



# Resume



Name: Denis

Surname: Rajnović

Date and place of birth: 07.11.1990, Falkenberg, Sweden.

Nationality: Croat.

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Fluent in: Croatian, English and Spanish language

## Work experience:

1.3.2017-1.3.2021

### **Phd student**

Autonomous University of Barcelona, Spain ([www.uab.cat](http://www.uab.cat))

- design and development of inexpensive, rapid and simple methods to detect microorganisms or substances
- validating, calibrating and optimizing different microbial and chemical methods
- process data and scientific literature
- lecturing microbiology lab classes

University hospital Vall d'Hebron, Barcelona, Spain ([www.vhir.org](http://www.vhir.org))

- design and development of rapid immunological methods to detect influenza A virus

1.5.2016-1.10.2016

### **Start-up member at Agens j.d.o.o, Rijeka, Croatia**

- Maintenance and harvest of mushrooms in control environments

15.6.2015-15.9.2015

### **Internship**

Centre for Genomic Regulation, Barcelona, Spain. ([www.crg.eu](http://www.crg.eu))

- yeast genetics, PCR, fluorescent microscopy

1.2.2015- 15.5.2015

### **Internship**

University of Ljubljana, Slovenia ([www.uni-lj.si](http://www.uni-lj.si))

- interaction analyses of recombinant proteins and liposomes via SPR

### **Internship**

National Institute of Chemistry, Slovenia ([www.ki.si](http://www.ki.si))

- production and isolation of recombinant proteins

14.7.2013-1.8.2013

### **Internship**

Jadran Galenski Laboratorij, Rijeka, Croatia ([www.jgl.hr](http://www.jgl.hr))

- been introduced to work in sterile production department

## Education:

1.3.2017-1.3.2021	PhD (Doctorate) in Microbiology, Autonomous University of Barcelona, Spain ( <a href="http://www.uab.cat">www.uab.cat</a> )
1.10.2009-1.10.2015	Master degree in Drug Research and Development ( <a href="http://mag.pharm.inv">mag.pharm.inv</a> ) University of Rijeka, Croatia ( <a href="http://www.biotech.uniri.hr">www.biotech.uniri.hr</a> )
Technical and Informatical skills:	ELISA, microplate reader, magnetic beads, PCR, SPR, chromatography, fluorescence microscopy, flat-bed scanner image analysis, Microsoft office packet, bioinformatics programs (Pymol, Avogadro etc), Image J and GraphPad
Private business:	<a href="http://www.pizzastoppers.com">www.pizzastoppers.com</a>
Humanitarian work:	Caritas (persons without home), Badalona, Barcelona, Spain
Scholarships and awards:	<ul style="list-style-type: none"><li>- PIF scholarship, UAB, Spain</li><li>- CRG scholarship, Barcelona, Spain</li><li>- Erasmus +, Slovenia</li></ul>
Congress: 2019	Pharmaceutical Microbiology, London, UK <ul style="list-style-type: none"><li>- oral and poster presentation</li></ul>
Publications:	D.Rajnovic, X.Munoz-Berbel, J.Mas. (2019). Fast phage detection and quantification: an optical density-based approach. (PlosOne) D.Rajnovic and J. Mas. (2019). Fluorometric detection of phages in liquid media: application to turbid samples. (under review)
Manuscripts in preparation:	D.Rajnovic and J. Mas.. Equipment-free method for detection and quantification of bacteriophages in liquid samples. To be submitted in 2020. D.Rajnovic and J. Mas. Paper-based method for phage detection and quantification. To be submitted in 2020. D.Rajnovic, E.Baldrich, J.Mas. Fast influenza A virus (H1N1) detection and quantification: an immuno-magneto based approach. To be submitted in 2020 D.Rajnovic and J.Mas. Phage detection and quantification methods (review). To be submitted in 2020
Additional information:	References available upon request