

PMP | WORKSHOP

Philip Morris
International
R&D

In vitro exposure systems and
dosimetry assessment tools
for inhalation toxicology

co-organized by

ALTERNOX
academy

THURSDAY 23 – FRIDAY 24 MAY 2019
Hosted by Philip Morris R&D
NEUCHÂTEL, SWITZERLAND



Philip Morris
International
R&D



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<http://academy.alternox.be>

DAY 1 THURSDAY MAY 23RD

08:45 - 09:00	Welcome coffee		
09:00 - 09:10	Introduction	Altertox Academy & Workshop overview	Ilija Prachkovski Altertox Academy
09:10 - 09:40	Lecture / Webinar	Aerosol physics for particles and vapors including models and novel approaches for aerosol flows prediction and characterization using Computational Fluid Dynamics	Arkadiusz Kuczaj PMP
09:40 - 09:55	Lecture / Webinar	Deterministic dosimetry for particles and vapors	Michael Oldham External consultant
09:55 - 10:10	Lecture / Webinar	Experimental approaches to characterize in vitro exposure system	Sandro Steiner PMP
10:10 - 10:25	Lecture / Webinar	In Vitro Models	Samuel Constant Epithelix
10:25 - 10:40	Lecture / Webinar	Exposure systems used for in vitro inhalation toxicology	Stefan Frentzel PMP
10:40 - 10:55	Lecture / Webinar	Use of High-Content Screening in characterizing the impact of trapped aerosol components in vitro	Diego Marescotti PMP
10:55 - 11:15	Coffee Break		
11:15 - 12:00	Training: lab tour	Aerosol generation / In vitro exposure systems, Cell Biology Lab Tour including High-Content Screening, Histology and Omics lab	Stefan Frentzel, Arkadiusz Kuczaj PMP
12:00 - 13:15	Lunch		
13:15 - 14:15	Hands-on Training		
	group A : Exposure group B : High Content Screening group C : Cilia Beating Frequency, Trans-Epithelial Electrical Resistance		
14:25 - 15:25	Hands-on Training		
	group A : Cilia Beating Frequency, Trans-Epithelial Electrical Resistance group B : Exposure group C : High Content Screening		
15:25 - 15:45	Coffee Break		
15:45 - 16:45	Hands-on Training		
	group A : High Content Screening group B : Cilia Beating Frequency, Trans-Epithelial Electrical Resistance group C : Exposure		
19:00	Social Dinner		

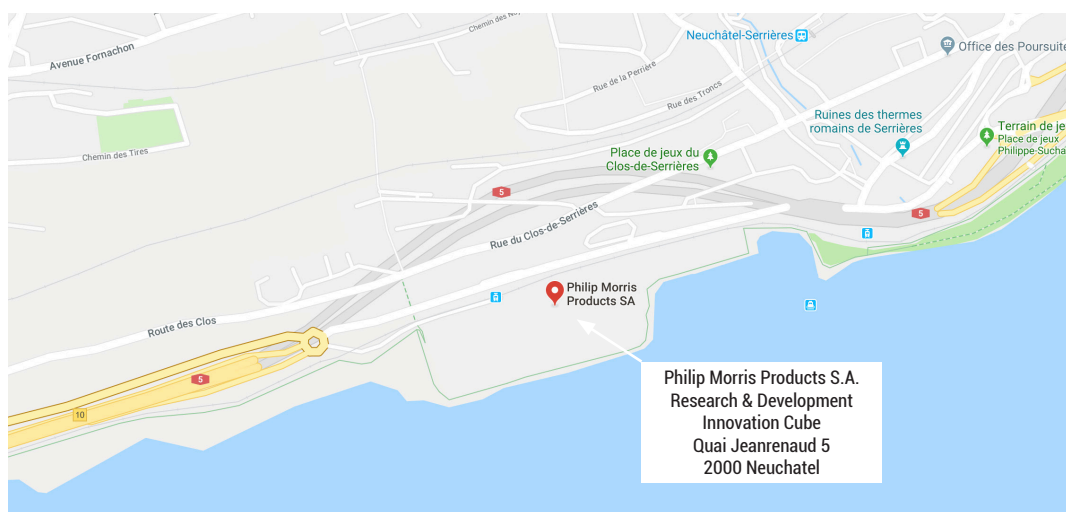
08:45 - 09:00	Welcome coffee
09:00 - 09:50	Hands-on Training Dosimetry group A : Scenario calculations for human exposure equivalence (in vitro – in vivo) group B : Calculation of deposition efficiencies for aerosols using whole-lung approach (MPPD) group C : Application of the Computational Fluid Dynamics to advance dosimetry calculation (AeroSolved)
09:50 - 10:40	Hands-on Training Dosimetry group A : Calculation of deposition efficiencies for aerosols using whole-lung approach (MPPD) group B : Application of the Computational Fluid Dynamics to advance dosimetry calculation (AeroSolved) group C : Scenario calculations for human exposure equivalence (in vitro – in vivo)
10:40 - 11:00	Coffee Break
11:00 - 11:50	Hands-on Training Dosimetry group A : Application of the Computational Fluid Dynamics to advance dosimetry calculation (AeroSolved) group B : Scenario calculations for human exposure equivalence (in vitro – in vivo) group C : Calculation of deposition efficiencies for aerosols using whole-lung approach (MPPD)
12:00 - 13:15	Lunch
13:15 - 13:45	Hands-on Training group A : High Content Screening staining group B : Histology group C : High Content Screening imaging
13:55 - 14:25	Hands-on Training group A : High Content Screening imaging group B : High Content Screening staining group C : Histology
14:25 - 14:45	Coffee Break
14:45 - 15:15	Hands-on Training group A : Histology group B : High Content Screening imaging group C : High Content Screening staining
15:30 - 16:00	Wrap-up and Handing out Certificates

PRACTICAL INFO

LOCATION:

Philip Morris Products S.A.
Research & Development Innovation Cube
Quai Jeanrenaud 5
2000 Neuchatel

The R&D Cube is a glass building situated right at the entrance to PMP S.A. premises.
The entrance to the reception is located from the lake side.



GOING TO NEUCHATEL:

If you come to Geneva/Zurich by plane

On your arrival at Geneva or Zurich Airport, follow the signs to the train station (it is located inside the airport).

Please buy a round ticket in the ticket machine, and specify your return date.

Direct trains to Neuchâtel leave about every 60 minutes. You can consult the timetable at <https://www.sbb.ch/en/home.html>.

Round 1st class ticket Geneva - Neuchâtel costs around CHF 150.-. The trip takes around 1h20min.

Round 1st class ticket Zurich - Neuchâtel costs around CHF 180.-. The trip takes around 2h20min.

If you come to Neuchâtel by train

From Neuchâtel train station, please take a taxi to Philip Morris R&D.

This will take around 10 minutes and will cost approximately CHF 30.-

If you come to Philip Morris R&D by car

There is a paid parking lot for visitors next to R&D Innovation Cube.

Note: this parking is public and usually complete.

ACCOMODATIONS:

If you need hotel accommodation, we recommend one of the following hotels.

Name	e-mail / www	Address / phone
Hotel Beau-Rivage	info@beau-rivage-hotel.ch www.beau-rivage-hotel.ch	Esplanade du Mont-Blanc 1 2001 Neuchâtel Ph: +41 32 723 15 15 Fax: +41 32 723 16 16
Hotel Beaulac	hotel@beaulac.ch www.beaulac.ch	Esplanade Léopold-Robert 2 2000 Neuchâtel Ph: +41 32 723 11 11 Fax: +41 32 725 60 35
Hotel Alpes et Lac	www.alpesetlac.ch info@alpesetlac.ch	Place de la Gare 2 2000 Neuchâtel Ph : +41 32 723 19 19

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