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RESEARCH AND INNOVATION



## **Don Ostrow Trieste Yellow Retreat 2019**

### **Program**

#### **Reaching the Campus**

Bus line 39 and line 51 from the Central Station to ELETTRA. Trip duration  $\approx$ 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 4, 2019**

- 08:50 - 09:00 Claudio Tiribelli (Trieste, IT): *Welcome and Introduction*
- 09:00 - 09:40 J. Don Ostrow Lecture – Laura Ballerini (Trieste, IT): *“Neuroscience Technology and Nanomaterials: stimulating, replacing and re-directing axon growth in nerve tissue repair”*

#### **Session #1 – Basic Neurotoxicity** (Chair: Steven Shapiro, US)

- 09:40 - 10:00 Cynthia F. Bearer (Baltimore, MD, US): *“The Neuroprotective Impact of Choline on Hyperbilirubinemic Gunn Rats”*
- 10:00 - 10:20 Rossana Rauti (Trieste, IT): *“Activation of the apoptotic calcium-dependent signaling in primary hippocampal neuronal cells by bilirubin”*
- 10:20 - 10:40 Giulia Bortolussi (Trieste, IT): *“Crigler-Najjar type I syndrome: from the bench to the bedside”*
- 10:40 - 11:00 Coffee Break

#### **Session #2 – Total & Unbound Bilirubin (Bf) determination** (Chair: Libor Vitek, CZ)

- 11:00 - 11:20 Anders Aune (Trondheim, NO): *“Evaluation of a smartphone based screening tool for neonatal jaundice”*
- 11:20 - 11:40 Sean Riordan (Kansas City, MO, US): *“Development of an internal study of free-bilirubin and genetic factors for bilirubin neurotoxicity: challenges and accomplishments”*
- 11:40 - 12:00 Viviane Van Hoof (Antwerp, BE): *“Application of a new, direct and simple method to quantify free bilirubin in term and premature neonates: clinical significance and relation to serum total bilirubin and albumin”*
- 12:00 - 12:20 Thomas Hegyi (New Brunswick, NJ, US): *“Unbound bilirubin (Bf) levels in newborn infants”*
- 12:20 - 12:40 Alan Kleinfeld (San Diego, CA, US): *“The UBCheck assay for unbound bilirubin (Bf): status, effects of the 40 most used drugs in infants and conjugated bilirubin (cBR)”*
- 12:40 - 13:40 Light Lunch

### Session #3 –SNJ (Severe Neonatal Jaundice) in the World

(Chair: Carlos Coda Zabetta, IT)

- 13:40 – 14:00 Nem Yun Boo (Kuala Lumpur, MY): “Severe Neonatal Hyperbilirubinemia is still a common problem in Malaysia”
- 14:00 - 14:20 Donna Brezinski (Somerville, MA, US): ““Bilikit”: Preventing kernicterus with a comprehensive jaundice management package designed for resource challenged areas”
- 14:20 - 14:40 Mahendra Sampurna (Surabaya, ID): “Improving neonatal hyperbilirubinemia management in Indonesia: Where are we now?”
- 14:40 - 15:00 Anne Cortey (Paris, FR): “Implementation on maternity wards of a sleeping bag of light (Bilicocoon bag®) to treat hyperbilirubinemic newborns.”
- 15:00 - 15:40 Esterlita Uy (Manila, PH): “Applicability of the hour of life approach in hyperbilirubinemia among Filipino term infants”
- 15:40 - 16:00 Christian Hulzebos (Groningen, NL): “Is bilirubin determination reliable? The Dutch approach”
- 16:00 - 16:20 Richard Wennberg (Seattle, WA, US): “The importance of maternal instruction in preventing Kernicterus - Lessons from Nigeria ”
- 16:20 – 16.40 Discussion
- 16:40 - 16:50 Cynthia F. Bearer (Baltimore, MD, US): “The Yellow “portion” of Pediatric Research”
- 16.50 Adjourn

#### 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: MY WAY, Via Cadorna 9

<https://goo.gl/maps/fwc8Gg7neMtcQcn67>

**Don Ostrow Trieste Yellow Retreat – Program**

**Thursday, September 5, 2019**

**Session #4 – Protective role of bilirubin**

(Chair: Christian Hulzebos, NL)

- 09:00 – 09:20 Libor Vitek (Prague, CZ): “Association between plasma bilirubin and mortality”
- 09:20 – 09:40 Nazlisadat Seyed Khoei (Vienna, AT): “Bilirubin levels and risk of colorectal cancer”
- 09:40 - 10:00 Petra Valaskova (Prague, CZ): “Hyperbilirubinemia in Gunn rats is associated with milder inflammatory response in LPS-mediated systemic sepsis”
- 10:00 - 10:20 Ivana Markova (Prague, CZ): “Anti-angiogenic effects of the blue-green alga *Arthrospira platensis* on pancreatic cancer
- 10.20 – 10.40 Nikola Capkova (Prague, CZ):  
“Study of biological properties of bilirubin and lumirubin”
- 10:40 - 11:20 Coffee Break

**Session #5 – Phototherapy and beyond**

(Chair: Cynthia F. Bearer, US)

- 11:20 - 11:40 Christian Hulzebos (Groningen, NL) “Led-phototherapy and oxidative stress in rats and preterm infants”
- 11:40 – 12:00 Mette Line Donneborg Roed (Hjørring, DK): “The efficacy of phototherapy with blue LED light centered at 478 nm vs. 459 nm in jaundiced neonates”
- 12:00 – 12.20 Sri Jayanti (Makassar -Trieste, ID - IT) “Curcumin reverses hypoplasia in hyperbilirubinemic Gunn rat by a pleiotropic effect on the molecular effectors of brain damage”
- 12.20 – 12.30 Claudio Tiribelli (Trieste, IT): *Summing up and future trends*

**To downtown:** ✓ Bus line 51 to Central Station leaves Elettra at 13.15

**Poster Session**

(Updated July 4, 2019 – possibly more to come)

1. “Comparison of a Newly-developed Smartphone Application versus Commercially Available Irradiance Meter in Measuring Phototherapy Irradiance”. Ian Phillip C. Roman, Esterlita V. Uy (Manila, PH)

### **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>

You can also search for Fondazione Italiana Fegato on Google Maps:

<https://goo.gl/maps/8FyNut5NGi8QW7Mk7>

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](mailto:dotyr@fegato.it) or Claudio Tiribelli on mobile phone +39 335 386939 (also WhatsApp)
7. The presentation will be as informal as possible and flexibility in the time schedule will be allowed. The DOTYR 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 advance booking to reduce cost
- ✓ Flixbus: <https://global.flixbus.com/>

10. Accommodation: A list of hotels affiliated with DOTYR has been provided. For any additional info please write to [dotyr@fegato.it](mailto:dotyr@fegato.it)