Programme Recruitment Event IT-DED³

Juliana Aizawa Porto de Abreu

ESR Fellow – PRINT AID project

Antwerp, May 24th 2018

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European Training Network

European Union's Horizon 2020 Research and Innovation Programme, Marie Sklodowska-Curie Grant Agreement No 722467

Background

- Bachelor's in Veterinary Medicine
- Scientific Initiation

Laboratory of Bacterial Resistance and Therapeutic Alternatives

- Residency in Preventive Medicine

Animal experiments

- Masters in Experimental Epidemiology

Chronic disease - Treatment challenges

Universidade de São Paulo

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Currently

- PhD in Pharmaceutical Sciences – Antwerp University

start date: October 1st 2017

University of Antwerp

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03/02/2017

Marie Curie Actions

9 PhD student positions for PRINT-AID H2020 MSCA ETN

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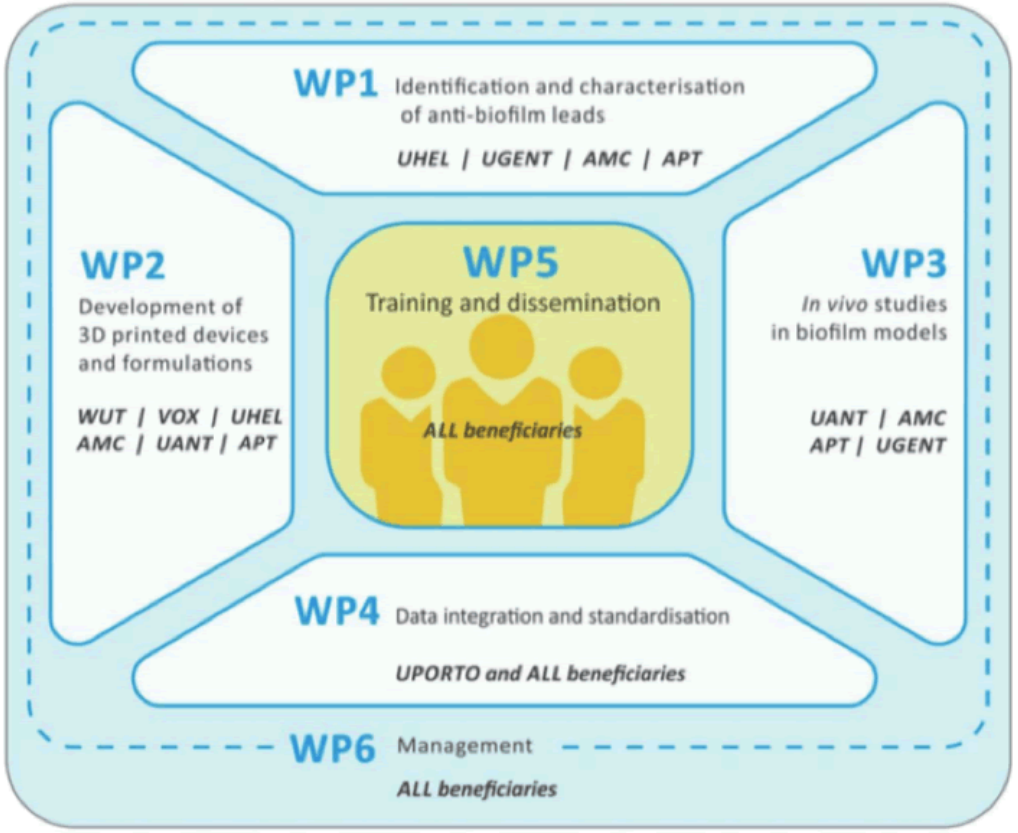
This job offer has expired

ORGANISATION/COMPANY	PRINT-AID H2020 Marie Sklodowska Curie ETN
RESEARCH FIELD	Biological sciences Chemistry Computer science Information science Medical sciences Pharmacological sciences
RESEARCHER PROFILE	First Stage Researcher (R1)
APPLICATION DEADLINE	15/03/2017 23:00 - Europe/Brussels
LOCATION	Multiple locations, see work locations below.
TYPE OF CONTRACT	Temporary
JOB STATUS	Full-time
HOURS PER WEEK	appr. 40
EU RESEARCH FRAMEWORK PROGRAMME	H2020 / Marie Skłodowska-Curie Actions
REFERENCE NUMBER	722467
MARIE CURIE GRANT AGREEMENT NUMBER	722467

Research topic



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Research topic

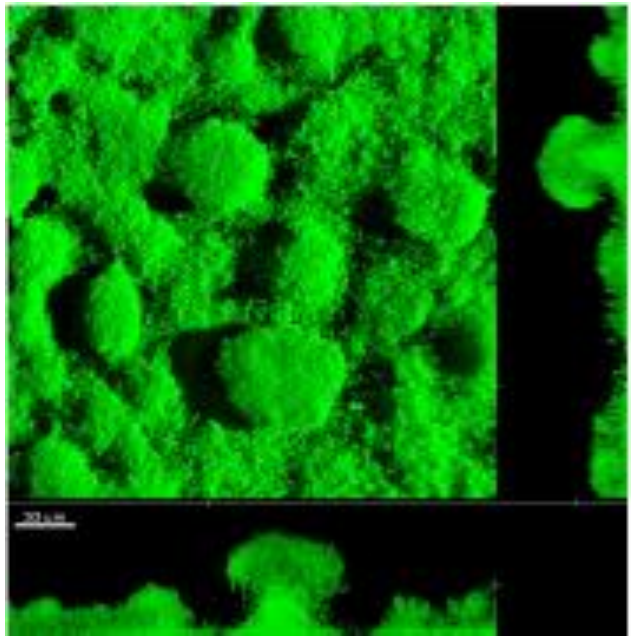
- *Pseudomonas aeruginosa* – Biofilm Related Infection

65-80% human infections associated with biofilms (Hall-Stoodley et al., 2004)

Pseudomonas aeruginosa

Most frequent bacterium in ICUs (Fujitani et al., 2011)

Hospital-Acquired Pneumonia



Rybtke et al., 2015. J Mol Biol 427:3628–3645

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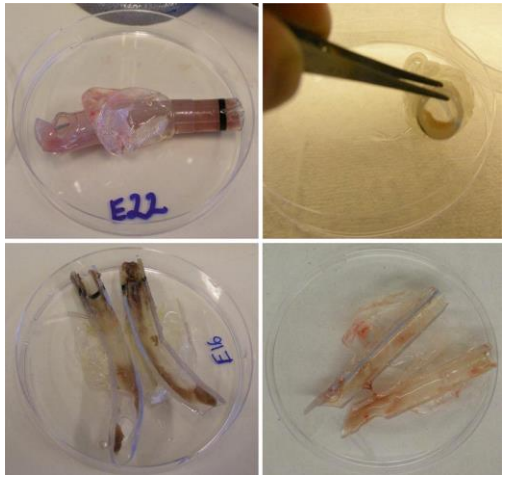
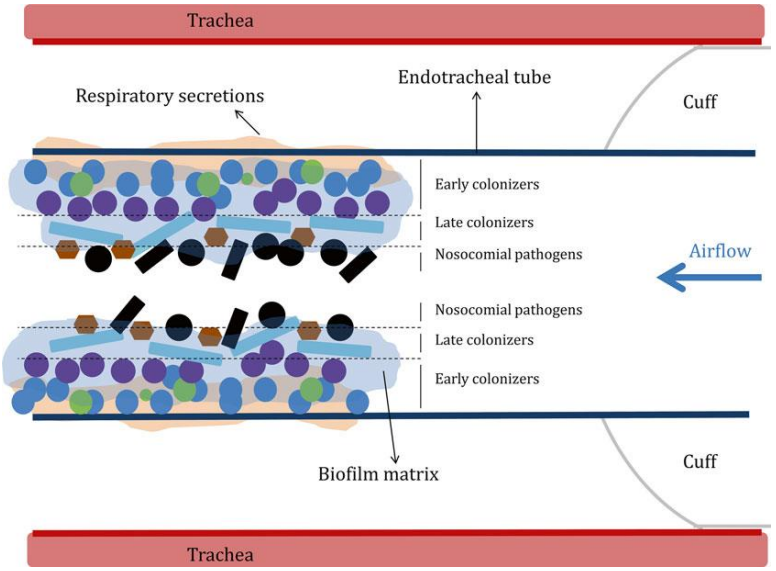
Research topic

- Ventilator Acquired Pneumonia (VAP)
- *P. aeruginosa* high mortality (Fujitani et al., 2011)
  - Crude 42-87%
  - Attributable 32-42,8%





G. Donelli(ed), Biofilm-based healthcare-associated infections: Volume I. Adv Exp Med Biol, 830:137-55

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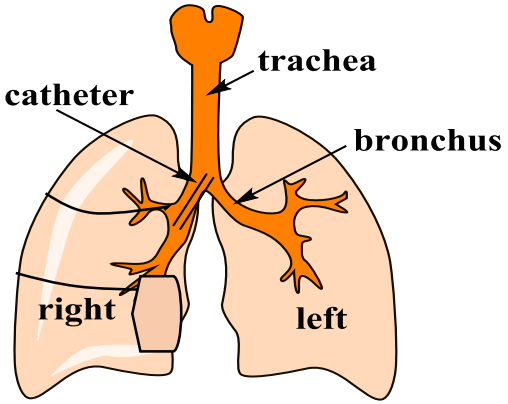
ESR Project

- VAP mouse model

✓ Balb/C mice
Tracheotomy

✓ Follow-up 7 days
Infection and Inflammation



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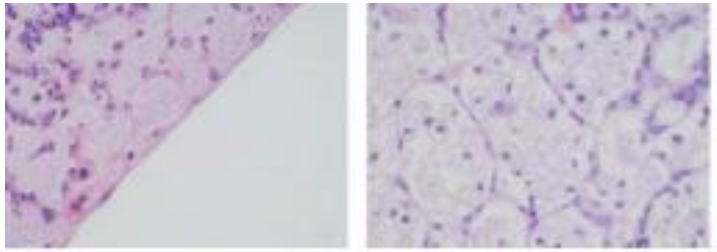
ESR Project

- Endpoints

- Lung macroscopy

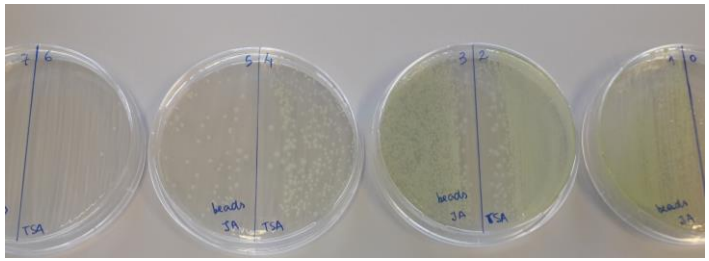
Moser et al., 2009. APMIS 117: 95–107

- Lung microscopy



Moser et al., 2009. APMIS 117: 95–107

- Bacteriology



- Immunology

Servier medical art

IFN-ɣ, TNF-α, IL-6, MCP-1, MIP-2, IL10, IL-12…

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Secondment plan

4 months, industrial experience, 3D printing

4 months, industrial experience, animal models

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MSCA – ITN

- **H2020**: 25000 doctoral candidates, 3% of EU GDP on R&D between 2014-2020

- **ITN:** Innovative doctoral-level training providing a range of skills in order to maximize employability

HOW?

Transferable skills

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MSCA – ITN

- Transferable skills

Interpersonal
Organizational
Leadership
Analytical
Communication

Teamwork
Flexibility
Innovation
Time management
Commercial awareness
Drive

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Multi- and inter-disciplinary team

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Academic sector and industry

University of Helsinki FINLAND

University of Ghent BELGIUM

Warsaw University of Technology POLAND

Voxdale BELGIUM

University of Antwerpen BELGIUM

Academic Medical Center THE NETHERLANDS

APTUIT ITALY

University of Porto PORTUGAL

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LMPH
Laboratory of Microbiology, Parasitology and Hygiene
University of Antwerp

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Thank you!

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