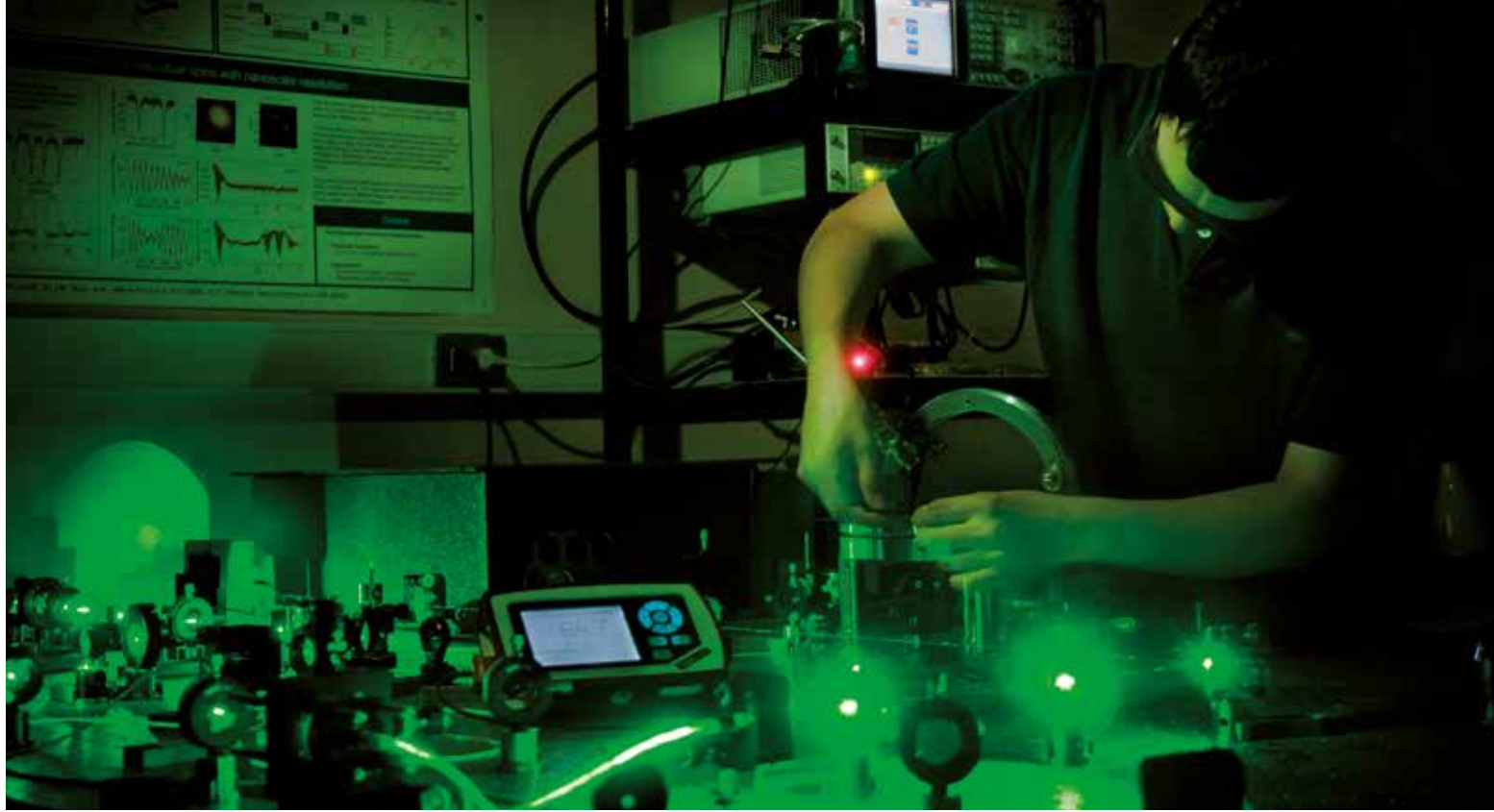




Creation and transfer of frontier knowledge
Network of Regional Centers and Stations
Graduate School **RESEARCH
AND CREATION**



RESEARCH AND CREATION

Research and creation in all its forms and its transfer to society is an essential part of our university work. It is through this task that the university contributes to culture and to the resolution of urgent and complex problems of society. Doctoral training contributes to multiplying the university's contribution through other institutions and the productive capacity of the country.

Research should be part of the identity of our university training, which should be nurtured through close contact with society, including the private and public sectors, the articulation of global networks and throughout the territory, and should be reflected in an effective transfer of knowledge generated both in the country and from Chile to the world.

While it is true that much progress has been made in recent years in collaborative and interdisciplinary research and innovation, basic disciplinary research is and will continue to be a solid foundation underpinning these recent advances.

“A big challenge is to conduct research that makes public sense”.

University Superior Council Day

Creation and transfer of frontier knowledge

As part of its mission, the Universidad Católica seeks to be a relevant actor in the creation and transfer of frontier knowledge, which allows it to contribute to the solution of large and complex problems of society. The university's important advances in this field have been sustained, in recent years, by a much more diversified research and creative activity in the different fields of the sciences, humanities and the arts. This is reflected in its participation in a wide range of national funds, especially FONDECYT and FONDEF projects.

In addition, it should be noted that the UC participates in 22 Centers of Excellence and has secured private and international resources to finance projects, which has allowed it, among other things, to develop a Network of Regional Centers and Stations.

For the next five years, the challenge is to seek new forms of financing, either through donations and private funds or by increasing access to international funds and networks, given the stagnation of public financing. Substantial progress must also be made in the development of the postdoctoral profession, together with a regulatory and management system that will allow its growth and expansion.

In transfer and innovation, the university is the leader in patent applications in Chile and has been awarded for its progress in technology transfer, innovation and entrepreneurship. To continue

“It is essential to promote science outreach, to disseminate and educate in science”.

University Superior Council Day

“Today's problems are increasingly complex and require interdisciplinarity”.

La UC Dialoga / 2020

advancing, greater integration from research to transfer is required, optimizing management and facilitating the work with academic units, in a more efficient and agile way.

In addition, we aspire to be a national reference in the dissemination and valuation of science, humanities and arts, and knowledge in all its fields. To accomplish this, the creation of a unit for scientific dissemination and education within the Office of the Vice President for Research will bring the university's research work closer to society. This new structure should also support and nurture the study plans and strengthen the capacities for dissemination and communication of science of master's and doctoral students, as well as the academic staff.

DEEPENING THE UNIVERSITY'S RESEARCH WORK

OBJECTIVE / 1
Research and creation:
objectives and actions

- / Promoting interdisciplinarity and sustainability for the great challenges in research and creation, fostering the development of centers of excellence and being active in contributions to public policies.
- / Implementing strategies for financing research and creation through an active search for international and private funds and donations, which will allow us to promote their growth, as well as their linkage and impact on society.
- / Creating a structure within the Office of the Vice President for Research for the dissemination and education of science to reach all citizens, bringing closer the work developed by the university in its public commitment.

STRENGTHENING THE NETWORK OF REGIONAL CENTERS AND STATIONS (RCER) AS A GATEWAY TO THE TERRITORY AND TO INTERNATIONAL RESEARCH LINKED TO OUR UNIVERSITY

OBJECTIVE / 2
Research and creation:
objectives and actions

- / Installing, making visible and strengthening the RCER within the UC, increasing the participation of the faculties and incorporating artistic creation and humanities, in order to highlight the potential that this network offers as an integrated platform.
- / Defining a management model based on different sources of financing, in order to provide economic sustainability over time.
- / Developing a broad strategic linkage, through the definition and implementation of a plan to incorporate national and international strategic partners.

Network of Regional Centers and Stations

In the coming years, we expect that the Network of Regional Centers and Stations (RCER-UC) to have a sustainable management model that allows effective linkages with national and foreign partners. This platform, together with the timely and systematic identification of international funds and the strengthening of strategic networks, should facilitate the development of international projects.

In addition, we expect to form a network of Networks of Territorial Centers and Stations along the Pacific, which will allow frontier research to be carried out at all latitudes.

“The presence of research in the territory opens us to the communities, allows us to deliver direct knowledge to the regions and is a pole of international attraction”.

University Superior Council Day





OBJECTIVE / 4
Research and creation:
objectives and actions

PROMOTING THE TRAINING OF PHD GRADUATES CAPABLE OF ENTERING THE PUBLIC AND PRIVATE SECTORS, THROUGH AN INNOVATIVE PHD PROGRAMS MODEL WITH INDUSTRY AND THE PUBLIC SECTOR

- / Promoting the vocation of public service, care for others and ethical conduct as the cornerstones of UC doctoral training, strengthening training in public policy and the dissemination and education of science, the humanities and the arts.
- / Implementing an expanded doctoral model with the industry and the public sector in the technological, scientific, health, and social fields.
- / Strengthening the transversal skills program in the different areas of knowledge, enhancing insertion in the private and public sector.

“It is essential to link research to society, to industry”

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Graduate School

As a result of the greater complexity of the research carried out at the university and its doctoral training, in recent years important changes have been implemented in its institutional framework and in the support and management structures in this area. The university promoted the creation of the College of Doctoral Programs, which gave rise to the Graduate School, whose purpose is to strengthen and develop doctoral training at the UC. The aim is to establish the basis for strengthening interdisciplinarity and cooperation between different academic units.

There is no doubt that the university has made substantial progress in the area of its PhD programs, focusing, among other things, on the students' experience and enriching their training and labor insertion. The creation of the Graduate School is an important milestone in this effort and we hope that in the coming years it will be fully established and will allow us, together with the academic units, to take important steps in the development of this activity.

OBJECTIVE / 3
Research and creation:
objectives and actions

CONSOLIDATING THE ESTABLISHMENT OF THE GRADUATE SCHOOL FOR THE STRATEGIC DEVELOPMENT OF ADVANCED TRAINING OF RESEARCHERS IN THE SERVICE OF A BETTER SOCIETY

- / Completing the installation of the Graduate School and implementing a doctoral management model based on broad areas of knowledge, strengthening the role of the Advisory Council.
- / Enhancing the training experience of UC doctoral students, strengthening access to interdisciplinary research infrastructure of territorial scope.
- / Reducing the barriers for attracting international talent to the UC PhD programs, emphasizing positioning actions in the Asia-Pacific region and Africa.



On the other hand, one of the main objectives of the Graduate School is to position the UC as a leading institution in Latin America in the advanced training of researchers, capable of addressing global challenges from an interdisciplinary and innovative perspective, committed to knowledge and the development of an equitable, inclusive and sustainable society. To do so, it is essential that the UC becomes a pole of attraction for talent throughout the region and that it attracts the resources for its development.

It is important to recognize that the training of advanced human capital in Chile faces great new challenges. On the one hand, the increase in the supply of programs and the limited state funding is compounded by the difficulties to develop an academic career in the country. This goes hand in hand with the recent awareness and need to incorporate more PhDs into the public and private sector in Chile. To face these challenges in a comprehensive manner, it is necessary for the programs to have institutional support and focus. This effort should take advantage of the strengths that the UC has in terms of enhancing existing links with the public and private sector, which allow strengthening these programs and attract talent and resources for doctoral training.