

## International Cooperation and Mentoring: An Academic Obligation? University of Concepción - CHILE

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## International Cooperation and Mentoring: An academic obligation?

#### University of Concepción - CHILE

Dr. Carlos González Correa Associated Professor

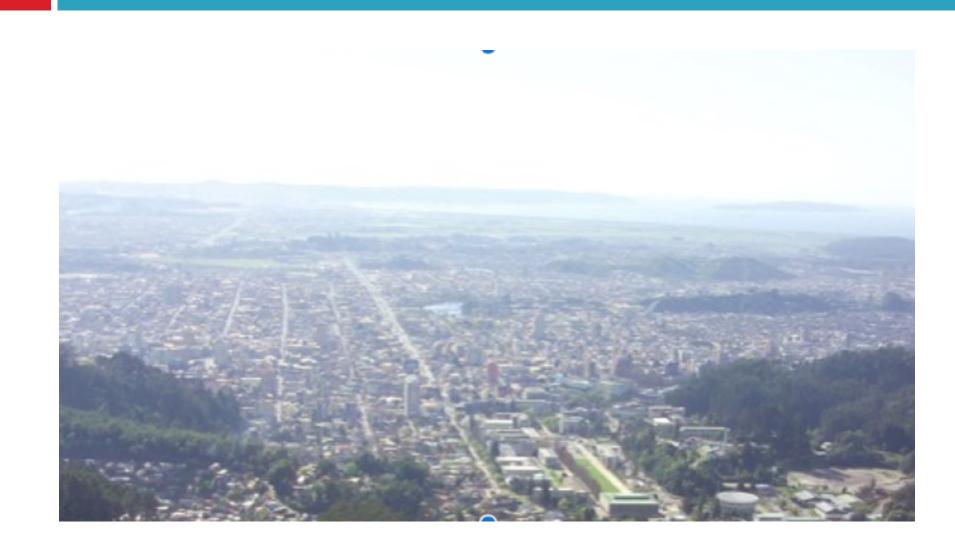
Faculty of Biological Sciences Department of Microbiology

Freiburg - 2014

#### Outline of presentation

- An overview of the city of Concepción and the region
- Policy of Education in Chile
- The University of Concepción
- The Faculty of Biological Sciences
- International cooperation

## The city of Concepción



#### The City of Concepción

- Concepción is the capital city of the Bio-Bio Region.
- It is located in the middle of Chile, close to the Pacific Ocean, and 500 kilometers south of Santiago. Chile is 4000 km length
- The Region is identified with the hydrographic basin of the Bio-Bio River, one of the most important fluvial streams in the country.

#### The Region of Bío-Bío

► It has a population of nearly 2.000.000 inhabitants and a surface area of 37.000 square kilometers.

The climate is characterized by well-defined seasons with a warm summer and a cold winter.

It is also considered as an university city

#### Higher Education in Chile

- Chile hold 64 Universities
- Group 1: Include 25 members called the Rectors Council Group.
- Group 2: Composed by 39 private Universities of different owners and orientations

Also has 48 Professional Institutes and 117 Technical Training Centers

### National Research Support

In 1967, the Ministry of Eductation created an autonomous office called "National commission for scientific research and technology", CONICYT. The two major objectives were the training of human capital and the promoting, developing, and disseminating scientific and technological research. The aim is to Contribute to Chile's economic, social, and culture development.

#### Research in Chile

Research is supported almost completely by the Universities, mainly those belonging to the Group 1.

According with the **impact in sciences**, the <u>most</u> relevant Universities are:

- -University of Chile
- -Catholic University
- -University of Concepción

### Graduate Programs and Training

Advanced human capital formation is supported also by CONICYT since 1989.

Scholarships include <u>Master</u> and <u>Ph.D.</u> <u>programs,</u> <u>medical specialties,</u> and postdoctoral training both in <u>Chile and in foreign countries.</u>

The yearly budget is around 190 millions dollars

#### The University of Concepción



The University of Concepción is composed by three campi:

- > Campus Concepción
- Campus Chillan (112 kilometers northeast of Concepción)
- Campus Los Angeles (about 136 Km. Southeast of Concepción)

Campus Concepción (founded in 1919)

#### Thinking and working for human being



Main entrance

The University of Concepción is a private corporation established in 1919 as a result of an initiative from the local community. It was the third university established in the country and the first one outside the capital city and has become a cultural heritage of the city of Concepción.

#### Full of symbols



The Torch

Located at the floor of the main entrance, the torch is one of the relevant symbol, that give us light of knowledge and wisdom, guiding our steps.

## The University of Concepción in the Regional and National Context



- It is humanistic, democratic, and a non profit institution
- Created by the community of Concepción City as a Private Law Corporation
- It is a research university
- It has a regional and national compromise and an important international projection

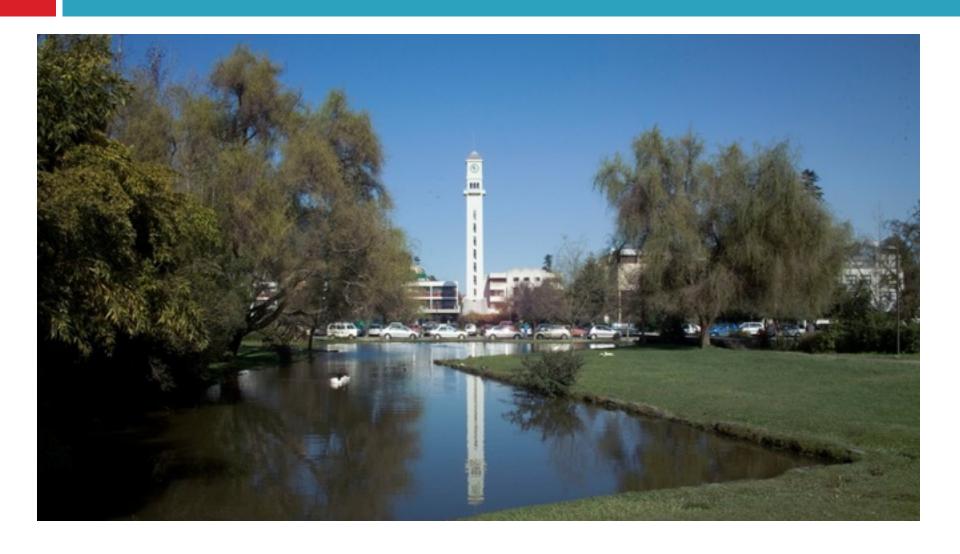
#### General Setting of the University

- > Full-time faculties: 1.332.
- Total Budget: US\$ 141 Millions
- > **Staff**: 1.500
- Building facilities: 230.000 m2
- Libraries: 10 (440.000 books)
- Sport facilities: Soccer, basketball, tennis, athletics, and other sports.
- Student houses: 5

## Outdoor sports



## The campanile



#### **Faculties**

- Architecture, Urbanism and Geography
- Biological Sciences
- Business-Administration and Economics
- Chemical Sciences
- Dentistry
- Education
- Engineering
- Environmental Sciences
- > EULA

- > Forestry Sciences
- > Medicine
- > Humanities and Arts
- > Law and Social Sciences
- Natural Sciences and Oceanography
- > Pharmacy
- Physical and Mathematical Sciences
- > Social Sciences
- > Veterinary

#### Mission

To generate and transmit knowledge through continuous formation of trained human capital both at graduates and professional levels.

#### Vision

We aim to be recognized as a national and international leader institution in the creation of knowledge, and in training human resources for supporting the development of the region and our country.

#### Academic activities

- 90 Professional careers
- 23,130 Undergraduate students

- 24 PhD programs
- > 54 Master programs
- 40 Diploma or Diplomate programs
- > 30 Health specialists training programs
- > 1,637 PhD students
- > 1,010 Master students
- 110 Foreign students

### Advanced Research Centers at the University of Concepción

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Eula Center (Environmental Research)
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- CIPA Center (Polymers Research)
- COPAS Center (Oceanographic Research)
- > GEA (Institute of Economic Applied Geology)
- Biotechnology Center
- > Center of Optics and Photonic
- > Cl<sup>2</sup>MA (Center of Research in Mathematical Engineering)
- ➤ Idea Incuba (Business Incubator)
- > TIGO (Geodesic Research)
- > **UDT** (Technological Development)
- > CIEP (Center for the Aquatic Ecosystems of Patagonia)

# Advanced Research at the University of Concepción

4 Technological Consortia

➤ 545 Research Projects

≥453 Industrial projects

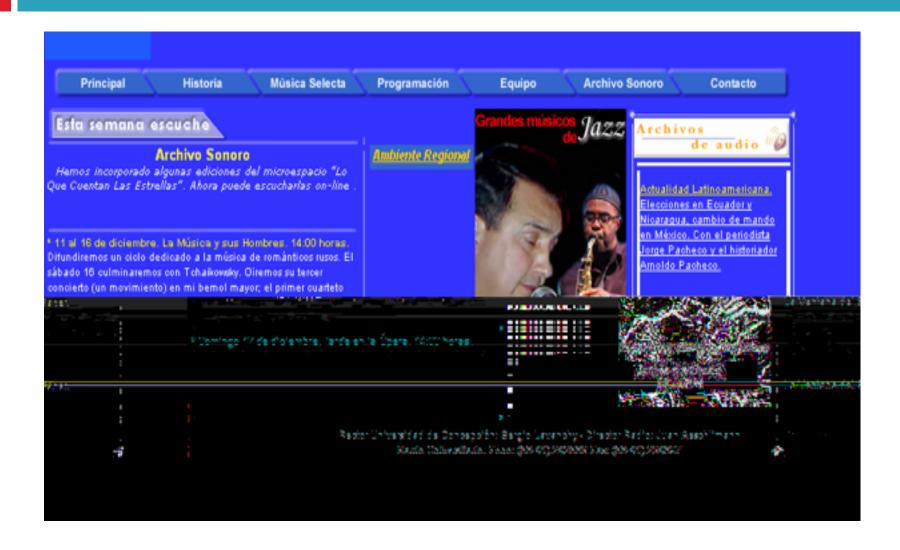
> 87 Research Groups

≥150 R&D partnership

- > 77 Patents (Request Files)
- 2 Business Incubators
- ➤ 1 Scientific-Technological Park Project

#### Communication, Sport and Art

## Radio "Universidad de Concepción" 95.1 AM/FM



#### Open Television "Universidad de Concepción"



#### Newspaper



09:34 Fiscalización vehícular terminó en decomiso de drogas en #Chillán

20 23 Vaintifréa paraonas muriaron en accidentes de trinalto en el país durante fin de Samana Santa

Reportes históricos.

SusDiom:

## Sports









#### The Faculty of Biological Sciences

#### Frontal face of the Biological Sciences Faculty



## The Top of the Entrance



## Postgraduate Programs

#### Ph.D. Programs

- √Molecular and Cellular Biology (1997)
- √Microbiology (2010): 3 years of accreditation

#### Master of Sciences

- √Microbiology (1978): 9 years of accreditation
- √ Physiology
- √Biochemistry and bioinformatics

## Master of Sciences in Microbiology

|               | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---------------|------|------|------|------|------|------|------|
| Regulares     | 28   | 26   | 32   | 32   | 37   | 41   | 43   |
| Extranjeros   | 4    | 4    | 5    | 5    | 5    | 4    | 0    |
| Graduados     | 4    | 5    | 7    | 7    | 5    | 6    | 6    |
| Al.Eliminados | 2    | 1    | 4    | 3    | 2    | 2    | 1    |
| Al.Renuncia   | 0    | 0    | 0    | 2    | 0    | 0    | 0    |
| Pasantía      | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

|        | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--------|------|------|------|------|------|------|------|
| Nuevos | 14   | 7    | 12   | 10   | 13   | 11   | 11   |

## International cooperation (Germany)

We believe in cooperation because we need to be supported with feedback and by scientific criticism to generate knowledge and grow up.

# Examples of cooperation with German Institutions

| University of BONN                                    | 2004 |
|---|------|
| University of BREMEN                                  | 2006 |
| University of LEIPZIG                                 | 2007 |
| University of BERLIN                                  | 2007 |
| University of MAINZ                                   | 2009 |
| Techn. University of MUNICH                           | 2010 |
| <ul> <li>Techn. University of BRAUNSCHWEIG</li> </ul> | 2011 |

# University of Heidelberg (2013 – 2019)

Die rechtliche Befugnis von Sergio Lavanchy Merino, die Universität Concepción zu vertreten, wird in dem Dekret U. de C. Nr. 2010-38 vom 14. Mai 2010 verliehen. Dieses Dokument ist mit gleichem Datum registriert im Notariat von Juan Espinosa Bancalari in Concepción und dem Protokoll Nr. 60, Repertorio Nr. 1639 am Schluss beigefügt.

Die Befugnis von Prof. Bernhard Eitel. die Ruprecht-Karls-Universität Heidelberg zu vertreten. kommt aus der Artikel 17 Absatz 1 des Landesgesetzüber die Universitäten in Raden-Wirttemberg in der Fassund vom 14. Juli 2012.

Concepción, den

Heidelberg, den

Masocras

Seite 3 von 3

Heidelberg in der Fassung vom 14. Juli 2012.

Heidelberg, den

Masocras

Seite 3 von 3

## Last agreement signed by our faculty (2014 – 2019)

#### Agreement on the join supervision of doctoral theses

Between

University of Regensburg
Faculty of Biology and Preclinical Medicine
Represented by Prof. Dr. Udo Hebel, President

And

Universidad de Concepción Faculty of Biological Sciences Represented by Prof. Sergio Lavanchy, President

### Agreement lasting in five more years

#### Article 12 Legal Effect

This agreement will be effective from the date of signature, signed by the two representatives of the two partner institutions at first for the duration of five years and will tacitly be prolonged for another five years. It can be cancelled in written form six month ahead of the termination of the agreement by each partner institution. The agreement is drawn up in six original copies. Each partner institution receives three copies that are equally legally binding.

#### Signatures

Regensburg, 3 0. 07. 14

The President of the University of Regensburg

Prof. Dr. Udo Hebel

Concepción, 0 8 AGO 2014

The President of the Universidad de Concepción

## ... Coming events

Hopefully, beyon Freiburg, Buenos Aires and Montevideo will be the next stop!

## **Thanks**

