 gene polymorphism and unconjugated hyperbilirubinemia in Bengkulu neonates”*
- 10:00 - 10:20 Laura Fuglsand Bech (Aalborg, Denmark): *“Extreme neonatal hyperbilirubinemia, acute bilirubin encephalopathy, and kernicterus associated with galactosemia”*
- 10:20 - 10:50 Coffee Break

Session #2 - Treatments for Hyperbilirubinemia

(Chair: Sergio Demarini, IT)

- 10:50 - 11:10 Jon Watchko (Pittsburgh, Pennsylvania, US): *“Understanding double volume exchange transfusion: The case against emergency release packed red blood cells for urgent exchange transfusion in neonates with advanced acute bilirubin encephalopathy”*
- 11:10 - 11:30 Jana Jasprova (Prague, CZ): *“Do bilirubin photooxidation products have any biological effects in neuronal tissue?”*
- 11:30 - 11:50 Mette Line Donneborg Roed (Aalborg, Denmark): *“The impact of hemoglobin on the efficacy of phototherapy in hyperbilirubinemic infants”*
- 11:50 - 12:10 Christian Hulzebos (Groningen, Holland): *“Phototherapy and oxidative DNA-damage: true or false”*
- 12:10 - 12:30 Mette Line Donneborg Roed (Aalborg, Denmark): *“Intensive phototherapy, double versus single, in treatment of neonatal hyperbilirubinemia using light emitting diodes”*
- 12:30 - 13:40 Lunch

Session #3 - Bilirubin and the Neurological Damage

(Chair: Jon Watchko, US)

- 13:40 - 14:00 Thomas Hegyi (New Brunswick, New Jersey, US): “Unbound bilirubin measurements by a novel probe in the premature infant”
- 14:00 - 14:20 Alan Kleinfeld (San Diego, US): “Effect of sample dilution on unbound bilirubin (Bf) concentrations in model systems and premature infants”
- 14:20 - 14:40 Mamdouha Ahdab-Barmada (Beirut, Lebanon): “The pathogenesis of demyelination as recently repeatedly reported in neonates diagnosed with Kernicterus”
- 14:40 - 15:00 Basheer HB Hoda (Cairo, Egypt): “Screening for neonatal jaundice in El Galaa Teaching Hospital: A Egyptian Maternity Hospital – Can the model be replicated?”
- 15:00 – 15:20 Eva Wouda (Mae Sot, Thailand): “Clinical and neurodevelopmental outcome of newborns with excessively high levels of serum bilirubin in a limited-resource setting: a matched case-control study”
- 15:20 - 15:50 Coffee Break

Session #4 – Bilirubin protection

(Chair:: Karl-Heinz Wagner, AT)

- 15:50 - 16:10 Anela Tosevska (Wien, AT): “Bilirubin decreases macrophage cholesterol efflux and ABCA1 protein expression”
- 16:10 - 16:30 Petra Valášková (Prague, CZ): “Antiinflammatory effects of bilirubin”
- 16:30 - 16:50 Jakub Šuk (Prague, CZ): “Milk thistle natural polyphenols increase systemic as well as hepatic concentrations of bilirubin and decrease hepatic lipoperoxidation in mice”

Returning downtown:

Bus line 39 and line 51 from ELETTRA to the Central Station. Trip duration ≈20min.

- ✓ Bus line 39: leaves ELETTRA at 17.41 / 18:46.
- ✓ Bus line 51: leaves ELETTRA at 17.15 / 18.20.

19:30- The Yellow Dinner

Location - Triestina della Vela – see map: <http://bit.ly/2rZGSHy>

Don Ostrow Trieste Yellow Retreat – Program

Thursday, September 7, 2017

Session #5 - Molecular events in hyperbilirubinemia

(Chair: Libor Vitek, CZ)

- 09:00 - 09:20 Nazlisadat Seyed Khoei (Vienna, AUT) *“Mild hyperbilirubinemia: A link to anthropometry and lipid metabolism”*
- 09:20 - 09:40 Andres Muro (Trieste, IT): *“Modulation of bilirubin neurotoxicity by the Abcb1 transporter in the Ugt1-/- lethal mouse model of neonatal hyperbilirubinemia”*
- 09:40 - 10:00 Nathalie Strazielle (Lyon, FR): *“Blood-brain barriers in the Gunn rat: is their integrity challenged in neonates?”*
- 10:00 - 10:20 Cynthia F. Bearer (Baltimore, Maryland,US): *“Effects of hyperbilirubinemia on preterm cerebellar function and cerebellar granule neuron signaling”*
- 10:20 - 10:40 Nazli Kuter (Istanbul,Turkey): *“The neuroprotective effects of hypothermia on bilirubin induced neurotoxicity in neuronal cell”*
- 10:40 - 11:00 Giulia Bortolussi (Trieste, IT): *“Inhibition of bilirubin-induced inflammatory response by minocycline treatment mitigates neonatal hyperbilirubinemia”*
- 11.00 - 11.20 Vipin Rawat (Trieste, IT): *“Induction of DNA damage and homologous recombination by bilirubin”*
- 11.20 - 11.30 Claudio Tiribelli (Trieste, IT): *Summing up and future trends*

To downtown:

- ✓ Bus line 51 to Central Station leaves Elettra at 12.00

Operational Tidbits

1. The meeting will take place at the **T1 Room of “ELETTRA”, Basovizza Campus, Trieste.**
2. Info on where AREA is located and how to get there available at <https://www.elettra.trieste.it/about/how-to-reach-us.html>
3. Transportation will take place by public transport line. Trip duration to reach the meeting place: around 20min. To reach to meeting place, please take the buses #39 or 51 from the Central Station to “ELETTRA”.
 - ✓ **Bus #39** will leave from the rail station (Piazza Libertà, [see map](#)) **at 8.00 and 8:30.**
 - ✓ **Bus #51** will leave from the rail station (Piazza Libertà, [see map](#)) **at 7.43**
 - ✓ For Timetable see: <http://www.triestetrasporti.it/index.php?linee-e-orari>

In timetables “Feriale” refers to a working day, “Festivo” to Sunday. Note also that bus N. 39 stops in Basovizza (1.5 km from the lab) and only a few rides reach Elettra.

You need to buy a bus ticket and stamp upon entry the bus (1.25 euro at ride). Bus tickets will be available at any tobacco shop or newspaper agent or at the vending machine near many bus stops. In case of need contact us.

4. Projection equipment will be provided (both PC and Mac). Free WiFi connection will be available.
5. Coffee Breaks and Lunch will be served.
6. Should you need help please contact DOTYR office: dotyr@fegato.it or Claudio Tiribelli on mobile phone +39 335 386939
7. The presentation will be as informal as possible and flexibility in the time schedule will be allowed. The TYR rule is “*There are no rules except scientific and human interaction*”.
8. Please forward to all the young speakers/attendees not listed in this email due to lack of address.
9. If you require a taxi: **Radiotaxi:** tel.+39 040 307730 or **Taxi Alabarda:** tel. +39 040 390039. Average cost to Basovizza from downtown: 20 Euro.

Transfer available with special fares to and from the Trieste and Venice Airport with:

- ✓ Science bus: <https://www.science-bus.com/user/index.php?l=en#>
 - ✓ GoOpti: <https://www.goopti.com/en/> We suggest booking in advance.
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10. Accommodation: A list of hotels affiliated with DOTYR will be provided.