

# The Public Private Partnership PhD Framework and the 2016 Workshop

**EMTRAIN General Assembly** Fourth Full Consortium Meeting

Pamhagen, Austria, May 12th 2016



#### Anita Aperia & Lena Scott



Driving the IMI Education and Training Vision in Europe

MEDIZINISCHE UNIVERSITAT WIEN

efpia



Deliverable	Due
D6.1 - Inventory of existing PhD education modules, inventory of needs and gap analysis	M12 M24 M36
D6.2 - Establishing common standards for existing programmes	M12 M24
D6.3 - Recommending course formats for drug development	M24 M36
D6.4 - Identifying incentives to facilitate mobility within and across countries	M1 M18
D6.5 - Promoting mobility of PhD students throughout Europe and between academia and the industry	M24 M48 M60
D6.6 - Establishment of an IMI public private partnership PhD-program Workshop	M36 M48 M60
D6.7 - Establishment of a joint PhD Programme framework and recommending course modules and curriculum for generating industry-aware IMI PhD scientists.	M36 M60
D6.8 - Support of the establishment of an IMI PhD program Alumni Network.	M48 M60 M72
D6.9 - Final work package report	M84

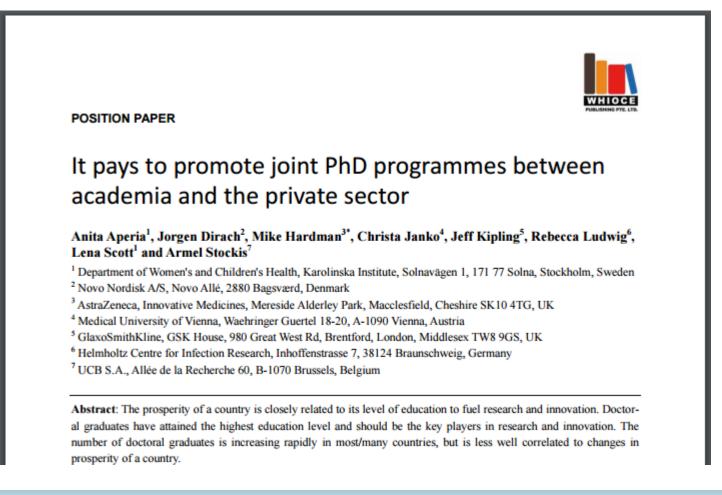


Deliverable	Done
D6.1 - Inventory of existing PhD education modules, inventory of needs and gap analysis	M12 M24 M36
D6.2 - Establishing common standards for existing programmes	M12 M24 (w D6.1)
D6.3 - Recommending course formats for drug development	M24 (w D6.1) M36 (w D6.7)
D6.4 - Identifying incentives to facilitate mobility within and across countries	M1 M18 M12
D6.5 - Promoting mobility of PhD students throughout Europe and between academia and the industry	M24 (w D6.1) M48 M60
D6.6 - Establishment of an IMI public private partnership PhD-program Workshop	M36 M48 M60 Additional delivery M72 Additional delivery M84?
D6.7 - Establishment of a joint PhD Programme framework and recommending course modules and curriculum for generating industry-aware IMI PhD scientists.	M36 (w D6.3) M60 delayed to M72 M72
D6.8 - Support of the establishment of an IMI PhD program Alumni Network.	M48 M60 M72
D6.9 - Final work package report	M84



### The EMTRAIN Joint PPP PhD Framework

### Accepted publication in Journal of Medicines Development Sciences



















### Workshop objective:

To create a forum for PPP PhD-students where they meet, share experience and connect as a step of growing into their role as industry-aware scientist.

To create a network of PPP PhD students.

To enlightening the connection between industry and academia.

To increase drug industry awareness in PhD students.





### **2012** – Alderly Edge – UK

**Theme:** Importance of multidisciplinary research for drug discovery and development

The drug discovery game Academia and the Pharmaceutical industry, Jan Lundberg Multidisciplinary research, meet the partners



### 2013 – Stevenage – UK



AstraZeneca

**Theme:** Future directions in the field of drug discovery: interaction with academia, SME, and activities in emerging countries

"The industry's role in tacking health problems in the developing world"

"Entreprenurship in action, new developments in the biopharma ecosystem"





### 2014 – Braine-l'Alleud – Belgium



**Theme:** New Horizons for Drug Development. The role of discovery in the field of drug development: In house examples

"A discovery story, sclerostin, from gene to osteoporosis drug" "Regererative medicine, from bench to clinical application"



**2015** – Beerse – Belgium



Theme: Translational medicine

"How to create a medicine from a natural hormone with a  $T\frac{1}{2}$  of 2 minutes?"

"Panel Discussion, Ebola – Challenges and Possibilities"



Host: Matthias Gottwald Bayer, Berlin, Germany



**Theme:** "Innovative approaches to address unmet needs in common and rare diseases"

### **Examples Lectures**

Guanylat-Cyclase Modulators – novel approaches to treat pulmonary hypertension

Cancer Immunology: Harnessing the immune system to treat cancer

Clinical trials and rare diseases

Diabetes and complications

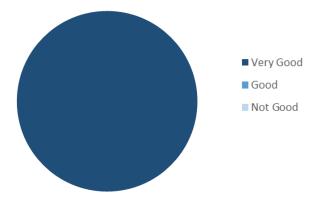
The most useful lecture chosen by the students :

Planning for successful publications, by Elizabeth Wager

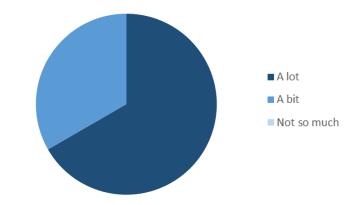


### Results from the Feedback survey, 2016

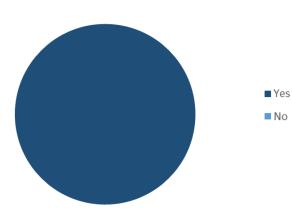
# What is your overall opinion of the EMTRAIN PhD workshop?



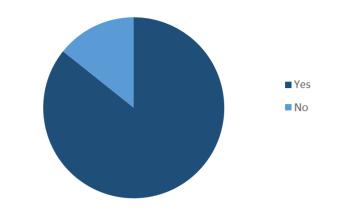
## How has your awareness of drug industry increased during the workshop?



Would you recommend the workshop to others?



Would you be interested to participate in a future EMTRAIN PPP PhD Workshop?



So far 22 of 28 students have answered the survey



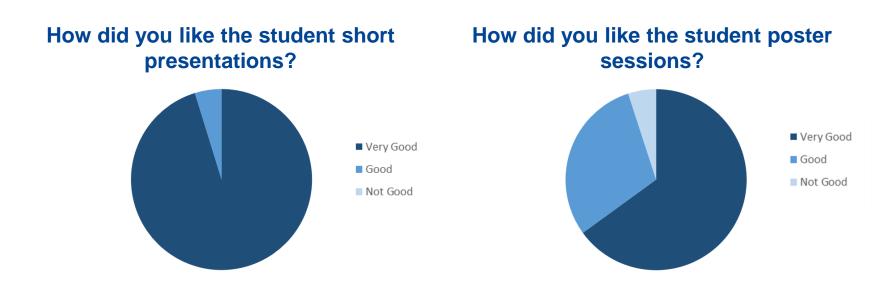
### **Results from the Feedback survey, 2016**

#### Student presentations – Active participation in the program



2012 – 2015; 10 minutes presentations followed by 5 minutes discussion of their research project.
 97% said that they liked/liked very much the student presentations

**2016**; 3 minutes elevator speeches followed by poster session, including poster tours in groups lead by senior faculty.





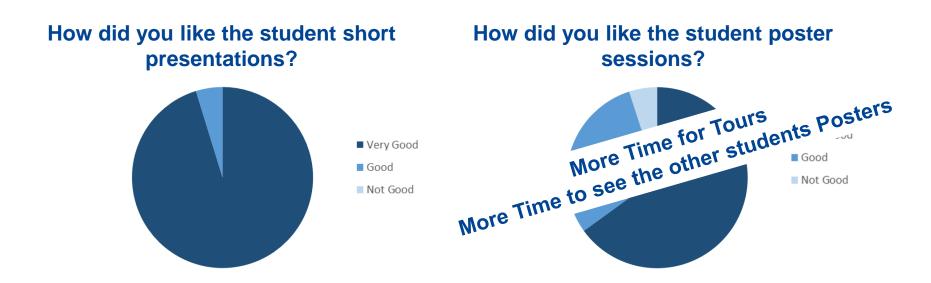
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#### What was the highlights for you at the workshop?

"Insight into a pharmaceutical company"

"Drug discovery game"

"Elevator speeches and poster sessions"

"The overview of the latest fields of research in pharma"

"The sightseeing and the dinner"

"Lab visit at Bayer"

"Inspirational speakers"

"Friendly and caring atmosphere"
"Advices and tips for posters and presentation"
"Very nicely hosted, great networking event"
"Chance to discuss my research informally"
"Networking with other students"

15 of 22 mentioned Networking 13 of 22 mentioned the drug discovery game 12 of 22 mentioned the student presentations (elevator and/or poster)



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*"Friendly and caring atmosphere" "Advices and tips for posters and presentation" "Very nicely hosted, great networking event" "Chance to discuss my research informally" "Networking with other students"*

"Klaus Rose talk (do not agree with him but it was quite an intense presentation)"

"The possibility to talk to Frank Misselwitz from Bayer at dinner"

"Hugging Simon Day at goodbye on Wednesday"

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**EMTRAIN PhD Workshop European tour** 2012, Astra Zeneca, Manchester, UK 2013, GlaxoSmithKline, Stevenage, UK 2014, UCB, Braine-l'Allud, Belgium 2015, Janssen, Beerse, Belgium 2016, Bayer, Berlin, Germany AstraZeneca Janssen



# **Summary of 5 workshops**

What have we learned?

What was good? What was not so good? What was difficult?



# Workshop outline

• 4 days (start at lunch end at lunch)



- 26-28 PhD students and postdocs
- 2 "senior" EMTRAIN students / network facilitators
- Speakers from industry (host and others) and academia
- Program that encourage active participation
- Student presentations



### The workshop topics have been selected to;

- enlighten the connection between academia industry
- provide future perspectives on drug discovery
- encourage interactive participation
- promote networking
- \* Allow the host to show what they are good at and what they can offer.
- \* Not only "in house" speakers.





### **Recurrent topics:**

The drug discovery game: 2012-2016



IMI, H2020: 2012-2016 (Magda Chlebus\*2)

Funding: 2014, 2016

IP: 2012, 2014, 2016

Ethics: 2013, 2014, 2015

Clinical trials: 2012, 2013, 2016

SMI and entrepreneurship: 2013, 2016



**!!** Different aspects of industry academia interaction 2012-2016





### **Encourage interactive participation:**

- The drug discovery game: 2012-2016
- Networking session (by Sr students): 2013-2016
- Student presentations: 2012-2016
- Lab tour: 2013-2016
- Break out sessions: Multidisciplinary research 2012, Ethics 2014
- Panel discussion: Ebola 2015, Pediatric clinical trials 2016





### Planning and Logistics:

Collection of applications, online 2016

Call for applications, industry connections 🛛 👗 👄



Plan with a generous time line 🧠

Transport to and from venue 🐰 😁

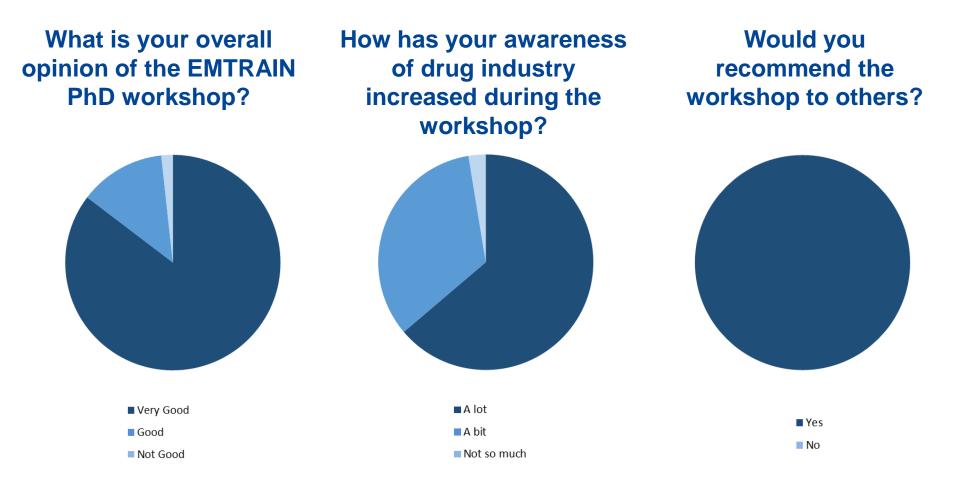
Plan for extra breaks

Encourage chairs to keep strict time, inform speakers about time

Food, collect allergies and add extra to the estimated amount



### Summary of the 2012 - 2016 workshops



119 of 135 participants answered the survey



### Why have the workshops been so successful?

High Professionalism from Industry partners

High Professionalism from Academic partners





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