

# Daniel R. Landi C.

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## CAREER AIM:

I am very enthusiastic to follow a career in biophysics. As a recent graduate from one of the most renowned Universities in my country, I have proven that I am a committed, goal-oriented person. During the course of my career I combined studies with work as a teacher's assistant (and in every experience, I was rewarded by my supervisors with certificates of excellence) and other personal commitments, demonstrating organizing skills and the capacity to work well under pressure. I possess excellent verbal and written skills in the communication of complex ideas.

## EDUCATION:

2008-2015 UNIVERSIDAD CENTRAL DE VENEZUELA Licenciante in Biology

### 1<sup>st</sup> year subjects

included:

- Mathematics
- Physics
- Chemistry  
(Theory and  
Laboratory)

### 2<sup>nd</sup> year:

- Plant biology  
(theory and lab.)
- Animal biology  
(theory and lab.)
- Physical  
chemistry
- Organic  
Chemistry (theory  
and lab.)
- Biostatistics

### 3<sup>rd</sup> year:

- Biochemistry  
(theory and lab.)
- Genetics (theory  
and lab.)
- Cellular Biology  
(theory and lab.)
- Plant physiology  
(theory and lab.)
- Ecology (theory  
and lab.)

#### 4<sup>th</sup> year:

- Animal physiology (theory and lab.)
- Evolution
- Science philosophy

#### 5<sup>th</sup> year:

- Molecular Genetics (theory and lab.)
- Physiology of excitable cells
- Immunology
- Quantitative Ecology
- Topics in Physiology and Biophysics

#### 6<sup>th</sup> and 7<sup>th</sup> year:

- Thesis

#### Practical skills gained during my degree:

- Protein isolation and separation by gel filtration, microscopic investigation, sterile microbiological techniques.
- Enzyme assays, protein purification, gene cloning. Agarose gel electrophoresis, SDS-PAGE.
- Bright-field microscopy, voltage clamp, patch clamp, pipette fabrication, non-parametric multivariate statistics. These were all key skills I had to master for my thesis project (see below).
- **Research thesis:** Title “Effect of cAMP on the K<sup>+</sup>/Ca<sup>2+</sup> exchanger of the human erythrocyte” (link: <http://saber.ucv.ve:8080/jspui/handle/123456789/13479> ). This project was aimed to provide information about a novel mechanism through a partial characterization using electrophysiological techniques and data analysis, and allowed me to enrich my abilities to work independently.

## WORK EXPERIENCE:

- Colegio “El Carmelo”  
Caracas, Venezuela

High school teacher I (Biology)

Jan. 2016 – Apr. 2016

- Universidad Central de Venezuela  
Caracas, Venezuela

Teacher’s Assistant II (Laboratory of Animal Physiology)

Oct. 2014 – Feb. 2015

Teacher’s Assistant II (Evolution)

Oct. 2012 – Feb. 2013

Teacher’s Assistant II (Laboratory of Cell Biology)

Feb. 2012 – Oct. 2012

Teacher’s Assistant II (Physical Chemistry)

Oct. 2011 – Feb. 2012

Teacher’s Assistant I (Biostatistics)

Feb. 2011 – Oct. 2011

Teacher’s Assistant I (Physical Chemistry)

Oct. 2010 – Feb. 2011

All of my work experience has involved assisting students in different subjects, either by providing assistance in a laboratory, solving problems and exercises, and/or by introducing topics complementary to the course. As a teacher’s assistant, I led the class when the instructor was absent, I supervised and evaluated student’s laboratory work, I

organized lab test solutions, compounds and reagents, I calibrated and troubleshoot laboratory instruments and accurately inventoried lab chemicals and supplies.

## SKILLS:

- **Research dissertation:** Researched both in paper journals and on the Internet and library based research.
- **Teamwork:** I have successfully undertaken various small team projects within academic environment.
- **Communication:** Oral communication skills expressed in presentations and in classes. Writing skills developed with essay writing. My degree course greatly enhanced my written and verbal communication skills due to the many presentations, assignments, posters, essays and projects required.
- **Languages:** Spanish is my native language, but I am also advanced in English, either writing, reading or conversational.
- **Willingness to learn:** I am enthusiastic to develop my understanding and acquire new skills through employment.
- **Problem solving:** I have the ability to solve problems, tested with continuous problem solving exercises given as assessments, which may require mathematical analysis and evaluation.
- **Computer skills:** Knowledge and experience of Windows environment, Pulse (HEKA), PAST, OriginPro, Lyx, JabRef, MS Word, MS Excel, MS PowerPoint.

## REFEREES:

Dr. Jesús G. Romero

School of Biology - Director

Universidad Central de Venezuela

Caracas, Venezuela

[romerojesus@cantv.net](mailto:romerojesus@cantv.net)

Dr. Antonio M. Gutiérrez

Graduate Studies in Cellular Biology –  
Director

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