



**Medicinal Chemistry**  
University of Antwerp

Carlos Moreno-Cinos  
Supervisor: Prof. Koen Augustyns

**UAMC**



European  
Commission

Horizon 2020  
European Union funding  
for Research & Innovation

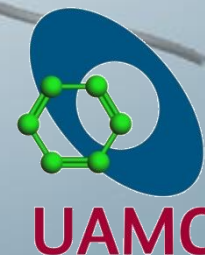
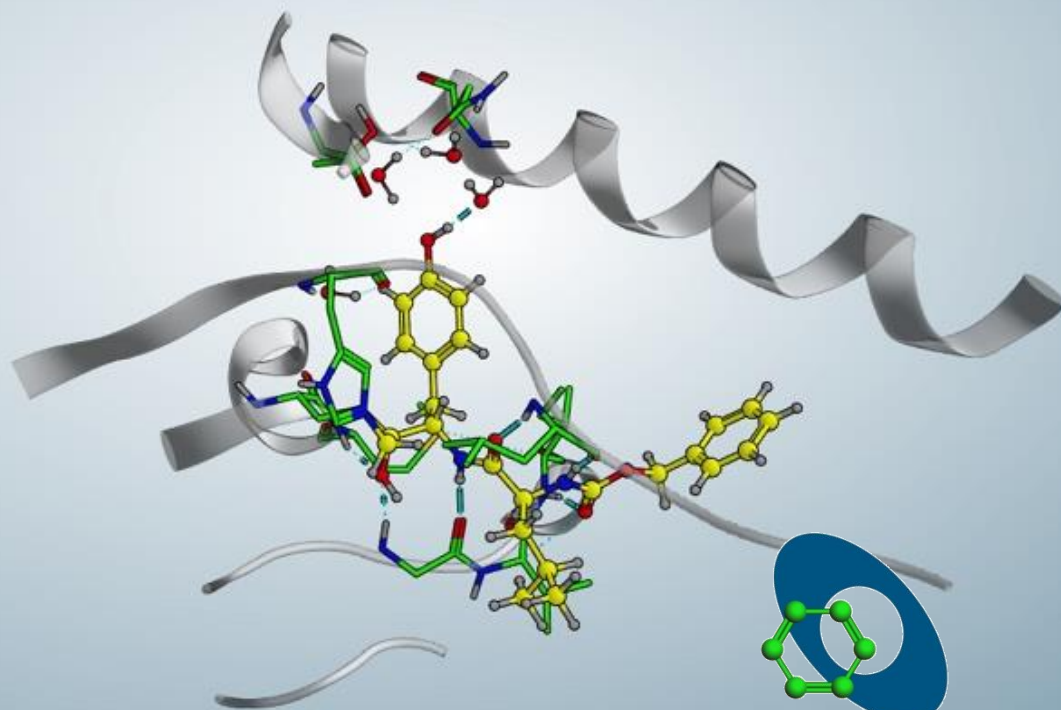


# ETN Integrate Early Retrospective

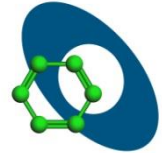
Carlos Moreno-Cinos

24/05/2018

IT-DED<sup>3</sup> Recruitment Event



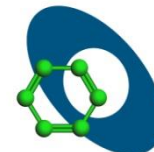
# Outline



- Professional Background
- ETN Integrate
- Overall
  
- Questions



# Professional Background



## Universitat de València

Licentiate degree, Chemistry, 8.95 (out of 10) and 3.01 (out of 4)

2009 – 2014

Extraordinary Award of Degree



## Imperial College London

Final Project, Organic Chemistry

2013 – 2014

**DIRECTED AZIRIDINE RING-OPENING REACTIONS:**

Highly Selective Approach to Morphine Synthesis

Supervisor: Pr. Donald Craig



## Citius Fellowship

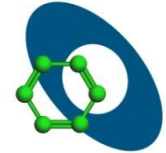
Janssen, Pharmaceutical Companies of Johnson and Johnson

September 2014 – September 2015 (1 year 1 month) | Toledo

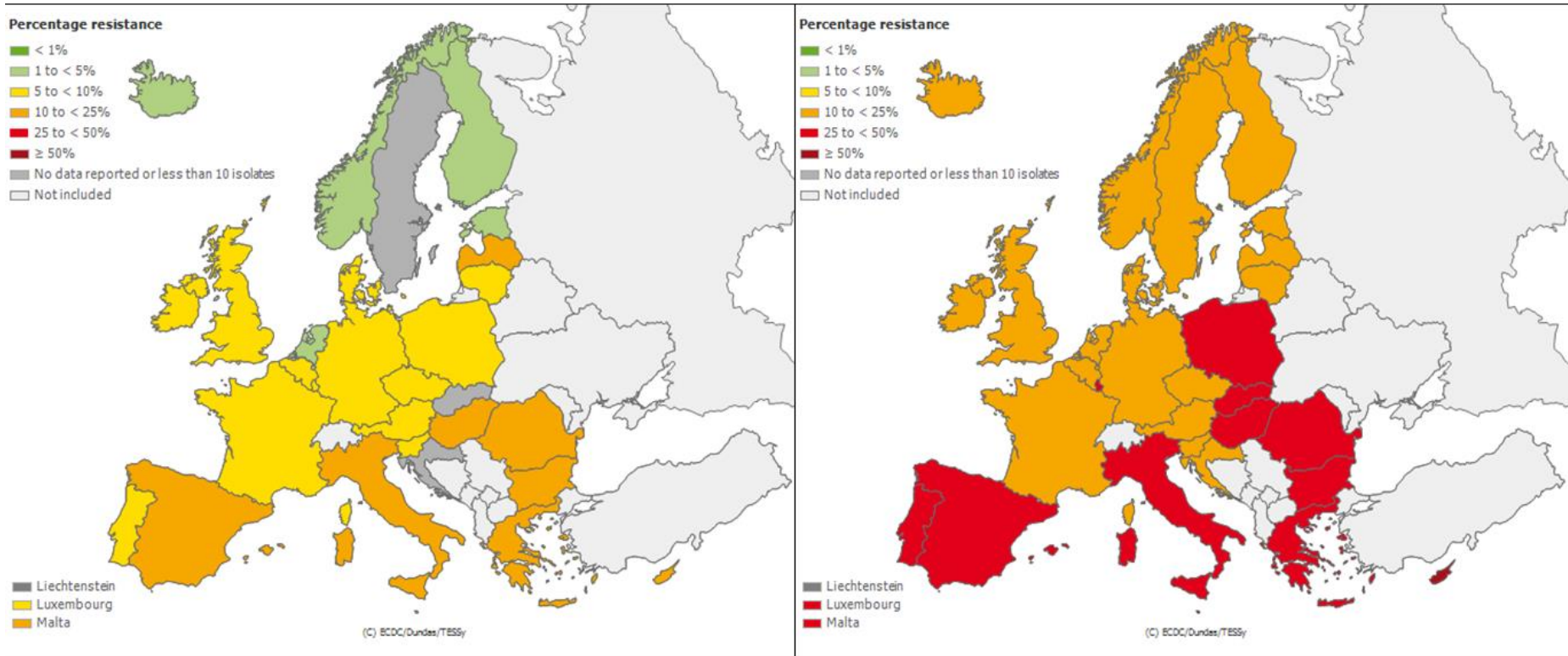
Researcher in the Neuroscience Medicinal Chemistry Section



# ETN Integrate - Aim



## *Escherichia coli* resistant to cephalosporins across Europe



2009

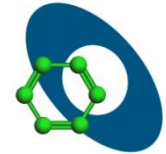
2013



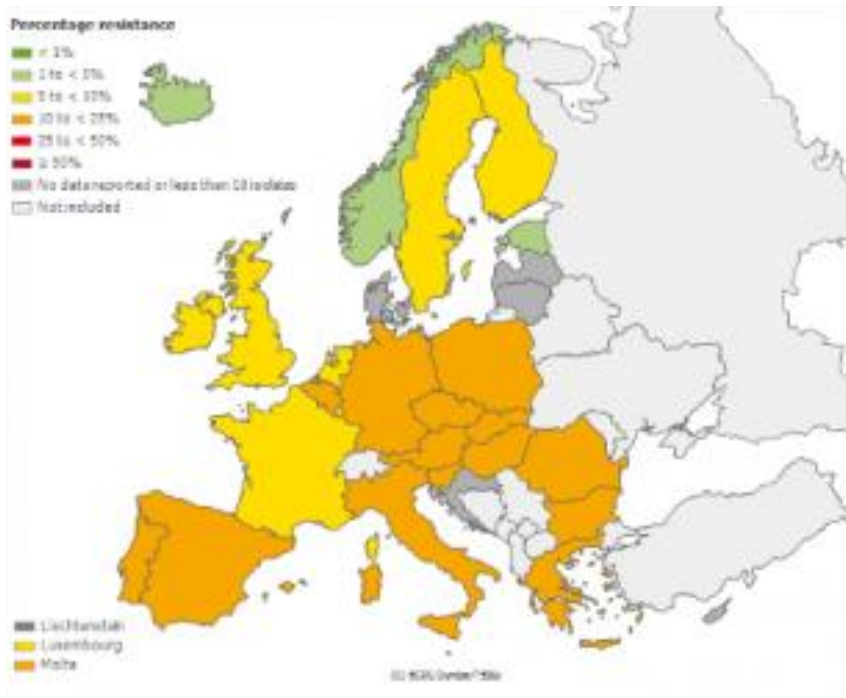
European Centre for Disease Prevention and Control: Antimicrobial resistance surveillance in European Annual reports.

Confidential

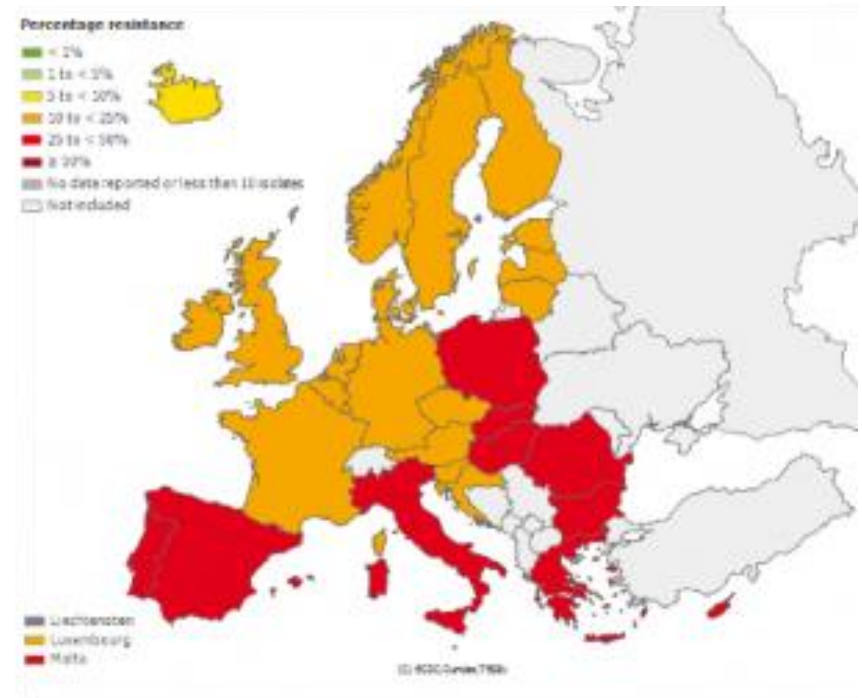
# ETN Integrate - Aim



## *Escherichia coli* resistant to fluoroquinolones across Europe



2002



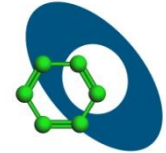
2012



European Centre for Disease Prevention and Control: Antimicrobial resistance surveillance in European Annual reports.

Confidential

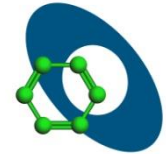
# ETN Integrate - Partners



- **6 Universities**  
Antwerp (Belgium)  
Cambridge (UK)  
Helsinki (Finland)  
Eastern Finland  
Ljubljana (Slovenia)  
Parma (Italy)
- **2 Research Institutes**  
Fraunhofer IME (Germany)  
LIOS (Latvia)
- **2 Private Companies**  
Evotec (Italy)  
Taros (Germany)
- **7 Countries**

Confidential

# ETN Integrate - ESRs

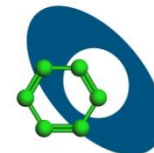


- **11 Students**
  - 3 Italians
  - 2 Spanish
  - 1 Portuguese
  - 1 Greek
  - 1 Czech
  - 1 Slovenian
  - 1 Indian
  - 1 American
- **3 Research Backgrounds**
  - Organic Chemistry
  - Biology
  - Bioinformatics
- **5 Targets**
  - ClpP Protease
  - Sulfur Assimilation
  - Glyoxilate Shunt
  - LsrK
  - GyrB

Confidential



# Overall - Training



- **Secondments:**
  - Fraunhofer IME (May-July 2016)
  - University of Eastern Finland (August-November 2016)
- **Congresses**
  - Sigma-Aldrich Symposium – Blankenberghe, Belgium (December 2015)
  - MedChem 2016 – Mont-Saint-Guibert, Belgium (November 2016)
  - EFMC-ASMC+YMCS – Vienna, Austria (August 2017)
  - ChemCYS – Blankenberghe, Belgium (February 2018)
- **Workshops + Summer Schools**
  - ETN Integrate Workshop – Cambridge (March 2016)
  - ETN Integrate Summer School – Helsinki (June 2016)
  - ETN Integrate Workshop – Riga (February 2017)
  - ETN Integrate Summer School – Cambridge (September 2017)
  - ETN Integrate Workshop – Ljubljana (March 2018)

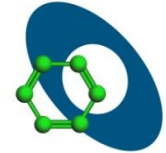


# Overall - Advantages



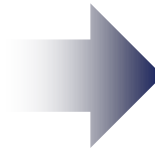
- **Interdisciplinary**
  - Solid and wide background in the Drug Discovery field
- **Different nature of institutions:**
  - Experience in academia and industry
- **High value for transferable skills:**
  - Focus on dissemination
  - Collaboration based
  - “Training Network”: Workshops and Summer Schools
- **Mobility**
- **Networking opportunities**
- **Remuneration & Prestige**

# Overall - Beware



- **Highly collaborative**

- Different languages
- Different priorities
- Timings/Deadlines
- Authorship



-Talk soon & talk often

- **Mobility**

- 3-10 months of secondments



-Flexibility as a philosophy of life

- **Remuneration**

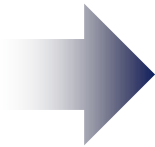
- Different taxations



-Find out your neto before your rent

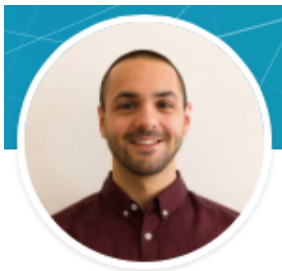
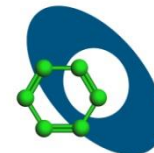
- **Host institution regulations**

- Minimum of publications
- Doctoral programme for companies



-Better safe than sorry

# Not the end



**Andrea Scarpino**

Marie Sklodowska-Curie ESR  
RCNS of Budapest (Hungary)



**Dario Valenti**

Marie Sklodowska-Curie ESR  
Taros Chemicals, Dortmund (Germany)



**Eduardo Ruivo**

PhD Student  
UAntwerpen (Belgium)



**Joanna Pawlikowska**

Analyst  
Merck Ventures, Basel (Switzerland)



**Rafel Simó Vicens**

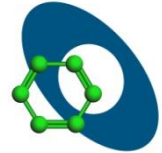
Marie Sklodowska-Curie ESR  
Acesion Pharma, Copenhagen (Denmark)



**Diogo Silva**

PhD Student  
University of Southampton (UK)

# Questions



**Thank you all for your attention!**

- **Contact:**

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