

## CONTACT INFORMATION

### Email

charguedas03@gmail.com  
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### Address

Madrid, Spain.

### Phone

(+34) 635 90 74 70  
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### Date of birth

March 3<sup>rd</sup>, 1992.

### Nationality

Costa Rican

### LinkedIn Profile

[www.linkedin.com/in/cdaniel-chaconarguedas](http://www.linkedin.com/in/cdaniel-chaconarguedas)

### Skills

Teamwork  
Problem-Solving  
Leadership  
Public speaking  
Mentoring  
Laboratory administration

### Languages

- Spanish (Native).  
- English

**TOEFL iBT score: 109**

(Reading: 30/30, Listening: 30/30, Writing: 24/30, Speaking: 25/30). Equivalent to C1 or higher in CEFR

(<https://www.ets.org/toefl/institutions/scores/compare/>)

# CARLOS DANIEL CHACÓN-ARGUEDAS

Microbiologist Clinical Chemist - Immunologist

Scientist and researcher.



## WORK EXPERIENCE

*December 2020 – Present*  
Madrid, Spain

### PhD Candidate

#### Complutense University of Madrid

- Doctoral Program in Biochemistry, Molecular Biology and Biomedicine, Doctorate School.
- T Cell Physiopathology Group, Laboratory of José R. Regueiro, Department of Immunology, Faculty of Medicine.

*July 2019 – December 2020*  
San José, Costa Rica

### Lecturer (non-tenured track)

#### University of Costa Rica

- Molecular Medicine Laboratory / Department of Anatomy, School of Medicine.
- Section of Cell and Molecular Biology / Section of Virology / Research Center in Tropical Diseases, Faculty of Microbiology.
- System of Postgraduate Studies.

*November 2018 – January 2020*  
San José, Costa Rica

### Microbiologist Clinical Chemist

#### Hospital Clínica Bíblica

Microbiological and clinical analyses.

*November 2018 – January 2020*  
San José, Costa Rica

### Microbiologist Clinical Chemist

#### Caja Costarricense del Seguro Social

Microbiological and clinical analyses.

*August 2018 – June 2019*  
San José, Costa Rica

### Biology Teacher

#### Colegio Científico Costarricense Sede San

*January 2016 – September 2017*  
San José, Costa Rica

### Lecturer (non-tenured track)

#### University of Costa Rica

- Faculty of Microbiology.
- Research Center for in Cell and Molecular Biology.

*October 2015 – January 2016*  
Heredia, Costa Rica

### Lecturer (non-tenured track)

#### National University of Costa Rica

- Teacher and Head of the Microbiology Laboratory.

January 2015 – June 2015  
Heredia, Costa Rica

### Intern

#### Caja Costarricense del Seguro Social

Rotations in the Clinical Laboratory of the National Children's Hospital.

March 2012 – July 2015  
San José, Costa Rica

### Research Assistant

#### University of Costa Rica

Collaboration in the execution of research projects at the group of Dr. Alfonso García Piñeres at the Research Center for in Cell and Molecular Biology.

## EDUCATION

2019  
San José, Costa Rica

### Master's Degree in Microbiology

#### University of Costa Rica

- **Average Grade:** 9,51/10.
- **TFM:** "Hydroxyapatite-based gene vehicles: efficacy and intracellular traffic" under the supervision of Dr. Alfonso García Piñeres from the Research Center in Cell and Molecular Biology.
- Best Grade of the Graduate Studies System in Microbiology, Parasitology, Clinical Chemistry and Immunology in 2016.
- Honorable mention in the TFM.
- Honor graduation.

2018  
Madrid, Spain

### Master's Degree in Research in Immunology

#### Complutense University of Madrid

- **Average Grade:** 9,78/10.
- **TFM:** "Characterization of the C3 p.R735W variant, located in the C3a anaphylatoxin domain through humoral (C3 activation) and cellular (C3a receptor engagement) functional analyses" under the supervision of Dr. Augustin Tortajada Alonso in the group of Dr. José R. Regueiro, Department of Immunology, Faculty of Medicine.

2015  
San José, Costa Rica

### Degree in Microbiology and Clinical Chemistry

#### University of Costa Rica

- **Average Grade:** 08.58 / 10.
- **TFG:** "Characterization of a collection of hydroxyapatite nanoparticles with different structural properties as gene vehicles and fluorescent probes" under the supervision of Dr. Alfonso García Piñeres from the Research Center in Cell and Molecular Biology.
- Honorable mention in the TFG.

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## PUBLICATIONS

Tortajada, A., Marín, A. V., Arjona, E., **Chacón, D.**, Sabúz, O., Merinero, H. M., Regueiro, J. R., & Córdoba, S. R. de. (2018). The C3-R735W variant results in a hyperactive C3 that associates with atypical haemolytic uremic syndrome and C3-glomerulopathy. *Molecular Immunology*, 102, 221. <https://doi.org/10.1016/j.molimm.2018.06.230>

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## AWARDS AND SCHOLARSHIPS

Graduation with Honors, Academic Master's Degree in Microbiology, Graduate Studies System, University of Costa Rica, 2020.

Honorable Mention in the Thesis, Academic Master's Degree in Microbiology, Graduate Studies System, University of Costa Rica, 2019.

Carolina Foundation Scholarship to study the Master's Degree in Immunology Research at the Complutense University of Madrid, 2017.

Best Grade of the System of Postgraduate Studies in Microbiology, Parasitology, Clinical Chemistry and Immunology, University of Costa Rica, 2016.

Honorable mention in the Final Graduation Project, Degree in Microbiology and Clinical Chemistry, Faculty of Microbiology, University of Costa Rica, 2015.

Gold Medal, IV Ibero-American Olympiad of Biology Lima 2010.

Gold Medal, Category A, Costa Rican Biological Sciences Olympiad 2009.

Silver Medal, Category B, 2008 Costa Rican Biological Sciences Olympiad.

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## LAB SKILLS

**Molecular and cell biology techniques** (molecular cloning, PCR, immunostaining, flow cytometry, fluorescence microscopy, western blot, transfection, transformation).

**Cell cultures of animal cells** (maintenance, passages, preservation, media preparation, primary cultures).

**Bacterial, fungal and viral cultures** (maintenance, passages, preservation, media preparation, storage, identification of microorganisms).

**In vitro cellular and functional assays with cell models.**

**Collection and processing of clinical samples in humans** (phlebotomies, scrapings, biological fluids, secretions and biopsies).

**Administrative management** (writing of research proposals, organization of lab work and members, supervision of students, purchase of reagents and laboratory material).

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## TEACHING EXPERIENCE

### Teaching Skills

- Teaching experience at both undergraduate and graduate levels.
- Course planning in lecture, seminar or practical modalities.
- Planning and development of laboratory practices in different areas.
- Preparation of tests and evaluations both theoretical and practical.
- Supervision of undergraduate and graduate students in the laboratory.
- Tutorials for group or individual work like seminars.

### Undergraduate and Postgraduate Courses

Laboratory of Medical Mycology (professor), Laboratory of General Biology (professor), Techniques in Cellular and Molecular Biology (professor), Clinical and Diagnostic Genomics (professor), Fundamentals of Microbiology (Coordinator), Histology (professor), Cellular and Molecular Biology (Coordinator, master's degree course), Immunodiagnostic I and II (Coordinator, Diploma).

### Graduation Work Committees

- **Advisor** for the Final graduation work of the student Carlos Cervantes Fernandez, entitled "*Influence of autophagic flow on the efficiency of cell transfection in different cell lines*".
- **Advisor** for the Final Master's degree work of the student Jessica González Fernández, entitled "*Standardization of techniques for preservation, restoration and extraction of anatomical pieces and genetic material of the Laboratory of Morgue and Necrobiology of the School of Medicine of the University of Costa Rica, between 2017 and 2018*".
- **Advisor** for the Final Specialty work of the student Karolina Fallas Padilla, entitled "*Effect of stress on the Immune System in obese people who suffer from depression*".

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## OTHER ACADEMIC ACTIVITIES

- Reviewer of the HSJD-UCR Clinical Journal, University of Costa Rica.
- Member of the Costa Rican Association of Microbiology and Parasitology.

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## REFERENCES



**DR. JOSÉ R. REGUEIRO.**

**Email:** regueiro@med.ucm.es

**Phone Number:** +34 913 941 631.

**Position:** Research and PhD Vice Dean / Full Professor of Immunology.

**Department/Centre:** Immunology, Ophthalmology and ORL, School of Medicine, Complutense University of Madrid.



**DR. AGUSTÍN TORTAJADA ALONSO.**

**Email:** agustito@ucm.es

**Phone Number:** +34 656 287 165.

**Position:** Associate Professor.

**Department/Centre:** Immunology, Ophthalmology and ORL, School of Medicine, Complutense University of Madrid.



**DR. ALFONSO GARCÍA PIÑERES.**

**Email:** a.garcia.pineres@me.com

**Phone Number:** +34 913 941 631.

**Position:** Full Professor and Director.

**Department/Centre:** Research Center in Cell and Molecular Biology, University of Costa Rica.



**DR. DAVID LORÍA-MASÍS.**

**Email:** agustito@ucm.es

**Phone Number:** +34 656 287 165.

**Position:** Guest Professor.

**Department/Centre:** Research Center in Tropical Diseases and Section of Virology, Faculty of Microbiology, University of Costa Rica.