International
Marie Skłodowska-Curie Meeting:
From Radiation to Innovation in Medicine
and
RADIATE-ITN Student Meeting and Workshop

11-13 October 2018
Institut Curie, Paris, France

Organisers
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Preface

Welcome

On behalf of all RADIATE-ITN partners, it is a great pleasure to welcome you to the International Marie Skłodowska-Curie Meeting: from Radiation to Innovation in Medicine 2018; a MSCA Horizon 2020 RADIATE-ITN workshop, on radiation biology. This meeting in a “workshop” style aims to highlight the areas of research supported by the RADIATE consortium. We have brought together internationally recognized leaders in the field, to interact with all attendees and our students, to focus on current work in radiation biology.

Radiation therapy is a mainstay in cancer therapy, yet many patients still fail to fully benefit. The workshop is intended to aid the integration of radiobiology research and to “open doors” to essential research that has major implications for cancer therapy.

We are grateful to the Institut Curie for allowing the RADIATE-ITN to host our meeting in Orsay and Paris, and all those who have contributed to make it possible, particularly the Paris organisers Marie Dutreix, Sofia Ferreira, Maria Koźlak and Sandrine Bourgeois. We also thank all our invited speakers for agreeing to give us their time during the workshop in Orsay, for the benefit of the RADIATE students.

We hope you will enjoy this meeting!

Ruth Muschel
(Director of RADIATE-ITN)

Funding

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Schedule in Brief

Wednesday 10th October 2018

Arrival in Paris

Invited Speakers
(Hôtel Elysa Luxembourg, 6 Rue Gay-Lussac, 75005 Paris, France)

RADIATE members
(Hôtel Les Jardins du Luxembourg, 5 Impasse Royer-Collard, 75005 Paris, France)

19.00- open – RADIATE Dinner – Bouillon Racine, bouillonracine.com
3 Rue Racine, 75006 Paris, France

Thursday 11th October 2018

08.45-10.00 – Travel to Orsay from Paris – 15 Rue Georges Clemenceau,
Institut Curie - Centre Universitaire, Batiment 110 – 112, 91405 Orsay Ville
10.00-11.30 - ESR Pitching Session – All 14 RADIATE early stage researchers (ESRs) present a
5 min pitch about themselves and their projects
11.30-12.30 – 1st Meet the Expert session - A panel of 2 speakers per table will meet 3-4
RADIATE ESRs
12.30-13.30 – Lunch
13.30-14.30 – 2nd Meet the Expert session
14.30-15.00 – Coffee Break
15.00-16.00 – Full Panel Session - All the experts will meet up with all the ESRs
Session will be chaired by a RADIATE Partner
16.00-17.00 - Travel back to Paris from Orsay
17.00-18.30 – Tour of the Curie Museum for all members and guests
19.30- open – RADIATE Dinner - La Ferrandaise, laferrandaise.com
8 Rue de Vaugirard, 75006 Paris, France

Friday 12th October 2018

Programme

08:45-09:00  CONFERENCE WELCOME: Ruth Muschel – Director of RADIATE-ITN
Location: Institut Curie, Amphitheatre Constant Burg foyer, 12 Rue Lhomond,
75005 Paris, France

09:00-12:30  SESSION 1 - TUMOUR MICROENVIRONMENT
Chair: Verena Jendrossek, University of Duisburg Essen

09:00-09:25  Mark Dewhirst (Duke University, USA)
A critical examination of methods to image tumor hypoxia

09:25-09:50 Ester Hammond (University of Oxford, UK)
Exploiting hypoxia induced replication stress for therapeutic gain

09:50-10:15 Fei-Fei Liu (Princess Margaret Cancer Centre University Health Network, Canada)
Metabolic regulation of dermal fibroblasts governs skin extracellular matrix homeostasis

10:15-10:30 Wei-Chun Lee (Technische Universität Dresden, Germany)
β8 integrin determines radiochemoresistance pancreatic cancer cells by regulating autophagy and intracellular vesicle trafficking

10:30-10:45 Xiaohong Peng (University Medical Center Groningen, The Netherlands)
Identification, characterization and pharmacological elimination of irradiation-induced senescent cells in salivary gland organoids

10:45-11:10 COFFEE BREAK

11:10-12:30 SESSION 2 – IMMUNE RESPONSE
Chair: Ruth Muschel, University of Oxford

11:10-11:35 Andy Minn (University of Pennsylvania, USA)
Mechanisms of response and resistance to immune checkpoint blockade and radiation

11:35-12:00 Mark de Ridder (Vrije Universiteit Brussel, Belgium)
Treatment of Oligometastatic Colorectal Cancer: partnership between stereotactic body radiotherapy and immunotherapy

12:00-12:15 Jianzhou Chen (University of Oxford, UK)
Type I IFN protects cancer cells from ionizing radiation-induced CD8+ T cell-mediated cytotoxicity via upregulation of SERPINB9

12:15-12:30 Veronica Olivo Pimentel (University of Maastricht, The Netherlands)
Radiotherapy, immunocytokines and immune checkpoint inhibitors: finding the optimal combination

12:30-14:10 LUNCH AND POSTER SESSION
Location: Marquee on the patio outside Amphitheatre Constant Burg
14:10-15:15  SESSION 3 – DNA REPAIR
Chair: Geoff Higgins, University of Oxford
14:10-14:35  Thomas Helleday (University of Sheffield Medical School, UK)
Targeting DNA repair to improve radiotherapy
14:35-15:00  Marie Dutreix (Institut Curie, France)
Involvement of DNA repair pathways in metastasis and recurrence after radiotherapy
15:00-15:15  Sofia Ferreira (Institut Curie, France)
AsiDNA, a novel DNA repair inhibitor, to radiosensitize aggressive medulloblastoma subtypes

15:15-15:45  COFFEE BREAK

15:45-17:15  SESSION 4 – INNOVATIVE THERAPIES
Chair: Fei-Fei Liu, Princess Margaret Cancer Centre University Health Network
15:45-16:10  Silvia Formenti (Weill Cornell Medical College, USA)
DNA Damage Response and Immune Rejection of Cancer
16:10-16:35  Rob Coppes (Groningen University Medical Center, The Netherlands)
Stem cell therapy to regenerate radiation damaged glandular tissue
16:35-17:00  Vincent Potiron (Université de Nantes, France)
Tumor vasculature remodeling by radiation therapy increases doxorubicin distribution and efficacy
17:00-17:15  Linda Silina (Institut Curie, France)
Improving radiation treatment in bladder cancer
17:15-17:45  CLOSING REMARKS AND AWARD PRESENTATION: Ruth Muschel
END OF THE MEETING

18.30-20.30  Evening Social Event – Cocktail dinner and Boat Trip
Information for Participants:
The cruise company is BateauMonParis (https://bateaumonparis.com/ )
Saturday 13th October 2018

09.00-10.00  RADIATE-ITN Supervisory Board Meeting
In Parallel

09.00-10.00  ESRs, all non-board members and remaining speakers – sightseeing tour of Latin Quarter.

10.00-11.00  Travel to Montmartre

11.00-12.30  Sightseeing/walking tour of Montmartre

12.30-14.00  Lunch - café lunch for all RADIATE members and informal group discussion on the meeting

14.00  Close of Meeting
General Information

Accommodation
Hôtel Elysa Luxembourg, 6 Rue Gay-Lussac, 75005 Paris, France
Hôtel Les Jardins du Luxembourg, 5 Impasse Royer-Collard, 75005 Paris, France

Travel

Airport

Nearest airport is Orly

From Orly to the hotels there are two options:

- OrlyVal (fastest)
- OrlyBus (cheapest)

OrlyBus

Orly Airport (via OrlyBus) to Denfert-Rochereau station (via RER B) to Luxembourg station (Near the hotels)

Travel Time (from Orly to Luxembourg station): 25-30 minutes. The buses operate every 8-15 minutes.

Opening hours: Daily, from 05:35 am to 12:00 pm.

Fare: €10.20 (RER+OrlyBus). Special fare for OrlyBus: €8.30.

OrlyVal

Orly Airport (via OrlyVal) to Antony station (via RER B) to Luxembourg station.
OrlyVal - Shuttle bus, every 4-7 min that takes 6 min to Antony. Take the RER B from Antony to Luxembourg Station

Opening hours: Daily, from 06:00 am to 11:35 pm.

Fare: €10.10 (RER B+OrlyVal). Special fare for OrlyBus: €9.30.

Taxis

Taxi: €55-65

Uber: €35-45

Main Train Station

Nearest international train station is Paris Gare du Nord

From Paris Gare du Nord to Luxembourg Station:
RER B train line, 3 stations
Fare: €1.90 (Zone1)
Travel - Paris to Orsay

All RADIATE-ITN members will receive an envelope in their hotel rooms with 2 tickets for their travel to Orsay.

All RADIATE members and Keynote speakers to meet at the front of Hôtel Elysia Luxembourg, 6 Rue Gay-Lussac, 75005 Paris, France, 08:45 to travel to Orsay.

RER B from Luxembourg Station towards the Gare de St Remy Le Chevreuse – trains leave every +/- 10 min (STRIKE PERMITTING)!!

8:38 AM  Les Jardins du Luxembourg
5 Impasse Royer-Collard, 75005 Paris, France

Walk
About 4 min, 260 m

8:42 AM  Luxembourg

RER B GARE DE ST REMY LES CHEVREUSE Gare de Saint-Rémy-Lès-Chevreuse
32 min (12 stops)

9:14 AM  Orsay-Ville

9:14 AM  Orsay-Ville
91400 Orsay, France
Orsay-Ville to Institut Curie, Orsay

1. Orsay Ville Train Station – Leave the station and turn left towards the tunnel. Walk to Rue Georges Clemenceau and proceed downhill.

2. Proceed straight at the white fence to a mirrored building the Centre de Protonthérapie.

3. Walk around the Centre de Protonthérapie and then turn right towards Rue Henri Becquerel.

4. Congratulations, you have made it to the Institut Curie (from building 110 to 112 – entrances only on the 110).
Route to Restaurants

Directions from accommodation to Restaurants on Wednesday 10 October and Thursday 11 October.

Les Jardins du Luxembourg to Bouillon Racine (Wednesday)

Les Jardins du Luxembourg to La Ferrandaise (Thursday)
Evening Social Event – Cocktail dinner and Boat Trip, Friday 12 October 2018

Information for Participants who have signed up for the evening social event:

The cruise company is BateauMonParis (https://bateaumonparis.com/)

We are expected at the Quai Musée d’Orsay, Paris, 75007 France, at 20:00, 12 October 2018.

The meeting point is the Wharf in front of Musee d’Orsay.

A more detailed map of the embarking point for the boat is shown on the next page.

Travel to Musée d’Orsay

RADIATE members and Speakers Meeting point:

**Luxembourg RER B train station**, 69 Boulevard Saint-Michael - between the "Frozen yogurt shop" and "Jazz Club"!

Meeting time: **19:10** – this will allow us to arrive 20min early.

RER B Luxembourg to Saint-Michel - Notre-Dame and RER C to Gare Musée d’Orsay 75007 Paris, France. Then an 8 min walk to the boat.
Escales de Solférino - Musée d'Orsay
Plan d'accès

Accès :
• **Metro**: Assemblée Nationale ou Solférino (ligne 12)
• **RER**: Musée d'Orsay (RER C)
• **Bus**:
  - n°34, 68, 73 Musée d'Orsay
  - n°94 Solférino
  - n°72 Pont de Solférino

**Embarquement pour Bateaux**