



Universidad
Andrés Bello®
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PHD UNAB

Phd Conservation Medicine

ADMISSION **2023**

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Comisión Nacional
de Acreditación
CNA-Chile

5
years

ACCREDITED

For 5 years by the National
Accreditation Commission
(CNA) from June 26th 2019
to June 26th 2024.



01 Presentation

Conservation Medicine is an interdisciplinary scientific field dedicated to understanding, with a One Health approach, the effects of global change variables and their interaction with human, animal and plant health and the ecosystems that support them. Phenomena such as climate change, ecosystem degradation, biological invasions and pollution have vast economic, sociological, ecological and health repercussions, as is the case with the current SARSCoV-2 pandemic. Conservation Medicine seeks to develop and apply health management practices, policies and programs that promote biodiversity conservation and the protection of ecosystems that are essential for the health of all organisms on the planet.

02 Program Accreditation

The PhD in Conservation Medicine is accredited for 5 years by the National Accreditation Commission (CNA) from June 26th 2019 to June 26th 2024.

03 General Objective

Provide the knowledge and tools that allow to conduct autonomous research and deepen our understanding of the interactions between variables of global change resulting from human activities and population growth and the health of humans, domestic animals, wildlife, and ecosystems.

04 Specific objectives

- To deepen the understanding on the interactions between global change variables aiming to develop new knowledge in Conservation Medicine.
- To develop the skills that allow to conduct research to determine the effects of environmental change on human and animal health and the ecosystems these species share.



Centro de Investigación Marina Quintay (CIMARQ)



05 Graduate profile

The graduate of the PhD program in Conservation Medicine at Universidad Andrés Bello has a solid background in the knowledge, state of the art, fundamentals, and extent of the effects that anthropogenic activities have on ecosystems and their impact on the health and conservation of the organisms that inhabit them. In addition, it demonstrates proficiency of the theoretical and methodological bases of scientific research in the area of Conservation Medicine. It is capable of analyzing, diagnosing, predicting and solving conflicts in ecosystem health with an integrative perspective, considering the complex relationships between human, wild and domestic animal health, and the environment that sustains them.

06 Areas of research

- **Population health:** This area proposes an integrative approach to health problems at the interface between animals, humans and the environment, recognizing that their health is interconnected. There is special emphasis in determining how human activity drives changes in the epidemiology of diseases affecting different species with the aim of proposing conservation measures.
- **Biological conservation:** This area assesses the main factors affecting biodiversity in the context of global change, such as habitat destruction and degradation, overexploitation, biological invasions, contamination and climate change. Its goal is to provide solutions to the growing environmental issues, considering the importance of biodiversity in the provision of ecosystem services.

07 Program Director

Claudio Azat

MV, MSc, PhD (Universidad Andres Bello/Zoological Society of London).

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Academic Faculty

Claudio Azat

PhD in Conservation Medicine (Universidad Andrés Bello/Zoological Society of London). Areas: Population health and biological conservation.

Rubén Avendaño-Herrera

PhD in Biology specialized in Microbiology and Parasitology of Fish (Universidad Santiago de Compostela Spain). Area: Population health.

Gustavo Chiang

PhD in Environmental Sciences (Universidad de Concepción). Area: Population health.

Loretto Contreras

PhD in Biological Sciences specialized in Molecular Genetics and Microbiology (Pontificia Universidad Católica de Chile). Area: Population health.

Mauricio Coppo

PhD in Veterinary Virology and Avian Immunology (University of Melbourne). Area: Population health.

Cristian Duarte

PhD in Science specialized in Systems and Ecology (Universidad Austral de Chile). Area: Biological conservation.

Nicolás Galarce

PhD in Agricultural and Veterinary Sciences (Universidad de Chile). Area: Population health.

Christian Ibañez

PhD in Sciences specialized in Ecology and Evolutionary Biology (Universidad de Chile). Area: Biological conservation.

Sebastián Klarian

PhD in Conservation Medicine (Universidad Andrés Bello). Area: Biological conservation.

Gonzalo Medina

PhD in Wildlife Ecology (Lincoln University, New Zealand). Areas: Population health and biological conservation.

Edmundo Muñoz

PhD in Engineering (Universidad de La Frontera). Area: Biological conservation

Rodolfo Paredes

PhD in Biomedical Sciences (Universidad de Chile). Area: Population health.

José Pulgar

PhD in Biological Sciences specialized in Ecology (Pontificia Universidad Católica de Chile). Area: Biological conservation.

Verónica Quirici

PhD in Biological Sciences specialized in Ecology (Pontificia Universidad Católica de Chile). Area: Biological conservation.

Alejandro Simeone

PhD in Natural Sciences (University of Kiel, Germany). Area: Biological conservation.

Gisela Stotz

PhD in Ecology (University of Alberta, Canada). Area: Biological conservation.

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Collaborating professors

Aiko Adell

PhD in Comparative Pathology (University of California Davis, USA). Area: Population health.

Cristian Bulboa

PhD in Science specialized in Botany (Universidad de Sao Paulo, Brasil). Area: Biological conservation.

Mauricio Carter

PhD in Science specialized in Ecology and Evolutionary Biology (Universidad de Chile). Area: Biological conservation.

Juan Manuel Estrada

PhD in Biotechnology (Universidad Andrés Bello). Area: Biological Conservation.

Ivan Franchi

PhD in Geography, Territorial Planning and Environmental Management (Universitat de Barcelona, Spain). Area: Biological Conservation.

Elizabeth Garrido

PhD in Environmental Resource Science (Universidad de La Frontera). Area: Biological conservation.

Carlos González

PhD in Pathology (University of Edinburgh, UK). Area: Population health.

Pablo Oyarzún

PhD in Marine Biology (Universidad Austral de Chile). Area: Biological conservation.

M. Cecilia Pardo

PhD in Sciences, specialized in Ecology and Evolutionary Biology (Universidad de Chile). Area: Biological conservation.

Daniel Pons

PhD in Mathematics (Imperial College London, University of London, UK). Area: Population health.

Pamela Thomson

PhD in Biomedicine (Universitat Rovira i Virgili, Catalunya, Spain). Area: Population Health.

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Visiting professors

Karina Acevedo-Whitehouse

PhD in Molecular Ecology (University of Cambridge, UK). Universidad Autónoma de Querétaro, Mexico.

Pelayo Acevedo

PhD en Biología y Tecnología de los Recursos Cínicos (Universidad de Castilla-La Mancha, Spain). Instituto de Investigación en Recursos Cínicos, Spain.

Julio Benavides

PhD in Evolutionary Biology and Ecology (Université de Montpellier, France). Institut de Recherche pour le Développement (IRD), France.

Andrew Cunningham

PhD in Wildlife Epidemiology (Royal Veterinary College, University of London, UK). Professor of Wildlife Epidemiology, Institute of Zoology, Zoological Society of London, UK.

Arno Gutleb

PhD in Environmental Science, Toxicology (Wageningen University, The Netherlands). Public Research Centre "Gabriel Lippmann", Luxembourg.

Javier Millán

PhD in Veterinaria (Universidad de Zaragoza, Spain). Instituto Agroalimentario de Aragón IA-2, Universidad de Zaragoza, Spain.

John Organ

PhD in Wildlife and Fisheries biology (University of Massachusetts at Amherst, USA). US Geological Survey, USA.

María Soledad Sepúlveda

PhD in Veterinary Sciences (University of Florida, USA). Professor & Associate Head for Research, Department of Forestry & Natural Resources, Purdue University, West Lafayette, USA.

Paul Wagner

PhD in Biology (Virginia Tech University, USA). Professor of Practice and Program Director, MPS in Climate Leadership, College of Natural Resources and Environment, Center for Leadership in Global Sustainability, USA.



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Curriculum

PHD CONSERVATION MEDICINE

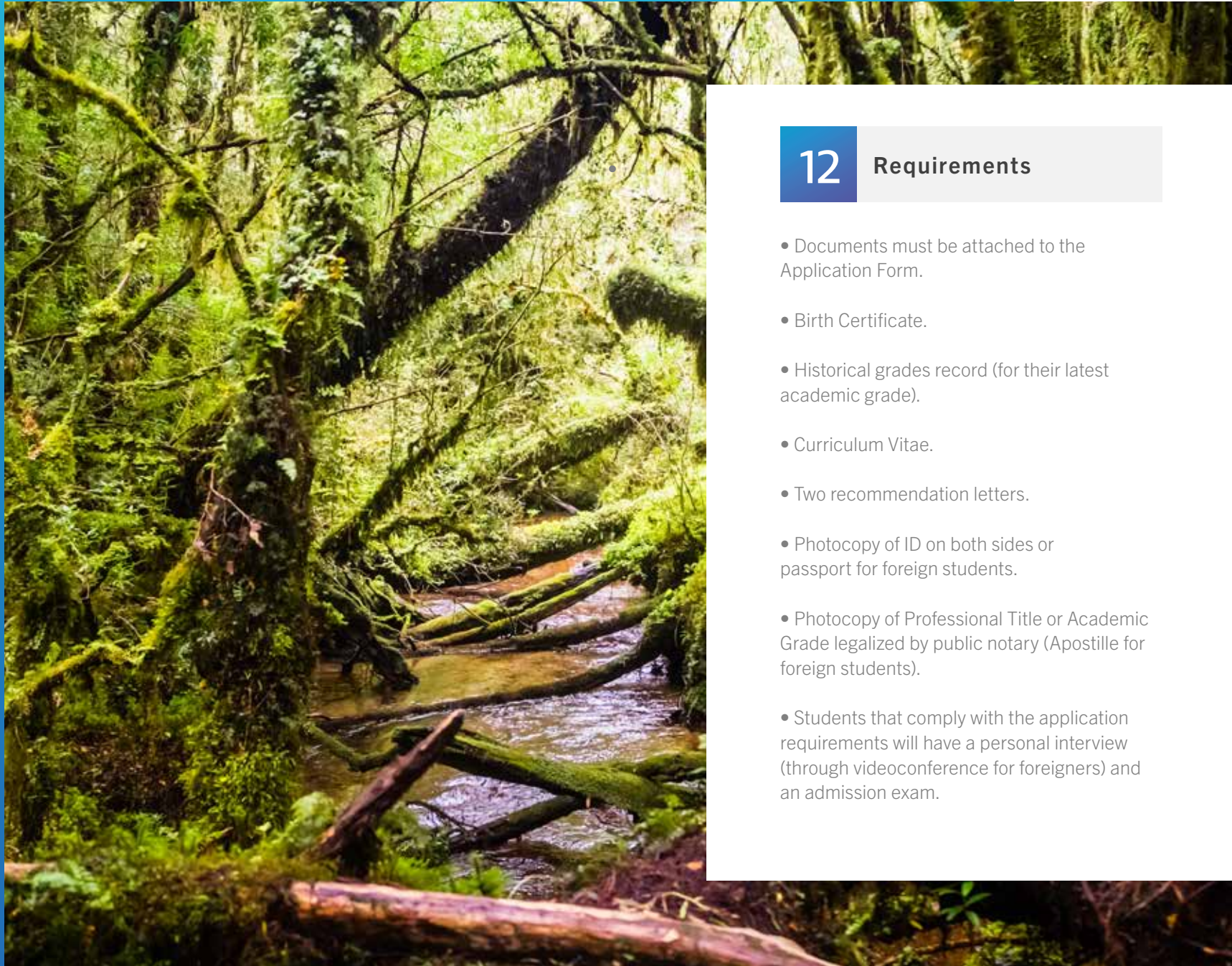
UNIVERSIDAD ANDRÉS BELLO



ELECTIVE COURSES

- ECOTOXICOLOGY
- ECOIMMUNOLOGY
- GEOGRAPHIC INFORMATION SYSTEM (GIS) APPLICATION IN ECOSYSTEM HEALTH.
- MICROBIOLOGY AND PARASITOLOGY
- DEVELOPMENT AND SUSTAINABILITY
- PATHOLOGICAL DIAGNOSTICS IN WILDLIFE
- HUMAN DIMENSIONS IN CONSERVATION MEDICINE
- ECOPHYSIOLOGY IN A CHANGING WORLD
- TOPICS IN ECOLOGY
- CONSERVATION GENETICS
- STABLE ISOTOPES IN WILDLIFE
- WILDLIFE EPIDEMIOLOGY
- CLIMATE CHANGE ADAPTATION





12 Requirements

- Documents must be attached to the Application Form.
- Birth Certificate.
- Historical grades record (for their latest academic grade).
- Curriculum Vitae.
- Two recommendation letters.
- Photocopy of ID on both sides or passport for foreign students.
- Photocopy of Professional Title or Academic Grade legalized by public notary (Apostille for foreign students).
- Students that comply with the application requirements will have a personal interview (through videoconference for foreigners) and an admission exam.

APPLICATIONS

From August 15 to October 14, 2022.

The application process will be online.
Documentation must be sent to:

ana.torres@unab.cl
Miss Ana Torres
Postgraduate Administrative Secretary

INFORMATION

Dr. Claudio Azat

Director
PhD in Conservation Medicine
claudio.azat@unab.cl



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Scholarships and funds

Universidad Andrés Bello (UNAB) counts with different scholarships for PhD students.

Fee scholarship

The Program contemplates granting to accepted students in a doctoral program, either a partial or full exemption of annual fees. This scholarship must be personally requested to the program Director. The scholarship coverage will be evaluated by the program and must be renewed annually.

Academic assistance

Academic assistance is a monthly fee for the time of completion of the PhD. This assignment must be renewed annually and may extend for up to 9 semesters (4.5 years). To receive this benefit the student must have its enrollment for the current academic year.

Requisites

Be a regular student of a UNAB PhD program. To be at the 4th year of studies in the Program as maximum. Do not have any type of financing for similar or equivalent amounts, either by a contract, scholarship benefit or project payment.

For programs accredited by the CNA, it is mandatory to apply to the ANID scholarship for PhD studies in Chile, and the application must be admissible. Applications that have not been admitted by ANID Scholarship, will not be accepted. The proof of application to ANID must be attached to the form.

External Scholarships

ANID Scholarship

This support seeks to contribute to the increase of the number of researchers and professionals of excellence with high preparation in all areas of knowledge for the development of Chile and its active participation in the globalized world. Furthermore, to increase the number of doctors of excellence executing efficient processes and generate public data.



Doctorado en Medicina
de la Conservación

