

# Introductory Programme & Transferable Skills Course I

April 23<sup>rd</sup> – 27<sup>th</sup> 2018

Royal College of Surgeons in Ireland  
Dublin, Ireland



**RCSI**

*This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 766124.*



## Programme Overview

		<i>Scientific skills</i>		<i>Transferable Skills</i>		
		<i>Day 1 :23/04</i>	<i>Day 2: 24/04</i>	<i>Day 3: 25/04</i>	<i>Day 4: 26/04</i>	<i>Day 5: 27/04</i>
Morning		<i>Arrival &amp; registration</i>	<i>Arrival &amp; registration</i>		<b>Open science</b>	<b>Business development</b>
				<b>Project Management Basics</b>	<b>(joint)</b>	<b>(PurinesDX)</b>
Afternoon		<b>Introductory programme (joint introduction)</b>	<b>Symposium (PurinesDX)</b>	<b>(Joint ITNs)</b>	<b>Grant writing (PurinesDX)</b>	
						<b>Departure</b>
Evening		<i>Network Dinner</i>	<i>Team building event</i>			

## Day 1 – Introductory Course PurinesDX & GLIOTRAIN

Venue: *Cheyne LT (123 SSG)*

10:00 – 10:30		Arrival & Registration
10:30 – 10:45	Welcome, Programme overview	Tobias Engel Annette Byrne
11:00 – 11:30	<p><b>Project 1</b> – Identification of the cell-specific contribution of the P2X7 receptor to seizure-induced pathology and epilepsy development</p> <p><b>Project 2</b> – P2X7 receptor signalling during seizures and identification of seizure-specific P2X7R signature in blood</p>	Tobias Engel (RCSI)
11:30 – 12:00	<p><b>Project 3</b> – Identification of novel disease-specific P2X7R down-stream targets in schizophrenia and epilepsy</p>	Annette Nicke (LMU)
12:00 – 12:30	<p><b>Project 4</b> – Targeting of the purinergic P2X7 receptor to treat Alzheimer’s disease</p> <p><b>Project 5</b> – Blood purines as novel diagnostic for pre-clinical Alzheimer’s disease and identification of P2X7R-dependent down-stream targets in Alzheimer’s disease</p>	Miguel Diaz (UCM)
12:30 – 13:00	<p><b>Project 6</b> – P2X7R signalling in the brain during schizophrenia and blood purine changes as novel diagnostics and prognostics for schizophrenia</p> <p><b>Project 7</b> – Pathological contribution of the ATP-gated purinergic P2X7 receptor to the pathogenesis of schizophrenia</p>	Beata Sperlagh (IEM HAS)
13:00 – 14:00		<i>Lunch &amp; Network: ITNs merge</i>
14:00 – 14:30	<p><b>Project 8</b> – The P2X7 receptor as drug target in depression and blood purines as novel diagnostic and prognostics in depression</p>	Jan Deussing (MPG)

14:30 – 15:00	<b>Project 9</b> – The purinergic P2X7 receptor in diagnosis, prognosis and treatment in Huntington’s disease	Jose Lucas (CIBERNED)
15:00 – 15:30	<b>Project 10</b> – Analysis of P2X7 receptor function and effects of P2X7R antagonism on neuronal differentiation and connectivity in neuronal networks generated from Alzheimer’s disease patient derived pluripotent stem cells	Andras Dinnyes (BIOT)
15:30 – 16:00	<b>Project 11</b> – Development of a novel <i>in vivo</i> biosensor for neuroscience applications <b>Project 12</b> – Biosensor approaches to the study of purinergic signalling during acute and chronic brain diseases	Nicholas Dale Bruno Frenguelli
16:00 – 16:30	<b>Project 13</b> – The ATP-gated P2X7 receptor as novel treatment target in amyotrophic lateral sclerosis <b>Project 14</b> – Development of a novel blood brain barrier and brain stable P2X7R antagonist	Antonio Garcia
16:30 – 17:00	<b>Final Discussion</b>	
From 18:30 <b>Dinner</b>		

## Day 2 – Brain Diseases: New Approaches on Diagnostics and Therapeutics

Venue: *Cheyne LT (123 SSG)*

<b>9:20 – 9:50</b>	<b>Arrival &amp; Registration</b>	
<b>9:50 – 10:00</b>	Opening remarks	Tobias Engel (RCSI)
<b>10:00 – 10:45</b>	<i>The Vallecas Project for early detection of cognitive impairment and Dementia</i>	Miguel Medina CIEN
<b>10:45 – 11:30</b>	<i>RNA-binding proteins in neurological disease</i>	Jose Lucas (CIBERNED)
<b>11:30 – 12:15</b>	The P2X7 receptor and its association with mood disorders	Jan Deussing Max Planck Inst. Psychiatry
<b>12:15 – 13:30</b>	<b>Lunch &amp; Network</b>	
<b>13:30 – 14:15</b>	<i>DNA tests as key to modern medicine</i>	Benjamin Seibt Dr Seibt Genomics
<b>14:15 – 15:00</b>	<i>Clinical evaluation of a brain-penetrant P2X7 antagonists: translating preclinical data into clinical effect</i>	Peter de Boer Janssen Pharmaceutica
<b>15:00 – 15:30</b>	<b>Coffee break</b>	
<b>15:30 – 16:30</b>	<i>P2X7 receptors at adult neural progenitor cells: experimental basis and possible therapeutic significance</i>	Peter Illes University of Leipzig
<b>16:30</b>	<b>Closing remarks</b>	
<i>tbc</i>	<b>Social event</b>	

**Day 3 – Transferable Skills Course I – Project Management**

**Venue: TR424+425 (No 26 York Street)**

<b>9:00 – 9:30</b>	<b>Arrival &amp; Registration</b>	
<b>9:30 – 10:30</b>	<i>Managing yourself</i>	Margaret Collins
<b>10:30 – 11:00</b>	<i>Coffee break</i>	
<b>11:00 – 12:30</b>	<i>Managing the project (I)</i>	Margaret Collins
<b>12:30 – 13:30</b>	<i>Lunch break</i>	
<b>13:30 – 14:30</b>	<i>Managing the project (II)</i>	Margaret Collins
<b>14:30 – 15:00</b>	<i>Coffee break</i>	
<b>15:00 – 16:30</b>	<i>Influencing other people</i>	Margaret Collins

## Day 4 – Transferable Skills Course I

Venue: *Cheyne LT (123 SSG)*

9:00 – 9:30		Arrival & Registration	
9:30 – 11:00	Open Science (joint)	Grainne McCabe & Andrew Simpson	
11:00 – 11:20		<i>Coffee break</i>	
11:20-12:20	Grant writing (I)	Tobias Engel & Gianpiero Cavalleri	
12:20 – 13:20	Grant writing (II)	Niamh O’Dowd & Claire Muckian	
13:20 – 14:00		<i>Lunch break</i>	
14:00 – 15:00	Grant writing (III)	Niamh O’Dowd & Claire Muckian	
15:00 – 15:20		<i>Coffee break</i>	
15:20 – 16:20	Grant writing (IV)	Niamh O’Dowd & Claire Muckian	
16:20 – 17:00	<i>Set up of “Grant writing” and “Business development” groups (PurinesDX)</i>	Tobias Engel John Ryan	

**Day 5 – Transferable Skills Course I**

**Venue: TR423 (No 26 York Street)**

<b>9:00 – 9:30</b>	<b>Arrival &amp; Registration</b>	
<b>9:30 – 11:00</b>	Business development (I)	Mary Cronin
<b>11:00 – 11:30</b>	<i>Coffee break</i>	
<b>11:30 - 13:30</b>	Business development (II)	Mary Cronin
<b>13:30 – 14:30</b>	<i>Lunch &amp; departure</i>	

**Grant Writing groups:**

**Mentors:** Annette Nicke

Tobias Engel

**Topics/Funders:** *tbc*

**Business development groups:**

**Mentors:** John Ryan

Benjamin Seibt

**Focus:** *tbc*



### Directions to RCSI:

RCSI is located at the very heart of Dublin, Ireland's vibrant capital city. An early 19th century building on beautiful St Stephen's Green in Dublin's city centre is the focus point of the Campus.

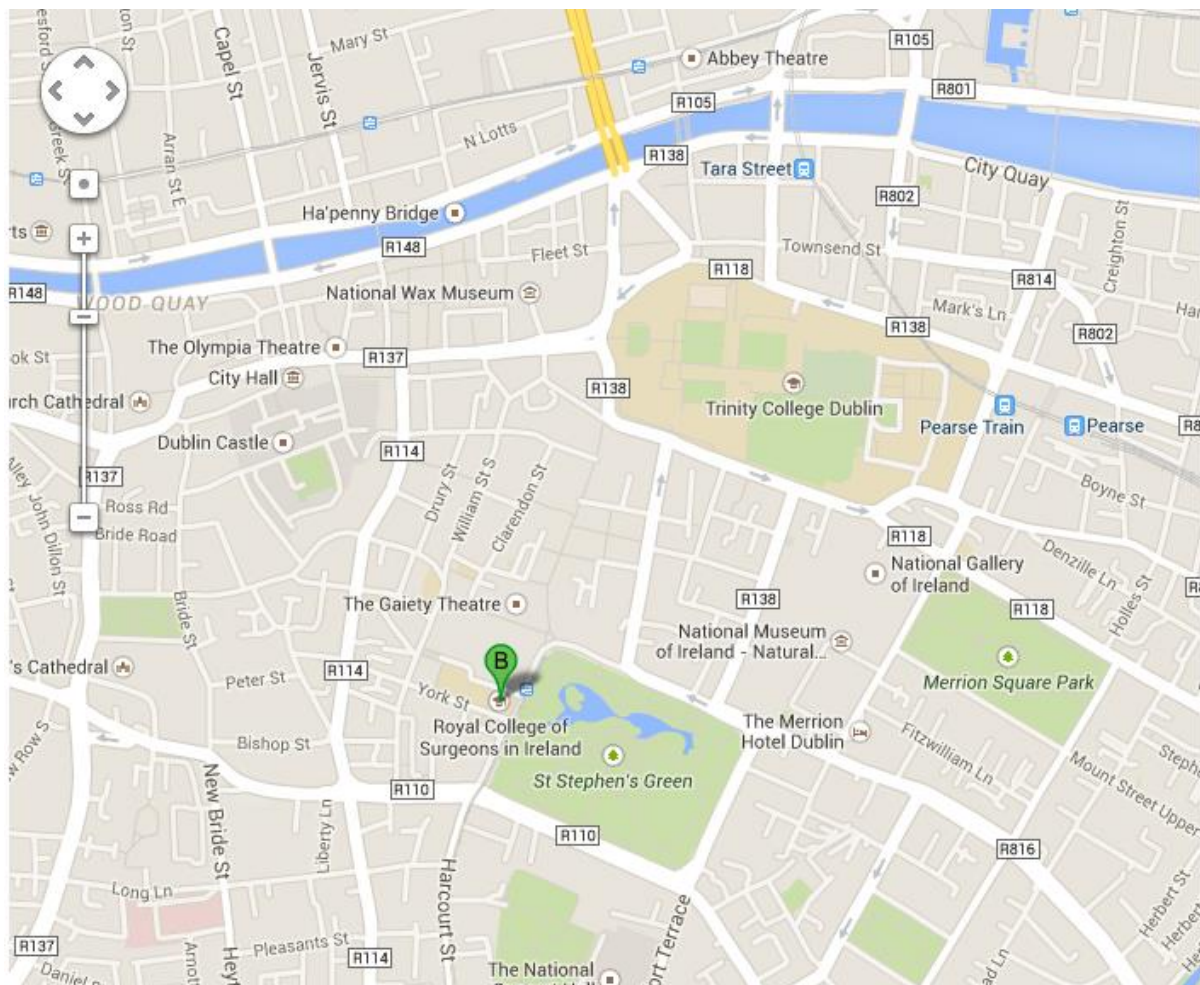
Behind the buildings' elegant historical facade are modern lecture theatres, seminar rooms, laboratories and the administrative services of the College.

A convenient way to reach the College and many Hotels from Dublin Airport is to take the AIRCOACH bus shuttle. The stop closest to RCSI is "Grafton Street", which is in 5-10 min walking distance. See the website for convenient stops close to your accommodation ([www.aircoach.ie](http://www.aircoach.ie)). Taxi fares from the airport would be between €25-30.

Alternatively, you can take Dublin Bus (Route 747 until "College Green", 10 min walking distance)

Another useful site to plan your journey from Dublin Airport: <http://hittheroad.ie>

For more details on directions to the College: [http://www.rcsi.ie/location\\_maincampus](http://www.rcsi.ie/location_maincampus)





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PHARMACEUTICAL COMPANIES  
of Johnson & Johnson



Dr. Seibt  
GENOMICS



Fundación Centro de Investigación  
Enfermedades Neurológicas



Hospital Universitario  
Ramón y Cajal  
Comunidad de Madrid



SZENT ISTVÁN  
UNIVERSITY

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