

2019 ANNUAL REPORT



UNICAMP INOVA INNOVATION AGENCY

ACTIVITY REPORT

State University of Campinas

University Dean

Prof. Dr. Marcelo Knobel

General Coordinator of the University

Profª Drª Teresa Dib Zambon Atvars

University Development Dean

Prof. Francisco de Assis Magalhães Gomes Neto

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Profª Drª Nancy Lopes Garcia

Chief of Staff

Prof. Dr. José Antonio Rocha Gontijo

Adjunct Chief of Staff

Profª Drª Shirlei Maria Recco Pimentel

Unicamp Inova Innovation Agency Activity Report

Implementation

Agência de Inovação Inova Unicamp

CEO

Prof. Dr. Newton C. Frateschi

Director of Partnerships

Iara Regina da Silva Ferreira

Director of the Unicamp Scientific and Technological Park

Dr. Eduardo Gurgel do Amaral

Director of Intellectual Property

Raquel Moutinho Barbosa

Director of Institutional Relations

Vanessa Sensato

Graphic Design and Layout

Villea Marketing

Photos

Douglas Bánfalvi
Gabriela Neves
Kátia Kishi
Lucas Sousa
Marina Moura
Pedro Oleski Amatuzzi
Rafael Tage Biaggio
Renato Cantatore
Renato Rufino
Thais Oliveira
Thomaz Marostegan

Writing

Kátia Kishi
Marina Moura
Thais Oliveira
Vanessa Sensato

Journalist in Charge/Project Coordination

Vanessa Sensato
MTB 05046-DRT/PR

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New Head Office



FOREWORD OF THE CEO

2019 was effervescent at Inova: a year of achievements and hard work. A year dedicated to creativity, improvement and, in some cases, to the total remodeling of how we work and envision the impact of this work.

One of the hallmarks of this management, and especially this year, is the search for digital processes, which provide transparency to our results and facilitate interaction with our customers, be they teachers, students, employees, or companies, who seek us as gateway to interaction with Unicamp.

In this context, in the area of Partnerships with the business sector, the implementation of the Project Communication System has achieved great acceptance by our community. Implemented in early 2019, the system received 90 communications during the year and its implementation enabled us to measure and monitor, more effectively, our average time in the process of advising the researcher with all contractual documentation for the formatting of a research partnership. Currently, this period is 60 days, with most of the time spent in the process with partner companies. This demonstrates our efficiency and improves the establishment of partnerships with greater legal certainty and a positive return to the University and its researchers.

In the area of Intellectual Property, in 2019 we completely redesigned our processes from the communication of invention to the guidance for protection. This redesign led to several system improvements, automation, processes and strategies focused on excellence in quality

and efficiency. We have implemented a computerized, transparent and efficient system for handling the entire process. Among the results, we zeroed out the order queue for computer programs and, today, we have total control over our deadlines, with the average time expected between communication of invention and deposit being 14 weeks. Furthermore, information management strengthened the institution, making it more protected.

However, the most important change in the area of Intellectual Property is to consider patenting as a possible tool for a new business linked to university technology. In other words, Inova specialists in partnership with Unicamp researchers analyze the technology using criteria that go beyond patentability, extrapolating the analysis to multidisciplinary criteria, such as market interest in absorbing know-how, degree of technology innovation in the market, potential spin-off creation, among others.



We now seek to strengthen the new Inova methodology and the new positioning of Unicamp's technologies, which aim to have a greater engagement of inventors and to conduct a more robust assessment of licensing possibilities for companies already established or for the creation of new companies, consolidating our entrepreneurial vein. This same methodology will be used to evaluate our portfolio of current patents and support strategic actions involving the intellectual and financial capital of our University. Thus, we believe we leverage the real impact of Unicamp's knowledge for society.

The Scientific and Technological Park, which includes our incubator Incamp, had its solidification as a place for entrepreneurship in Unicamp. Incamp received certification as a "Reference Center for Support for New Enterprises (Cerne)," granted by ANPROTEC and Sebrae, which includes us in a select group of environments for the real promotion of entrepreneurship. In terms of the Park's infrastructure, we completed the renovation of the Incamp auditorium, the building of the Laboratory of Innovation in Biofuels (LIB), expanded the Vértice, and we are in the final phase of completing a new building with the availability of 1,245.73 m² to house more companies. A new environment already at Fazenda Argentina is also being completed to provide shared workspace and house new innovative companies.

Regarding events for promotion, valuation and education in innovation and entrepreneurship, 2019 was a year of records. Inova Youth had 681 participants in 173 teams. This year, we modified the program for this event to assign much more value to business modeling education.

Also, thinking of more focus and real social impact, we restricted business proposals to five of the United Nations' Sustainable Development Goals (SDGs). In this program's workshop, we focused on mentoring, which was also carried out online. The program's success became crystal clear when considering the level of the finalist proposals presented at the InovaCampinas Trade Show.

The Unicamp Challenge also achieved a record of participation with more than 400 people in the Workshop and a total of 105 teams formed. This year we also had a partnership with CPqD including some technologies from this institution, in addition to Unicamp technologies available to the teams. In other words, the Unicamp Challenge goes beyond Unicamp's walls and begins to embrace its ecosystem partners. Finally, it is important to mention that the Unicamp Challenge received the award for best action in entrepreneurship granted by the Brazilian Confederation of Junior Companies in its ranking of entrepreneurial universities.

The Inventors Award followed the 2018 format, being an element of great impact on the acknowledgement of Unicamp players engaged in innovation and entrepreneurship. We published the journal describing the work of all our winners. A novelty this year was that, in addition to the already traditional types of awards, we included the category of people who contributed to the creation of new companies: Creation of Spin-Off. This edition included a compendium of entrepreneurship courses in the university, showing Unicamp's strength in this area.

Finally, we held events related to Afro-entrepreneurship, as part of the agreement established between Unicamp and Faculdade Zumbi dos Palmares executed by Inova. Together with the Campinas Inovadora Forum Foundation and the Municipal Government of Campinas, we proposed and organized the Campinas Innovation Festival event that populated the city with events to promote innovation, entrepreneurship and creativity. Within this context, we held events related to food technology, senior entrepreneurship, colloquia in the area of innovation policy and our meeting with Unicamp Ventures, the group of our subsidiaries. Regarding this last aspect, we highlight the impressive numbers of these companies that demonstrate Unicamp's position as a promoter and creator of an innovative ecosystem. There are 717 active companies, 31,000 jobs with revenues of 7.9 billion reais. It is noted that almost 80% of these are in the state of São Paulo, of which 60% in the Metropolitan Area of Campinas.

Completing this year of so many achievements, a great effort was made to bring the Innovation Policy proposal to the whole community. We held several lectures in different congregations, in sectoral meetings, in ADUNICAMP and we also produced four videos informing about the items of the proposal. As a result, we had our Innovation Policy approved by the University Board. This is a milestone to increasingly sediment and foster innovation actions of the University in a safe and planned manner.

Closing our year, after much preparation work and reforms in 2019, even going into 2020, Inova moved to its new headquarters in the former Fazenda Argentina. Inova becomes the pioneer of this new frontier of Unicamp in a beautiful space where bucolic and modern elements combine to nourish creativity, foster partnerships and project us to better accomplish our mission.

Once again, we believe that our achievements contribute to maintaining Inova and Unicamp as a benchmark for Technological Innovation Centers in Brazil and worldwide. I thank the whole team, the rector and the partners for their support. Let's go together in 2020 to continue establishing Inova as a driving force for the transformation of knowledge into sustainable socio-economic growth.

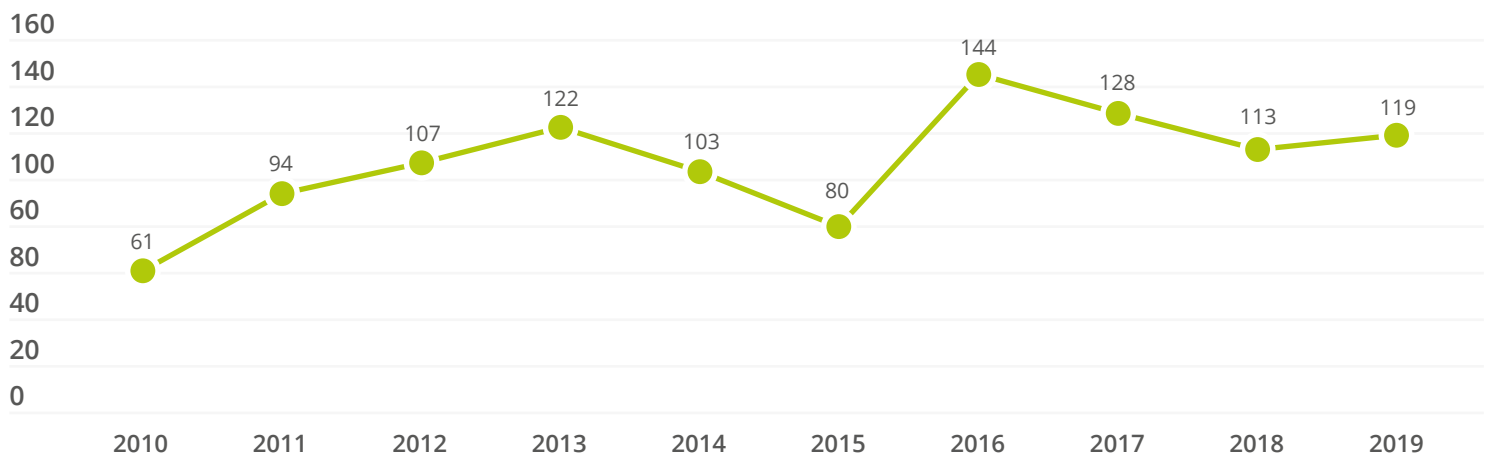


Prof. Dr. Newton C. Frateschi
CEO

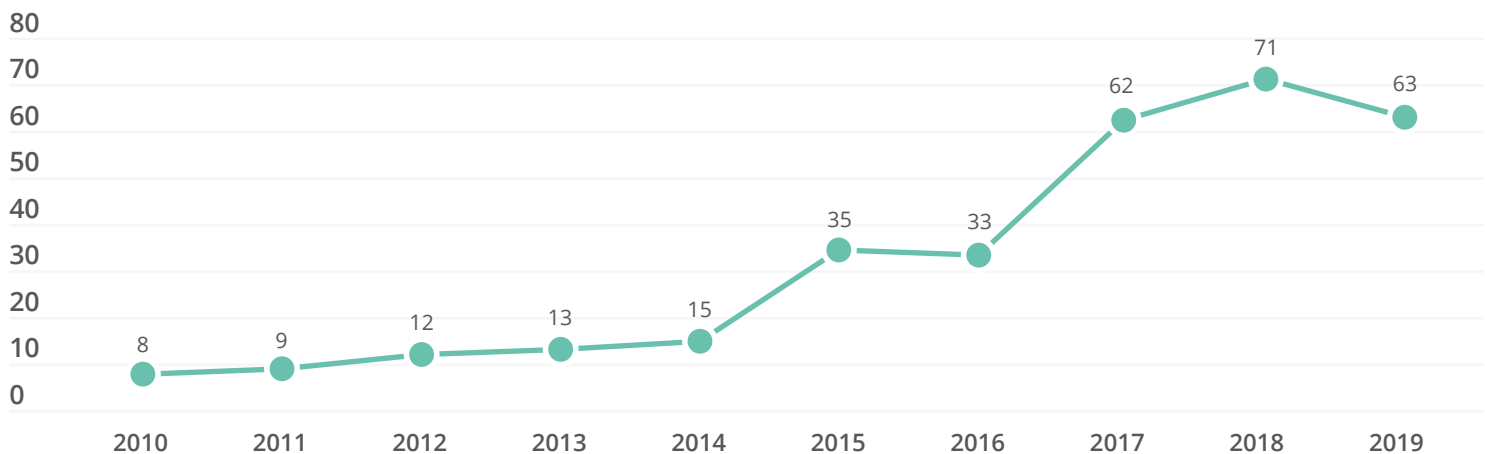
PERFORMANCE INDICATORS

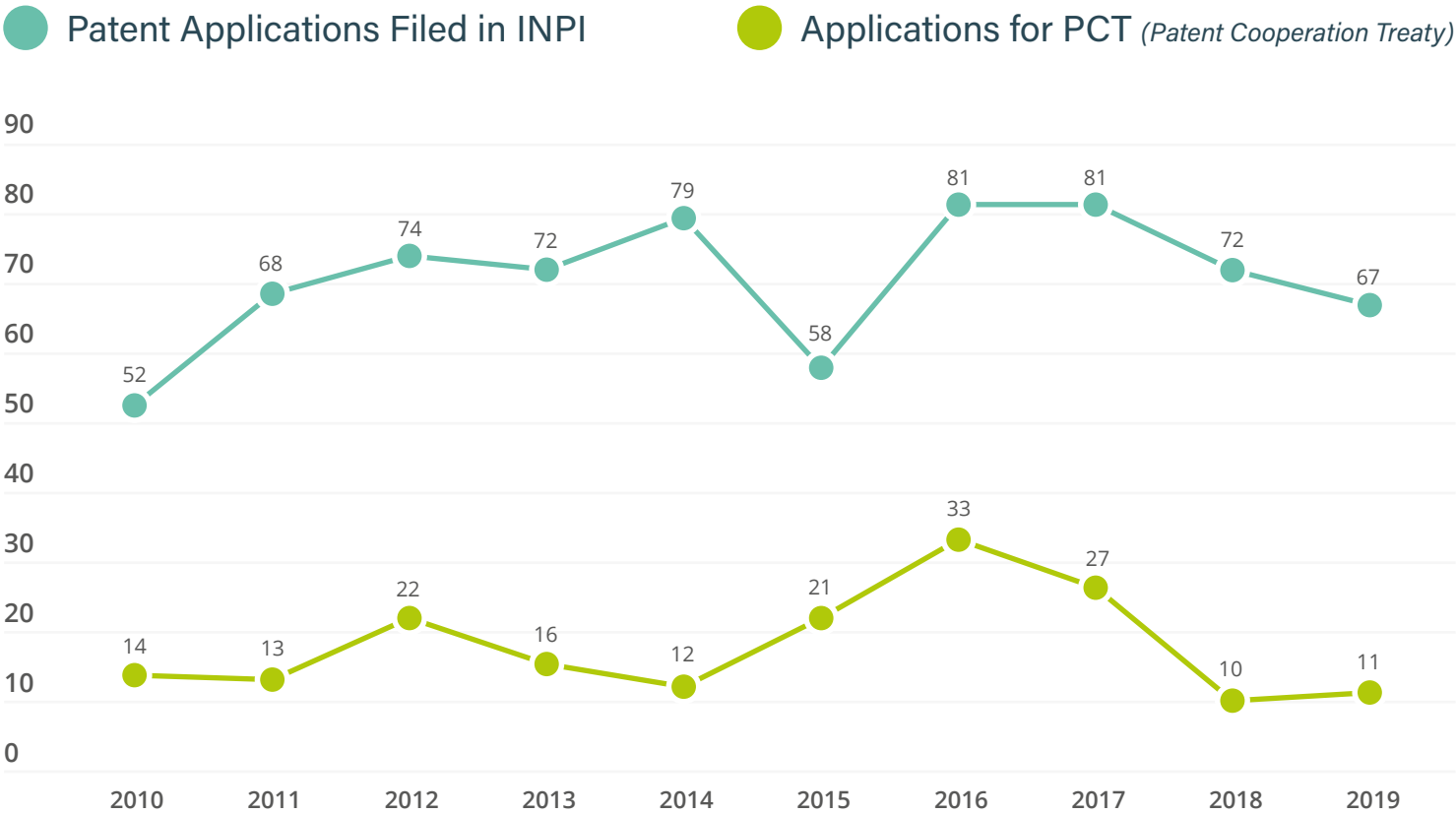
Intellectual Property

Communication of Invention

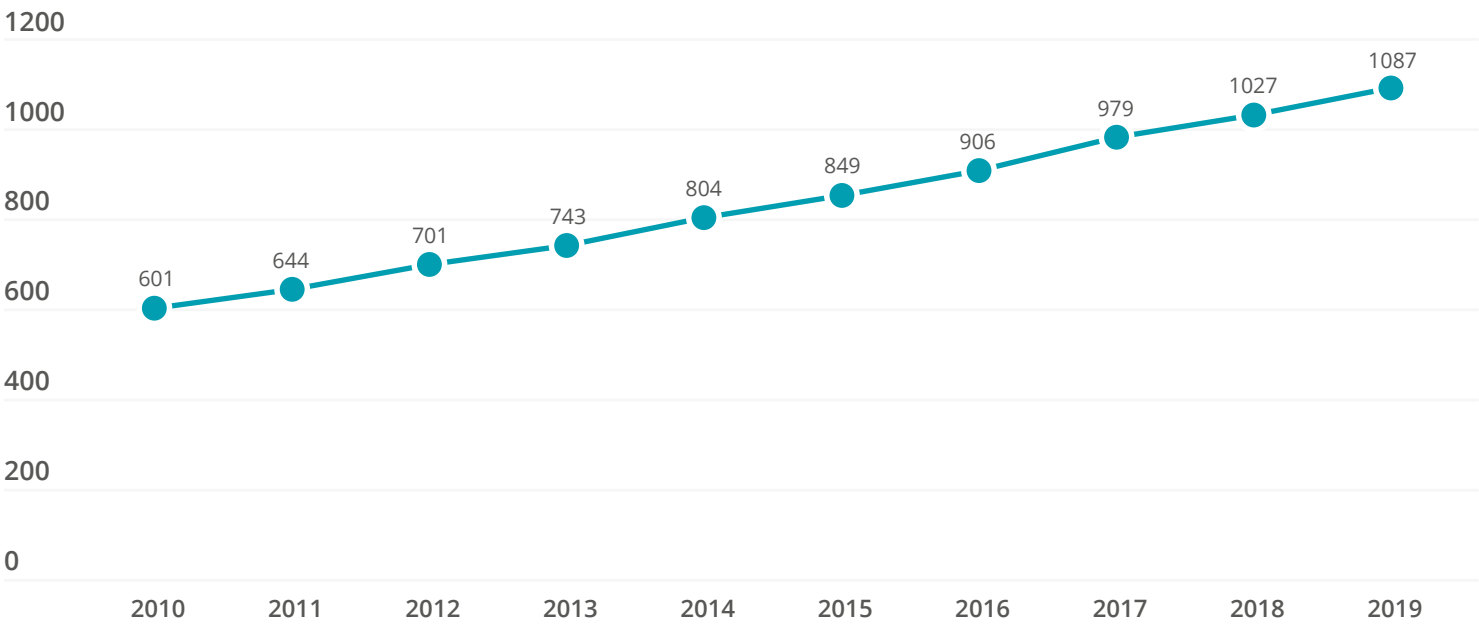


Patents Granted



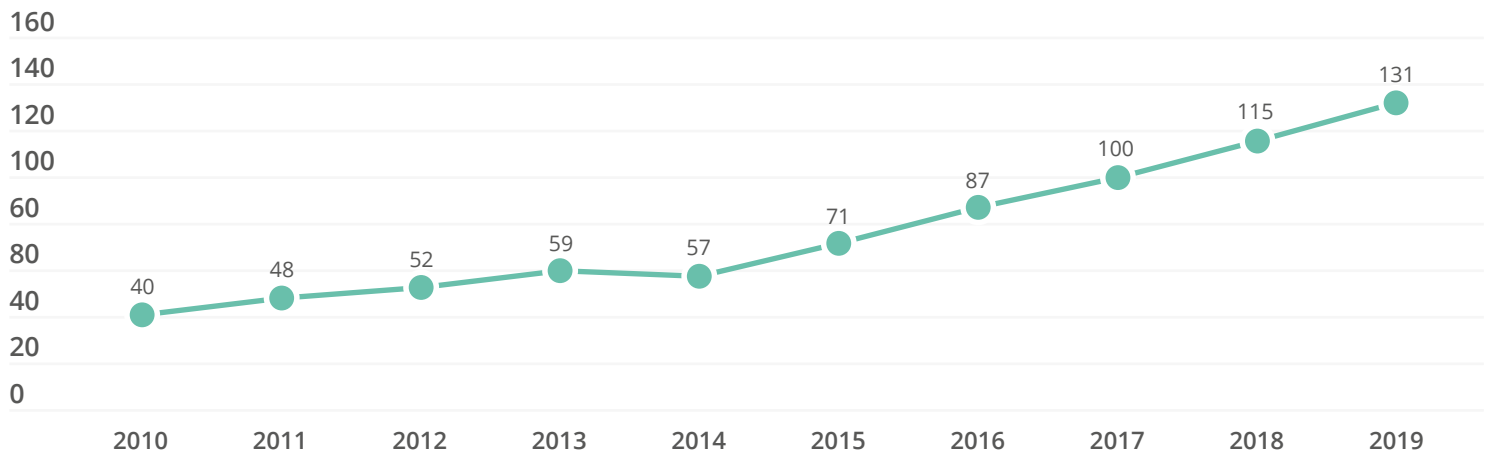


Portfolio of Patents

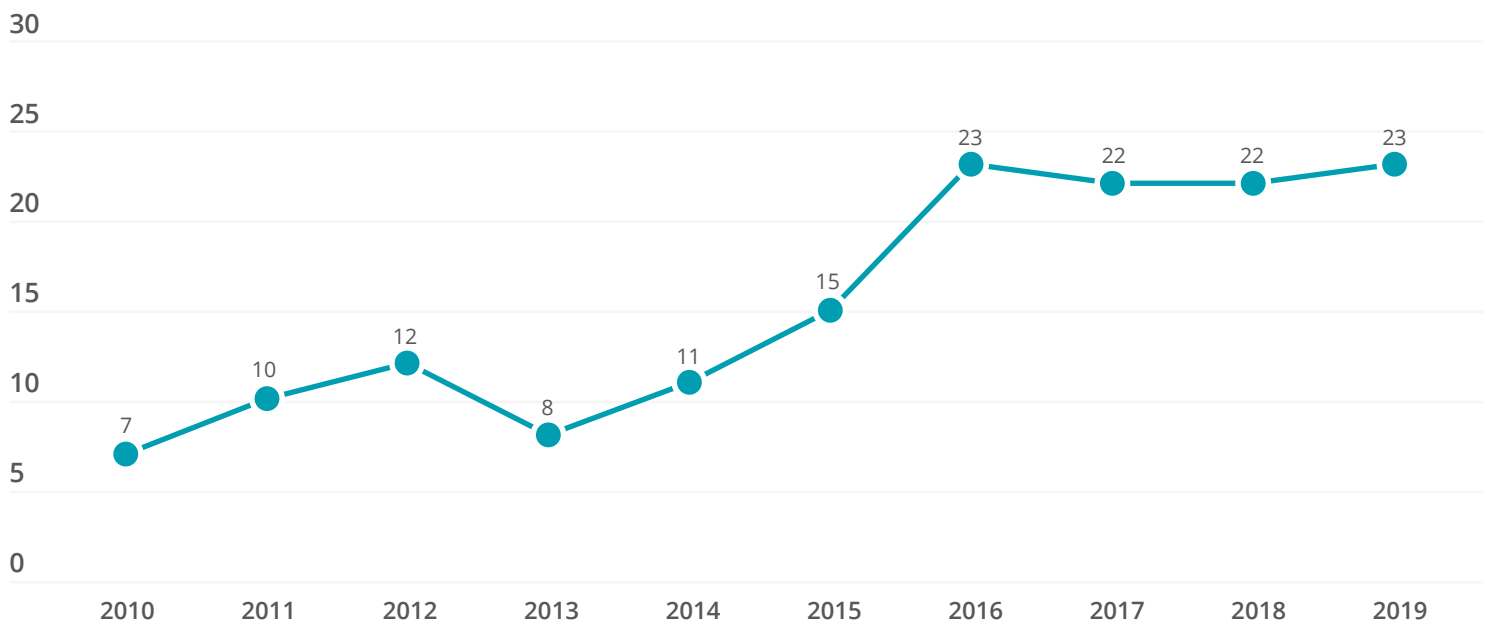


Intellectual Property Licensing

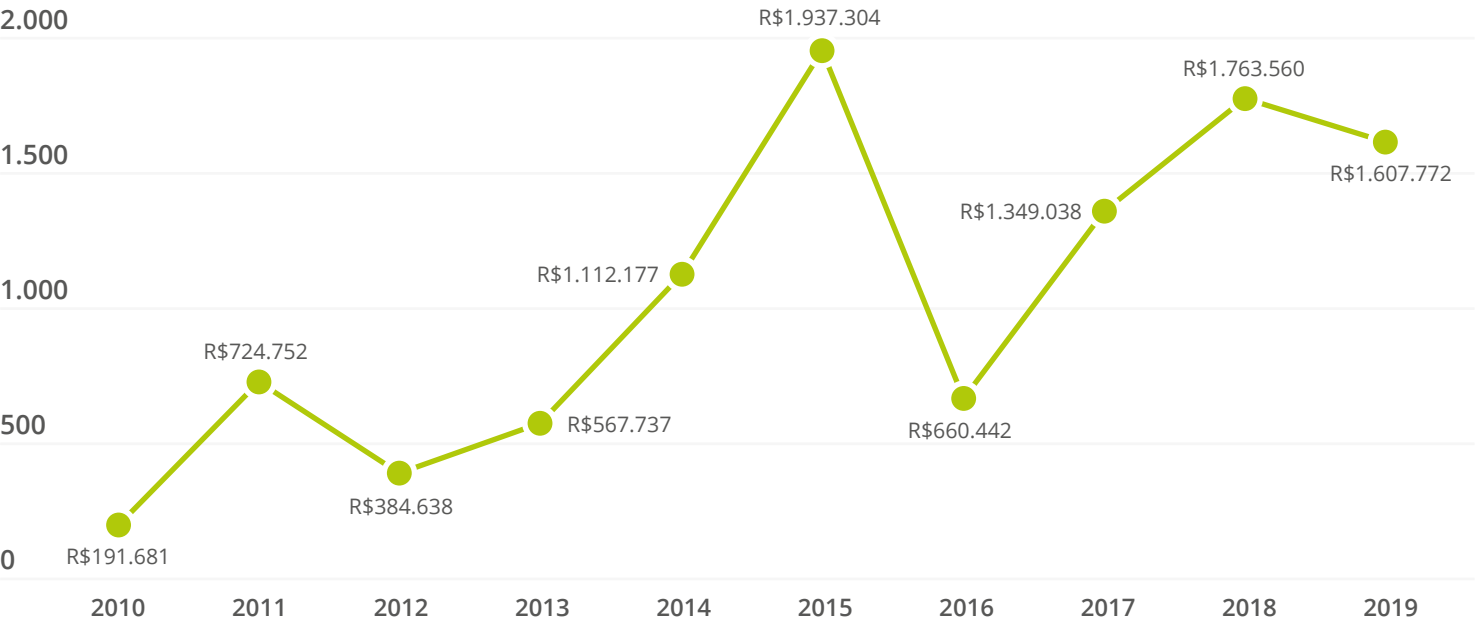
Current Intellectual Property Licensing



Intellectual Property Licensing Contracts (signed this year)

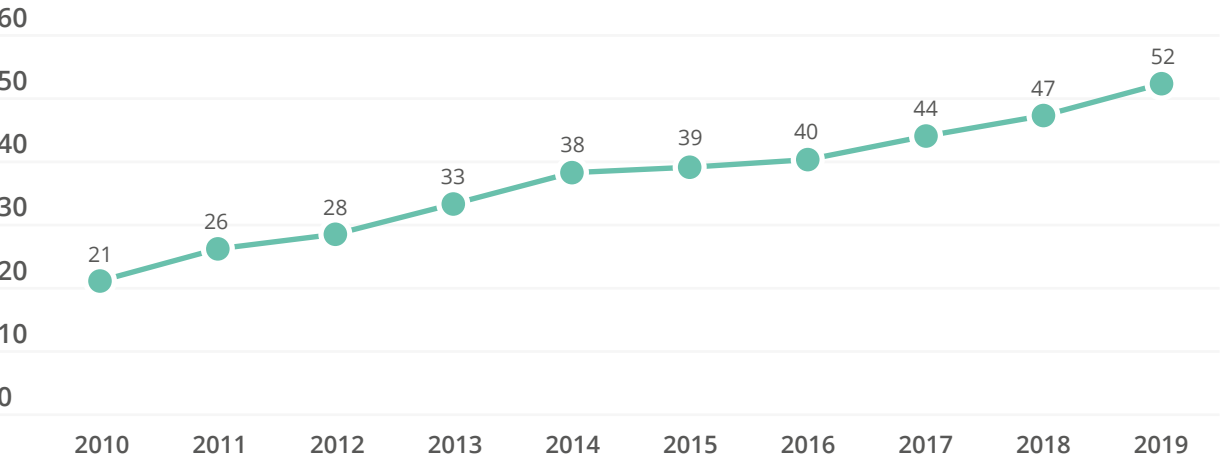


Economic Gains (includes royalties)



Entrepreneurship

Companies Graduated from Incamp (cumulative)



An abstract graphic on a dark blue background. It features a dense cluster of small yellow stars in the upper right quadrant. Two thin, curved lines, one white and one yellow, sweep across the frame, intersecting the star cluster. The white line starts from the top left and curves towards the bottom right. The yellow line starts from the top right and curves towards the bottom left.

PARTNERSHIP WITH THE **BUSINESS SECTOR**

Innovation Policy

In November 2019, the University Board approved the Innovation Policy of the State University of Campinas. The document aims to establish the principles and guidelines on the University's relationship with the business and public sectors, with regard to the protection of Intellectual Property, the Transfer of Technologies developed at the University, the sharing of laboratories and equipment, Unicamp's Scientific and Technological Park, among other subjects.

According to Professor Newton Frateschi, CEO of the Unicamp Inova Innovation Agency and leader of the Working Group that prepared the document, the approval of the Innovation Policy is a major step and expands the vision on the University's role as an important player in socioeconomic development through new knowledge-based businesses.

“Until then, we had an Intellectual Property Policy that, even according to its name, supported a restrictive view on Unicamp’s participation as to its impact on the development of a knowledge-based socioeconomic ecosystem. The focus was on patenting the results of research projects. With the Innovation Policy, we not only update ourselves in relation to the Federal and State Legal Framework, but also reinforce our stance of university that proactively fosters the creation of new technology-based companies and new businesses in companies already established,” says Frateschi.

Unicamp's Innovation Policy is a document that covers several topics related to innovation and entrepreneurship in the University. Frateschi points out that its approval provides professors and researchers who are involved in innovation and entrepreneurship activities with more legal certainty, ensuring that the University can also appropriate the results of their work.

The Policy formalizes the Unicamp Inova Innovation Agency as the only Technological Innovation Center of Unicamp, with the competence to not only manage the University's Intellectual Property, but also to negotiate research agreements and contracts, in addition to managing the Incamp (Unicamp's Incubator of Technology-Based Companies) and Unicamp's Scientific and Technological Park, environments focused on university-company interaction. Furthermore, the document normalizes Inova's participation in the negotiation of research, development and innovation projects involving the business sector, in addition to technology transfer contracts. As one of the preparations to adapt to the new policy, Inova launched, last year, a Research Project Communication system, in order to monitor new projects and assist professors and researchers in negotiations with the business sector.



Prof. Nelson Durán Caballero e Prof. Wagner José Fávaro

The months leading up to the approval of the Innovation Policy included several discussions with the university community. As a result of the discussions, the original draft of the document also included the principles for coordinating Unicamp's role as to the solidarity economy and the research and innovation for the production of public policies. These negotiations led to the constitution of a Working Group to develop mechanisms to foster its implementation and monitor these issues. The full version of the innovation policy is available at: www.inova.unicamp.br/legislacao

A series of four videos was produced by Unicamp Inova, in which Professor Newton Frateschi comments on the points of the policy. The videos can be accessed through the Inova channel on [YouTube](#) or by clicking [HERE](#).



Video 1: What is the objective of Unicamp's Innovation Policy?

The first video in the series explains the importance of the Policy to regulate actions of the Unicamp community in the areas of innovation and entrepreneurship, so the community has legal certainty to further expand Unicamp's impact on society through its contribution in these sectors. The video explains how Unicamp went from an Intellectual Property Policy to a broader Innovation Policy that regulates the entire innovation process, including more complex issues and actions.



Video 2: What is Unicamp Inova's role in the University?

The second video explains Unicamp Inova's responsibilities in promoting an entrepreneurial culture and fostering the creation of new companies, its intermediary role in partnerships between companies, professors and researchers and in technology transfer processes. In addition, it addresses the Agency's role as to the protection of intellectual property in the University.

Video 3: Laboratory sharing and innovation fostering grants

This video deals with the regularization of laboratory sharing and the payment of grants to foster innovation. The Innovation Policy regulates the sharing activity and even provides for remuneration to the laboratory. It is established that this activity also cannot affect the laboratory's teaching, research and extension mission. The Policy also allows companies to remunerate professors involved in activities through the innovation fostering grant, resulting in a better use of research resources.

Video 4: Technology Offer and professor and researcher leave for creation of companies

The last video addresses the possibility that professors and researchers create companies. To make these companies viable, professors and researchers are allowed to take a leave without pay to dedicate themselves to constituting a technology-based company, with the objective of developing their own technology. It also authorizes the signing of contracts for licensing know-how or technologies owned by Unicamp for companies whose partners are civil servants.





53

R&D agreements
signed with
companies in 2019

TOTAL AMOUNT

R\$ 133.496.706,19

In early 2019, the business sector's interest in establishing Research and Development (R&D) projects with Unicamp received a new online communication channel, available at the Inova website, which streamlined the processing of agreements.

Through this system, Inova received in the year 90 project communications, of which 52 to sign R&D agreements (of these, 4 are PIPE FAPESP projects), 15 terms of confidentiality and other 23 with varied subjects. Unicamp ended 2019 with 53 research agreements.

Unicamp ended 2019 with 53 research agreements signed with the business sector, in the total amount of R\$ 133,496,706.19. As for technology transfer, in 2019 Inova made 261 proactive technology offers to the business sector, which resulted in 23 licensing contracts signed in 2019, totaling 131 active contracts and economic gains of R\$ 1.6 million.

Entourage and Unicamp:

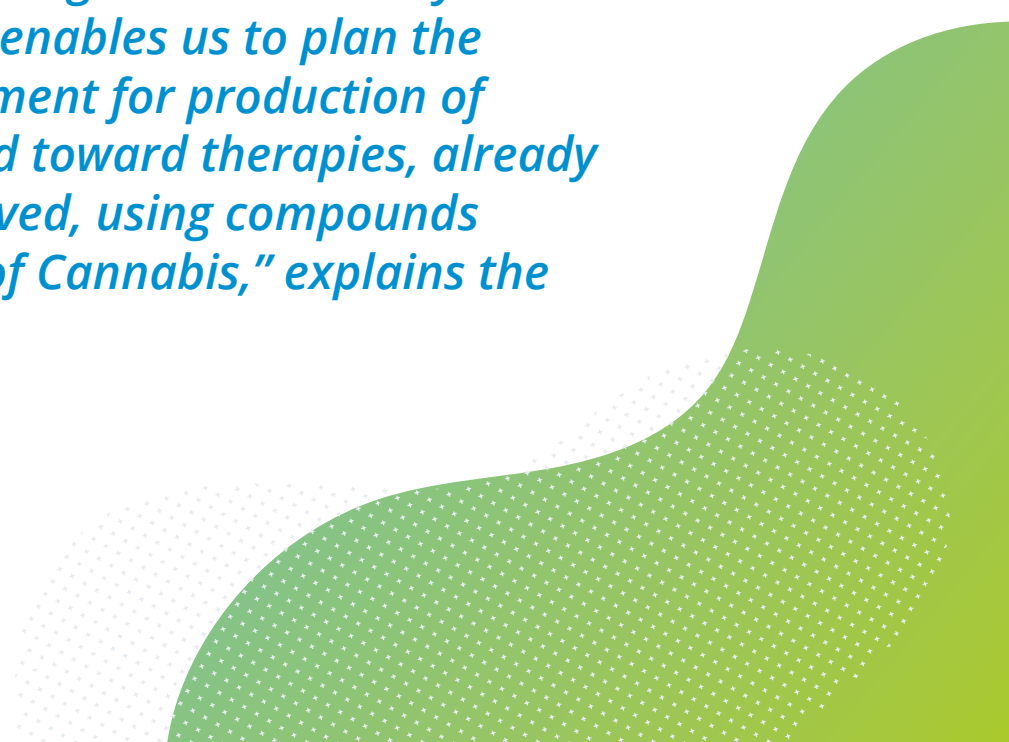
R&D partnership focuses on identifying and analyzing the **characteristics** of varieties of *Cannabis* for therapeutic purposes

With a history of successful Research and Development (R&D) and technology transfer partnership between Entourage Phytolab and Unicamp, in 2019 the company signed another R&D agreement with the University focused on the health area.

With a project called “Selection of Genotypes of *Cannabis sativa* L. for the Production of Medicines,” the company seeks to identify and analyze agricultural, genetic and pharmacological characteristics of 240 varieties of *Cannabis sativa* in partnership with Unicamp’s Pluridisciplinary Center for Chemical, Biological and Agricultural Research (CPQBA), in a period of 28 months.

The project coordination is under the responsibility of researcher Ílio Montanari Jr., curator of the collection of medicinal plants and responsible for the field projects of Unicamp’s CPQBA. He explained that the main objective of the project is to map the varieties to identify the most promising genotypes for the production of medicines, being able to preserve them *in vitro*.

*“Characterizing the genetic variability and biodiversity enables us to plan the genetic improvement for production of medicines geared toward therapies, already scientifically proved, using compounds found in plants of *Cannabis*,” explains the researcher.*





Researcher Ílio Montanari Jr. giving interview to EPTV

The activities are expected to begin in 2020, as soon as the CPQBA team obtains the Authorization for Teaching and Research Establishment (AEP) of the project from the National Health Surveillance Agency (Anvisa). With the authorization, the varieties of Cannabis can be grown under strict control, with subsequent analysis for exclusively medicinal and scientific purposes.

The company will invest R\$ 1,333,142.00 for the development of the project, which includes the improvement of the laboratory's infrastructure, such as the renovation of three plant growth chambers, called phytotrons, and the implementation of a security system to guarantee the researchers' restricted access to the research site.

This is one of the requirements of the agreement, which provides for an entry system with biometric identification, double doors and cameras with 24-hour remote monitoring in order to ensure the safety of the research samples.

Long-term partnership

Entourage Phytolab has been one of Unicamp's partner companies since 2015, when it signed a 12-month R&D agreement for implementation of a project called "Obtainment of raw oil from *Cannabis sativa*, rich in cannabidiol," Under responsibility of professor Maria Angela de Almeida Meireles, coordinator of the Laboratory of Supercritical Technology: Extraction, Fractioning and Identification of Plant Extracts (LASE-FI) of Unicamp's Food Engineering School (FEA).


The investment amounted to R\$ 179,715.00 and aimed to develop the supercritical extraction technology for production of rich extract for clinical studies.

In 2017, Unicamp transferred the technology for Entourage to exploit with exclusivity the process of fractioned supercritical extraction for obtainment of active compounds from *Cannabis*, used in the production of medicines.



Caio Santos de Abreu, CEO of Entourage Phytolab

"Entourage and Unicamp already have a history of successful partnerships focused on the field of health. Now, with this new project, we take an important step to develop high-level research in the area of cultivation of medicinal Cannabis for the treatment of diseases such as Dravet Syndrome and others," celebrates Caio Santos de Abreu, CEO of Entourage Phytolab, about the partnership.

An abstract graphic on the left side of the page. It features a teal-colored area filled with a pattern of small white dots. This area is partially enclosed by two thin, white, wavy lines that curve from the top left towards the bottom right. The background of the entire page is a solid dark teal color.

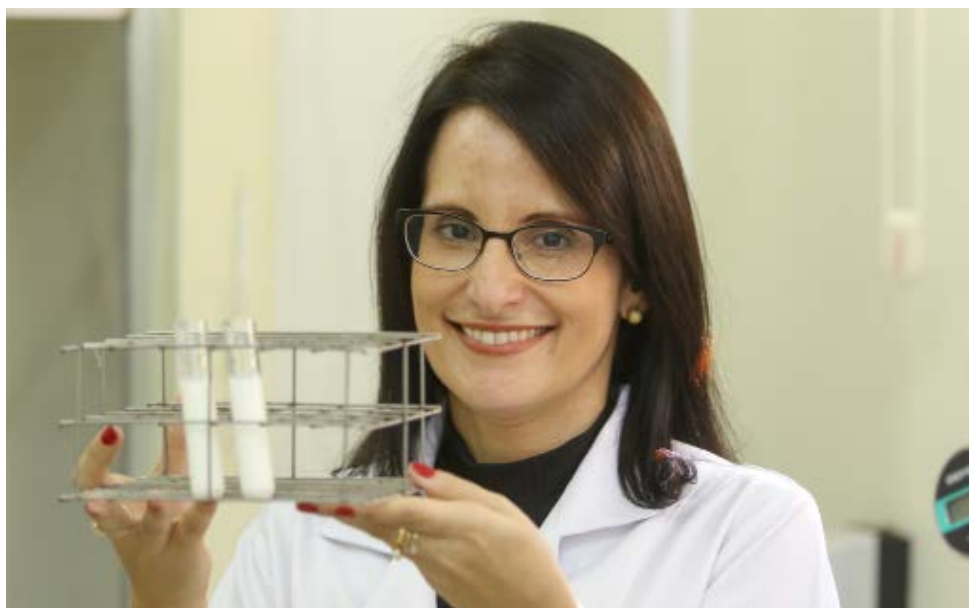
LICENSING 2019

Foods

Technology proposes the development of lipidic nanoparticles for cholesterol reduction for consumption as food supplement and application in foods

Non-exclusive licensing of patent application BR 10 2017 006471 9

The proposed technology involves nanotechnology for the development of lipidic nanoparticles for incorporation of lipophilic bioactive compounds, such as phytosterols. Technological points that deserve to be highlighted: the development and/or enrichment of products with bioactive compounds, such as free phytosterols to reduce cholesterol levels; the chemical stability of lipophilic bioactive compounds; and the incorporated lipophilic compounds that can prevent unwanted physical changes in the products to which they are added. The application of lipidic nanoparticles can be indicated for water- or lipid-based foods, such as margarines, chocolates, biscuit fillings, beverages and dairy products, and as food supplements. Another possible application is in biofilms for fruit coating, using both for enrichment with bioactive compounds and for improvements in the structural properties of the products. In addition, they may have applications in other areas, such as cosmetics and pharmaceuticals, with products that can be developed with food-grade components, with the potential to reduce costs.



Prof. Ana Paula Badan Ribeiro



Researchers



Unit



Licensed Company



Prof. Maria Helena Andrade Santana and Prof. Ana Paula Badan Ribeiro and Dr. Valéria da Silva Santos



Chemical Engineering School (FEQ) and Food Engineering School (FEA)

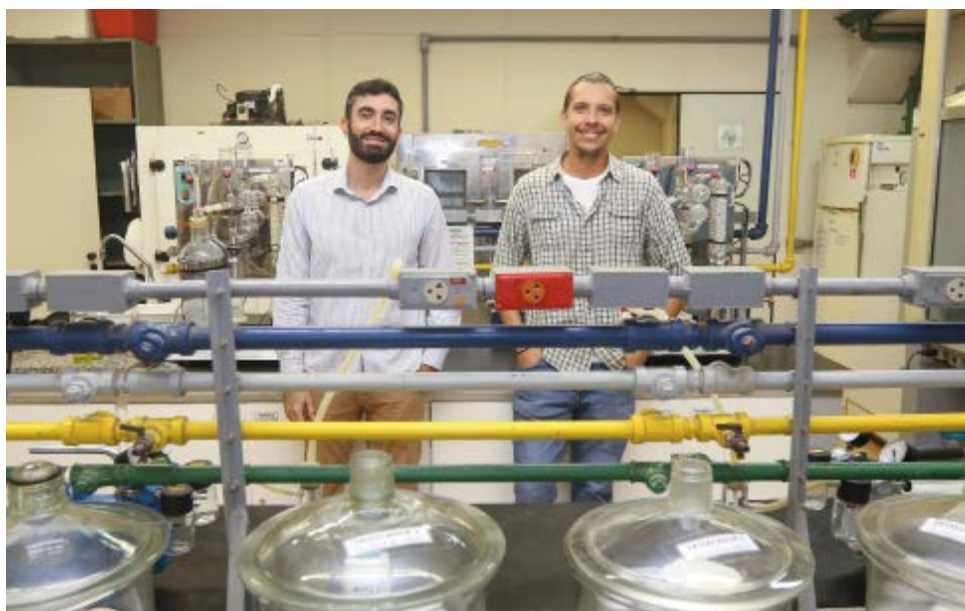


Cognita Technology

Chemistry and the Environment

Compact and affordable unit for sewage treatment system

Exclusive licensing of patent BR 10 2018 075621 4



Francisco José Peña y Lillo Madrid e Marcelo Mareco da Silva Marques

The system is a compact unit for sewage treatment. Built in a PVC container measuring 1 m³ in internal diameter, it enables sewage filtering by combining bacterial mass with degradation by earthworms. This results in a high-efficiency treatment to remove organic matter from sewage, with formation of humus and production of water with potential for reuse. The technology is simple to install and operate and has capacity to treat 1,000 liters of sewage per day per module.



Prof. Adriano Luiz Tonetti (Unicamp FEC); Francisco José Peña y Lillo Madrid (FEC graduate student); Marcelo Mareco da Silva Marques and Matheus Caruso Parizotto (MarquesParizotto Engenharia S/S)



Civil Engineering School (FEC)



MarquesParizotto Engenharia S/S

Flexible, edible and biodegradable plastic

Non-exclusive licensing of patent PI 0901408-0 A2

The technology refers to a biodegradable and edible plastic developed through an extrusion process followed by blowing. Mostly produced from starch, the bioplastic - which was produced in the form of flexible film - can be applied in several fields of the industry, such as disposables, cosmetic products and even food. The technology is non-toxic and constitutes an alternative for environment-polluting plastics.



Dra. Farayde Matta Fakhouri, Prof. Lucia Helena Inoocentini Mei,
Prof. Fernanda Paula Collares Queiroz



Chemical Engineering School (FEQ) and Food Engineering School (FEA)



Attomo Polímeros Indústria e Comércio EIRELI



Prof. Lucia Helena Inoocentini Mei

Synthetic alternative for obtaining spilanthol, a natural product known as “topical botox”

Non-exclusive licensing of patent application BR 10 2016 017871 1



Prof. Julio Cezar Pastre

The proposed synthesis enables increased supply of spilanthol by means of a concise, fast, economically viable route and with a higher degree of purity than other methods already published and/or patented. Spilanthol is a bioactive substance with varied applications in the pharmaceutical, personal hygiene and, above all, cosmetics industries, which already uses it in anti-wrinkle creams. Spilanthol has been considered as the topical botox due to its effective action to reduce signs, minimizing aging.



Prof. Julio Cezar Pastre, Isabella Gonçalves Alonso



Institute of Chemistry (IQ)



Danubio M P Carvalho ME

Health and Well-Being

Process enables obtaining three bioactive fractions from *Artemisia annua*

Exclusive licensing of patent application BR 10 2018 077171 0



Profa. Maria Angela de Almeida Meireles Petenate e Soraya El Khatib

The process enables obtaining three bioactive substances from the same amount of raw material, the dried and crushed leaves of *Artemisia annua*. In the extraction process, the raw material is extracted in an intelligent and strategic manner using supercritical technology, which does not use polluting solvents. The process, which is performed at pressures above that of the environment, uses carbon dioxide, that is CO₂; it can also use water or the mixture of CO₂ and water. This extraction obtains

three bioactive fractions with different therapeutic activities, which are relevant to public health. Using them, S Cosméticos do Bem developed dermocosmetic products that should reach the market in the second half of 2020 (with all stocks already sold): a repellent lotion that reduces dermatological impacts, such as allergies and dermatitis; a rejuvenating facial serum with potential healing effect and an anti-acne serum that reduces injuries and has potential for scar reduction.



Prof. Dr. Maria Angela de Almeida Meireles Petenate (professor) Gislaïne Chrystina Nogueira de Faria (Collaborating Researcher) and Soraya El Khatib



Food Engineering School (FEA)



S Cosméticos do Bem (co-owner of the technology)

2019 Highlight: CranFlow Platform is licensed to five institutions

Non-exclusive licensing of software BR 51 2015 000550 2



Prof. Vera Lúcia Gil da Silva Lopes

For the second year in a row, the web software named “CranFlow - Craniofacial anomalies: registration, flow and management” is licensed to institutions interested in being part of the “Brazilian Base of Craniofacial Anomalies” (BBAC). The software registers appointments and the standardized evolutive follow-up of

congenital craniofacial defects, as well as manages genetic laboratory data of registered patients. CranFlow was developed in partnership with the Federal University of Alagoas (Ufal) and won the Abril & Dasa Award for Medical Innovation in the category of Innovation in Genetics in 2019.



Prof. Vera Lúcia Gil da Silva Lopes (Unicamp), Roberta Mazzariol Volpe Aquino (technical support scholar of Fapesp process 2012/51799-6); Prof. Isabella Lopes Monlleó (UFAL)



School of Medical Sciences (FCM) of Unicamp and Federal University of Alagoas (UFAL)



Association for Rehabilitation and Social Integration of Persons with Congenital Craniofacial Malformation of Ceará; Albert Sabin Children Hospital; Joinville Health Department (Prefeito Luiz Gomes Center); Federal University of São Paulo (Unifesp); Porto Alegre Teaching Hospital (Granbio).

3D virtual reality software applied to motor rehabilitation

Non-exclusive licensing of two pieces of software: 018160002674 PC106_E-HOUSE and 018170000982 PC123_e-Street

The licensing of two pieces of software to Bioxthica, a spin-off company from one of Fapesp's Research, Innovation and Dissemination Centers (Cepid), the Brazilian Institute for Research on Neurosciences and Neurotechnology (Brainn), is a continuation of the partnership with the company that in the previous year licensed the two related brands. These are 3D Virtual Reality mobile applications (android) that simulate the residential and urban environment for purposes of motor and cognitive rehabilitation, promoting the neurofunctional recovery process in a physically active manner and increasing patient motivation during treatment.



Prof. Gabriela Castellano



IFGW - Instituto de Física "Gleb Wataghin"



Bioxthica (BRAINN Spin-off)



Prof. Gabriela Castellano

Production of hyaluronic acid from vegetal flours for application in various types of products

Non-exclusive licensing of patent application BR 10 2017 027243 5



Rhelvis de Campos Oliveira e Prof. Maria Helena Andrade Santana

The technology developed enables the production of hyaluronic acid by microbial route to be used in the cosmetic and pharmaceutical areas. In the technology, the innovation is the possibility of using vegetable sources such as soy flour throughout the production process. The added value of hyaluronic acid enables the development of several types of products. For example, the use of soy flour for microbial production of hyaluronic acid would reduce costs with culture medium by 40 times compared with the use of the soy eptone or yeast extract commonly used in other processes.



Rhelvis de Campos Oliveira and Prof. Maria Helena Andrade Santana



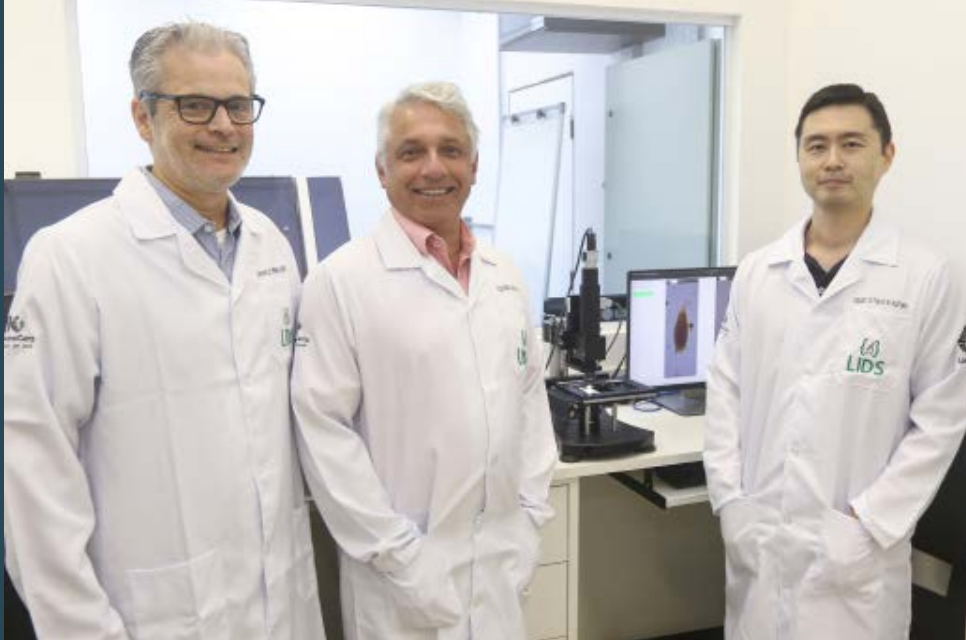
Chemical Engineering School (FEQ)



BR Hyaluronic

Fast and cost-effective examination to detect parasites of the intestinal tract

Exclusive licensing of patent BR 10 2016 014786 7



From left to right: Prof. Jancarlo Ferreira Gomes, Prof. Alexandre Xavier Falcão e Celso Tetsuo Nagase Suzuki

This patent consists in the development of a dye composition that enables the qualitative detection, in laboratory exams, of oocysts of the parasite *Cryptosporidium* spp, which causes a cosmopolitan disease called cryptosporidiosis, by means of a quick, effective exam with satisfactory cost-benefit ratio when compared with conventional methods. This technique provides benefits to clinical analysis laboratories, public and private, especially in examinations of human and animal feces, more specifically by allowing the comprehensive identification of parasites of the intestinal tract.



Prof. Jancarlo Ferreira Gomes, Prof. Alexandre Xavier Falcão, Dra. Katia Denise Saraiva Bresciani, Celso Tetsuo Nagase Suzuki, Dra. Sandra Valéria Inácio



Institute of Computing (IC) and Institute of Biology (IB)



Immunocamp, Research and Development company of the Bio Brasil Group

Qualified and more effective diagnosis for schistosomiasis mansoni

Exclusive licensing of patent BR 10 2016 014787 5

The TF-Test Quantified invention, although specific for the quantitative detection of *Schistosoma mansoni* eggs, should enable the qualitative diagnosis of human enteroparasites, even in regions where the schistosomiasis mansoni disease is endemic. It should be considered that the technique currently recommended in government programs to control this parasitic condition has low to moderate sensitivity for the counting of Eggs per Gram (EPG) of Feces of *Schistosoma mansoni* and, differently from the new TF-Test Quantified technique, can diagnose only about four species of intestinal helminths. The scientific and technological development provided by the new invention could expand the diagnosis to the 15 species of intestinal protozoa and helminths most prevalent in human beings in Brazil.



Prof. Jancarlo Ferreira Gomes, Prof. Alexandre Xavier Falcão, Bianca Martins dos Santos, Celso Tetsuo Nagase Suzuki



Institute of Computing (IC) and Institute of Biology (IB)



Immunocamp, Research and Development company of the Bio Brasil Group

New diagnosis mode enables unprecedented parasitological exams in human and animal feces

Exclusive licensing of patent BR 10 2015 032563 0

This new technical laboratory principle will enable conducting unprecedented parasitological examinations in feces of humans and animals with the use of dissolved air flotation (DAF). This procedure consists in a new way of detecting intestinal parasitic species in fecal suspension, which favors the specific flotation of these agents in a region of interest (flotation minicell) of the flotation unit. Thereby, it is possible to reduce impurities (undigested residues of organic and vegetal fecal origin) that can distort results in parasitological examination of feces. Thus, in the near future clinical analysis laboratories, public and private, may apply in their routines, effectively and in a practical way, this new mode of diagnosis.



Prof. Jancarlo Ferreira Gomes, Prof. Alexandre Xavier Falcão, Felipe Augusto Soares, Prof. Edvaldo Sabadini, Celso Tetsuo Nagase Suzuki



Institute of Biology (IB), Institute of Chemistry (IQ), Institute of Computing (IC)



Immunocamp, Research and Development company of the Bio Brasil Group

Compounds with antiproliferative property as a result of biological catalysis process

Compounds with antiproliferative property as a result of biological catalysis process



Rosa Maria Teixeira Tage Biaggio

The technology enables the production of antiproliferative compounds obtained by Biocatalysis process, in which a natural enzyme is used as catalyst, which can also be reused, ensuring economic viability. Based on the use of some types of terpenes, substances found in citrus fruits and plants, it was discovered that after undergoing the process they present more reactive properties, and thus with antiproliferative action.



Prof. Paulo Mitsuo Imamura (IQ), Rosa Maria Teixeira Tage Biaggio, Prof. Milton Beltrame Junior (Universidade do Vale do Paraíba)
Representante do IQ no licenciamento: Prof. Anita Jocelyne Marsaioli (IQ)



Institute of Chemistry (IQ) and University of Paraíba Valley



Sugarzyme

Passion fruit emulsion achieves high performance through a clean production process

Exclusive Licensing of Patent BR 10 2018 077523 5 and PCT/BR2019/000022



Prof. Julian Martínez

The licensed technology is a high-performance emulsion produced based on passion fruit (*Passiflora*) bagasse through a supercritical extraction process. With antioxidant property, the emulsion acts in the prevention and correction of different factors and mechanisms responsible for skin aging and can be used in cosmetics, nutraceuticals, nutracosmetics, drugs and foods.



Prof. Julian Martínez (FEA), Philipe dos Santos, Prof. Juliane Vigano and Márcio Lopes



Food Engineering School (FEA)



Rubian Xtract

Immunotherapy for bladder cancer

Non-exclusive licensing for human use of patent application BR 10 2017 012768 0 and PCT/BR2018/000031
Non-exclusive licensing for veterinary use of patent application BR 10 2017 012768 0 and PCT/BR2018/000031
Non-exclusive license for use of Brand, registries No. 913452386 and 913451991

The technology refers to a process for obtaining an inorganic nanostructured complex associated with the (MRB-CFI-1) protein, which has the brand OncoTherad. The main application is in the treatment of solid tumors in both animals and humans. The nanopharmaceutical has unique antitumor activity and can potentially be a cheaper substitute for other commercial antineoplastic drugs.



Prof. Wagner José Fávaro (IB) e Prof. Nelson Durán Caballero (IQ)



Institute of Biology (IB) and Institute of Chemistry of Unicamp (IQ)



CND Pharma



Prof. Nelson Durán Caballero (left) e Prof. Wagner José Fávaro (right)

Suture thread enrichment with stem cells

Exclusive licensing for human use of patent application BR 10 2013 012895 3 and BR 13 2014 008417 6

Exclusive licensing for veterinary use of patent application BR 10 2013 012895 3 and BR 13 2014 008417 6



Prof. Ângela Cristina Malheiros Luzo, Bruno Bosch Volpe and Prof. Joaquim Murray Bustorff Silva

The technology enables obtaining suture threads enriched with mesenchymal cells, which act as stem cells for the replacement or new formation of connective tissue. Suture threads help in the treatment, recovery and healing and can be used in surgical procedures such as plastic surgery, in the treatment of burns, fistulas in patients with Crohn's disease, among other diseases that require specific treatments for healing.




Prof. Joaquim Murray Bustorff Silva, Prof. Ângela Cristina Malheiros Luzo, Prof. Ithamar Nogueira Stocchero and Bruno Bosch Volpe



School of Medical Sciences (FCM)



IBB - Inovações em Biotecnologia e Biomateriais LTDA

An abstract graphic design featuring a dark blue background. In the upper right, a large circle is filled with a dense pattern of small yellow stars. Two thin, curved lines, one white and one yellow, overlap each other and the star-filled circle, creating a dynamic, organic shape. The text is positioned in the lower right, below the graphic.

UNICAMP'S SCIENTIFIC AND **TECHNOLOGICAL PARK**

Park: an ecosystem in expansion



With a constantly expanding physical space, the Scientific and Technological Park is a means to foster innovation among the business sector, with the possibility of partnerships with the University.

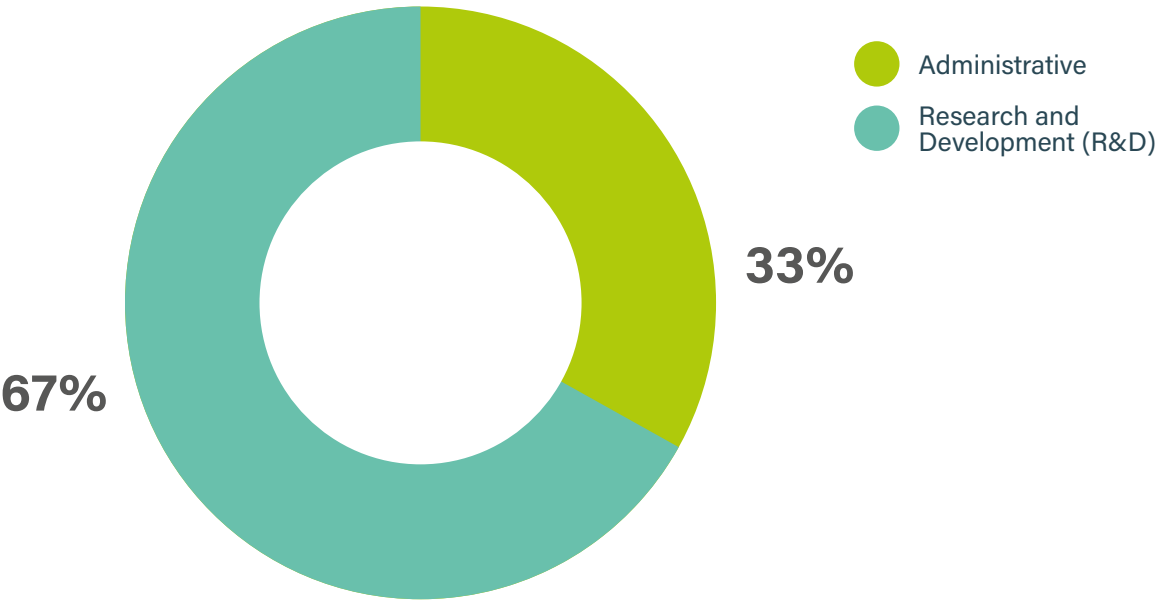
Currently, the Park maintains four buildings for occupation by companies, named Núcleo, Vértice, LIB and Incamp, in addition to having two more new buildings under construction.

This growth required a standardization of the Park's brand, so that all buildings could refer to the complex. Thus, the brand was updated with the new colors of Unicamp Inova, the body responsible for managing the complex, and the hierarchy of elements so that its buildings are always identified as part of the Park.

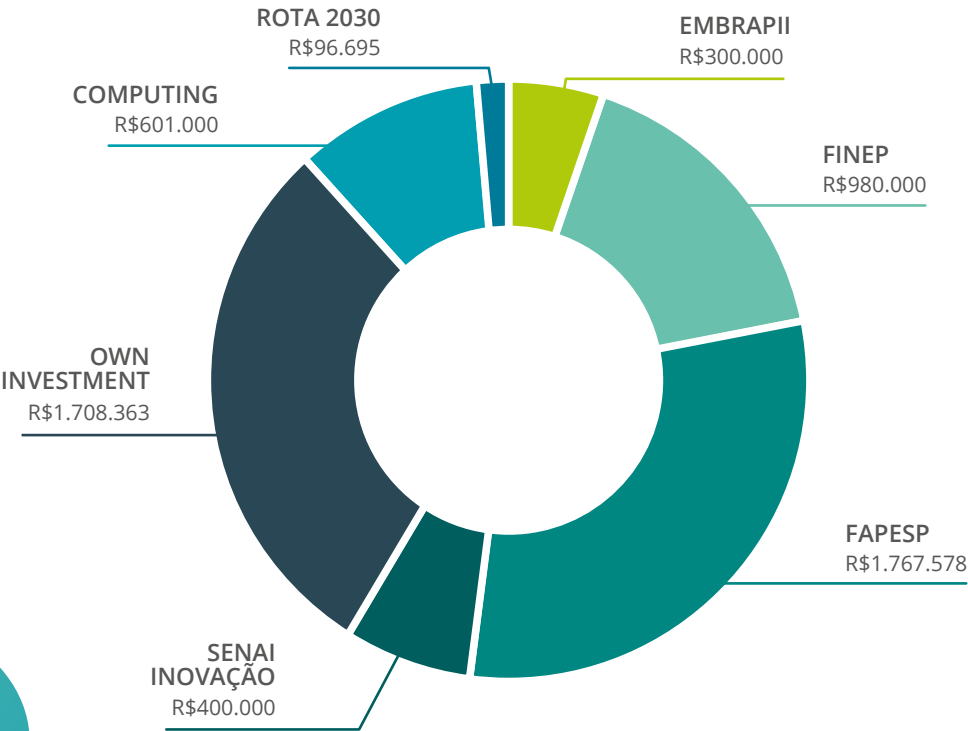
In the new proposal, all logos carry the image and the complete nomenclature of the Park, with the exception of the acronym Incamp as it is already recognized by its own nomenclature. For this reason, as established in the Brand Use Manual, the Incamp logo must appear hierarchically after the logo of the Scientific and Technological Park.



440 Job Positions



R\$ 5.8 million raised in funding



Companies with R&D Labs installed in the Park



Startups installed in the Park



32 companies installed
R\$15 million revenue (incubated companies and startups)
15 R&D agreements with Unicamp
R\$11 million in R&D agreements

Inauguration and open tender for LIB

One of the great novelties of Unicamp's Scientific and Technological Park was the inauguration in July 2019 of the building named Laboratory of Innovation in Biofuels (LIB), which has an open tender for occupation.

The building received funding from the Brazilian Innovation Agency (FINEP) and aims to install companies interested in signing research and development (R&D) projects with the University related to the biofuels area, especially in topics such as:



- PLANT AND YEAST BIOTECHNOLOGY
- BIOMASS HYDROLYSIS
- FERMENTATION
- DISTILLATION
- HYDROGEN PRODUCTION FROM ETHANOL
- EFFICIENT BIODIESEL PRODUCTION
- PROCESS MANAGEMENT AIMING TO OPTIMIZE RESOURCES AND REDUCE ENVIRONMENTAL IMPACT

Among the possibilities for occupation, the LIB provides office rooms, 27.65 m² or 65 m² independent laboratories, but with possibility of integration, in addition to the differential of an area intended for the installation of a pilot plant with large equipment in a 104 m² space with triple ceiling height.

Our Community

IBM: research that has an impact on people

In addition to having maintained partnerships in R&D projects with Unicamp since 2003, IBM is one of the companies with a laboratory installed in the Scientific and Technological Park, the Unicamp OpenPower Lab, where they develop Information Technology (IT) projects, especially those related to the IBM Power processor architecture.



Team of the Unicamp OpenPower Lab, IBM's laboratory at the Scientific and Technological Park

"The recent mission of the Unicamp OpenPower Lab is to make the same processor used by the two fastest supercomputers in the world accessible for students, researchers, developers and open source software development communities," explains Rafael Peria de Sene, Advisory Software Engineer at IBM, about the activities conducted in the main ongoing project, the Minicloud, which emerged in 2014 with the objective of simplifying the access to the Power architecture.

According to Sene, more than 2,000 users from all parts the world have had the opportunity to use, free of charge, POWER8 and POWER9 processors for the most various activities, the main one being migration and debugging of open source applications to POWER.

In 2015, through the Laboratory, Unicamp was the first University in Latin America to become a member of the OpenPower Foundation, an open and collaborative community for the development of the IT solutions ecosystem, based on the IBM POWER processor. In 2016, Minicloud was awarded The Best in Show Award in a competition called POWER8 University Challenge, competing with Universities from around the world.

Year of foundation: 2008

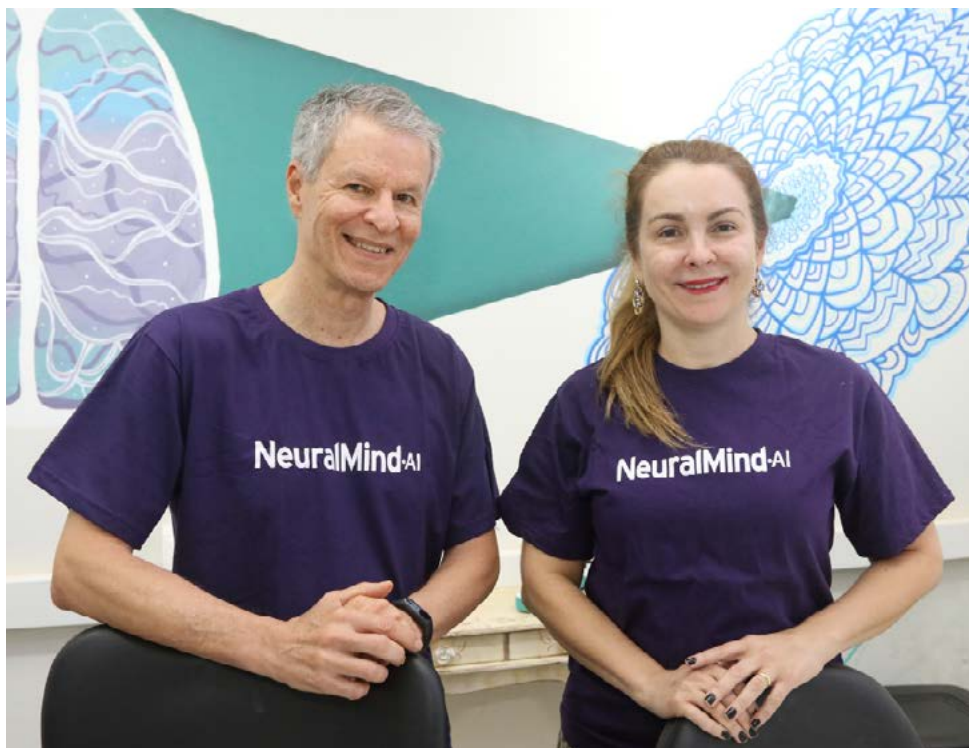
Number of employees: 8, of which 3 undergraduate students, 2 Professors and 3 IBMers

Market scope: International

Area of Operation: Information Technology



NeuralMind: Artificial Intelligence startup



NeuralMind founders: Prof. Roberto Alencar Lotufo and Dr. Patricia Tavares

NeuralMind provides companies with access to scalable and customizable solutions of advanced technologies in Artificial Intelligence, such as: analysis of legal, commercial, financial and administrative documents; ensurance of compliance and prevention of fraud; in addition to automatic image analysis, which streamlines processes.

The startup has strategic partnerships and a network of researchers with master's and doctoral degrees trained by Unicamp and foreign universities, in addition to associate consultants. NeuralMind is a subsidiary of Unicamp founded in 2017 by former student of Unicamp's Institute of Geosciences (IG) Dr. Patricia Tavares with collaborating professor Roberto de Alencar Lotufo of Unicamp's School of Electrical and Computer Engineering. Since 2018, the company has been headquartered in the Vértice building.

Year of foundation: 2017

Number of employees: 21

Market scope: Internacional

Area of Operation: Information Technology

Semantix: AI research laboratory

Semantix is a benchmark company in Big Data and Data Science, which develops solutions in the Data Driven model for organizations from all sectors of the industry, generating insights for decision making that enable optimizing processes and increasing customer profitability.

The company was founded in 2010 in Brazil and today is already present in other Latin American countries as supplier of products and solutions with complete Big Data and Artificial Intelligence platforms.

Since 2017, the company has maintained a laboratory at the Núcleo building for Research and Development projects in partnership with Unicamp. Currently, the project entitled "Processing of large volumes of data using machine learning and natural language processing" is underway, conducted by the company in partnership with Professor Dr. Hélio Pedrini, professor at Unicamp's Institute of Computing (IC).

Year of foundation: 2010

Number of employees: 316 and 8 employees in the Park's R&D laboratory

Market scope: Internacional

Area of Operation: Information Technology



Semantix team, which maintains a research partnership with supervision by Prof. Hélio Pedrini in the Scientific and Technological Park

INCAMP

In 2019, Incamp received the certification for the implementation of good incubation practices called "Reference Center for Support to New Enterprises (Cerne)," provided by the National Association of Entities Promoting Innovative Enterprises (Anprotec) and the Brazilian Micro and Small Business Support Service (Sebrae).

In order to receive the certification, Incamp had to carry out a survey on its activities and processes to adapt them, according to the Quality Manual described by Cerne. In addition to providing the incubator with great opportunities, such as participation in public tenders and application for grants aimed only at certified incubators, the certification also demonstrates that Incamp is an organization with incubation procedures based on a Reference Center in the field.

Our numbers in 2019



2
COMPANIES
PRE-INCUBATED



14
COMPANIES
INCUBATED



5
GRADUATED
AT YEAREND



83
JOB
POSITIONS



12
R&D
PROJECTS



51
R&D JOB
POSITIONS



Pre-incubated companies



Incubated companies



Graduated companies



Our Community

S Cosméticos do Bem



Year of foundation: 2011
Number of employees: 6
Market scope: Nacional
Area of Operation: Biotecnologia

S Cosméticos do Bem was born with the purpose of innovating in the cosmetic and pharmaceutical area. Based on the sustainability tripod (social, environmental and economic), since 2011 the company has produced high-quality, natural cosmetics using scalable and sustainable technologies.

The company, founded by doctor in pharmacy from Unicamp Soraya El Khatib, started producing and selling natural cosmetics; however it also provides other services to society. Today, the company's focus is on the development of dermophytocosmetics based on socio-environmental responsibility.

The startup also works with the training of teams for the marketing of products and advisory for R&D.

According to El Khatib, it is important to deliver to the market the most natural product possible, including its production process. "There is a worldwide concern with the reduction of environmental impacts, especially related to industries. We are aligned with this purpose and believe it is important that the entire production chain causes less environmental impact. We can contribute a lot in this area," comments the CEO.

With a focus on selling to individuals and businesses, the company has three pillars of operation: Repellent with active medicinal substances, natural and five times less toxic than conventional ones; healing agent; and an anti-malarial agent, which will be used in partnerships with entities and NGOs.

Especiarias da Amazônia

Especiarias da Amazônia is a company specialized in the extraction and research of active medicinal substances from Brazilian plants. It was created after a market study carried out by founder Danúbio Martins, which detected the demand for products derived from extract of jambu (*Acmella oleracea*), a plant with anesthetic effects.



The company's objective is to recover seeds from extractive areas, especially in the Amazon region, and adapt them to other climates, practice cultivar improvement, in addition to working with patent registration. Especiarias works the process from extraction, research, development, also supporting its producers in family farming.

According to the founder of Especiarias, jambu has great potential, since "international cosmetic companies already have patents in the area, but not agricultural knowledge. We want to advance research with Brazilian know-how." Research is currently being carried out for the development of pharmaceutical products in partnership with Unicamp's Pluridisciplinary Center for Chemical, Biological and Agricultural Research (CPQBA).

Year of foundation: 2015
Number of employees: 23
Market scope: Nacional
Area of operation: Agrotechnology /
Biotechnology



UNICAMP'S **ALUMNI COMPANIES**

The revenue of the Alumni Companies amounted to R\$ 7.9 billion

In 2019, Inova’s mapping of Unicamp’s Alumni Companies found that annual revenue of these enterprises grew 64.6% in relation to the previous year, totaling R\$ 7.9 billion. The main factor that influenced the revenue growth was the registration of 114 new companies in 2019, totaling 815. Of these, two newly registered companies are large and have yearly revenue of one billion reais each.

Among the alumni companies, 95.4% are located in the southeast region. Of the total active companies, 29% maintain international operation.

Distribution in São Paulo	
86.4%	Companies in the state of São Paulo
53.6%	Companies in Campinas
23.4%	Companies in São Paulo
8.8%	Companies in the Metropolitan Area
14.2%	Companies in the other cities of São Paulo

Areas	
1º	Information Technology
2º	Consultancy
3º	Engineering
4º	Health and Well-Being
5º	Services



815
ALUMNI COMPANIES
REGISTERED



717
ALUMNI COMPANIES
ACTIVE



44
ALUMNI COMPANIES
SPIN-OFFS



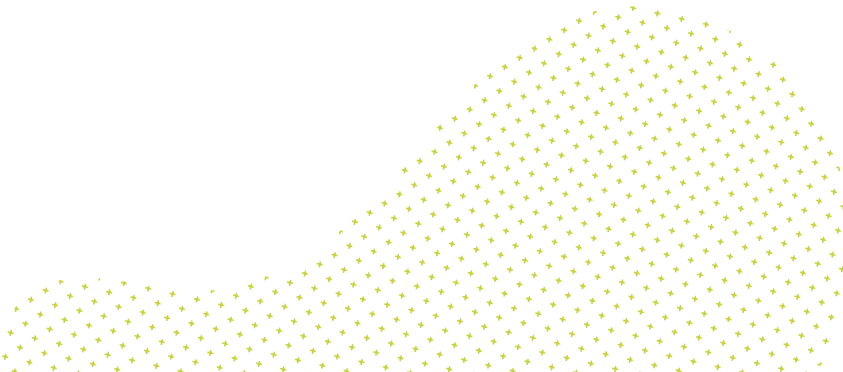
+ 31 mil
DIRECT JOBS
GENERATED



43
ALUMNI COMPANIES
SOLD



R\$7.9 bi
ANNUAL REVENUE



Entrepreneur Award

Unicamp Inova also held the third free edition of the Entrepreneur Award, a competition dedicated exclusively to Unicamp's Alumni Companies as a strategy to learn about their activities and reward the best practices and successes.



Winners: Vahid Sherafat from ClassApp, Lincoln Ando from idwall and Bernardo Lustosa from ClearSale

In 2019, 18 Alumni companies submitted 21 successful cases that were evaluated to select the winning companies in the categories of Innovation, Greater Growth (Scale-Up) and Social Impact.

The partners of the winning companies also had the opportunity to present their pitches during the 14th Unicamp Ventures Annual Meeting, when they received their trophies and learned who of the three would also be awarded the 2019 Entrepreneur of the Year trophy and R\$ 50,000 in marketing services (Sinapro table value) offered by the sponsor Agência Sabiá.

ClearSale had the Largest Growth



Bernardo Lustosa, chairman of ClearSale and former Statistics student at Unicamp

With 18 years of experience in the market, the company has become an international benchmark and, today, invests 7% of the company's revenue in innovation processes, fostered within the team.

In the case of Scale-up, the company has shown growth leaps in recent years, reaching 3,500 clients from different segments, divided into 13 countries and with transactions in another 150 countries. Currently, the company has offices in Brazil (São Paulo), United States (Miami) and Mexico (Mexico City), with the intention of expanding to other countries in Latin America.

“Innovation and continuous improvement enable ClearSale to grow exponentially, never forgoing human values, which make this evolution solid and sustainable.”

Year of foundation: 2000
Number of employees: 1519
Market scope: Internacional
Area of operation: Information Technology

ClassApp stood out in Social Impact



Vahid Sherafat, CEO of ClassApp and a former Computer Engineering student at Unicamp

The company was founded in 2014 and operates in the school communication segment with an eponymous application that solves in an organized manner the communication challenges between families and elementary, secondary, and tertiary schools, as well as institutions providing free courses (languages, arts , etc.).

Today, ClassApp is a leader in the Brazilian market, serving more than 500 educational institutions throughout Brazil, engaging approximately 400,000 parents and students in school routine, such as private messages or school events.

Since 2018, ClassApp has also maintained a spin-off company called "Escolas Exponenciais," with a focus on research and strategic support for educational institutions.

Year of foundation: 2014

Number of employees: 48

Market scope: Nacional

Area of operation: Information Technology and Education

"As a father, I suffered for not having easier and more practical communication with the teacher of my daughter, who due to lactose intolerance has always needed more attention from us at school. I thought: how will that be in the future? I came up with something simple and practical, like WhatsApp, that was also safe and organized, like a management system."

idwall won in Innovation

idwall is a startup specialized in digital security with technological solutions for recognition of identification and document frauds, enabling companies to approve suitable customers more quickly and avoid fraud risks, while still ensuring compliance with the requirements and regulations of the sectors of operation of client companies.

idwall was founded by two former Systems Analysis and Development students at Unicamp, Lincoln Ando (CEO) and Raphael Melo (COO), with Lincoln playing a more strategic role and being the company's spokesperson to investors and partners, collaborating for idwall to achieve three major investments in venture capital: Canary, Monashees and Qualcomm Ventures.



Lincoln Ando, CEO da idwall e ex-aluno de Análise e Desenvolvimento de Sistemas na Unicamp

"I started to develop projects after graduation, two of them, for example, did not work and this is my third attempt. To me, entrepreneurship is a process of trial and error, constant learning, in which Unicamp played a very important role in my trajectory with the support of professors related to the areas of entrepreneurship and project development, who also encouraged me to be an entrepreneur."

His success as entrepreneur led Ando to be selected by the Massachusetts Institute of Technology (MIT), where he also studied, as one of the most innovative young people in the world on the list of "Innovators Under 35", nominated in "Forbes Under 30" by Forbes Brasil and awarded as 2019 Entrepreneur of the Year by Unicamp.

Year of foundation: 2016
 Number of employees: 36
 Market scope: Nacional
 Area of operation: Information Technology

Unicamp Ventures

2019 brought restructuring to activities of Unicamp Ventures, the group of entrepreneurs who are alumni or partners linked to the University, which resulted in a new website and a new brand for the community.

The changes occurred with contributions from the 2019 Advisory Board in order to clearly define the values and mission that the group aims to achieve with its actions. This resulted in a brand with the colors of Unicamp's Innovation Agency linking the University's name to the term "ventures," showing that Inova is the link between the group and Unicamp by providing infrastructure, staff and support for the group's activities.



- **BELONGING:** We are Unicamp and we are proud of it
- **COOPERATION:** We share ideas and experiences, leveraging business opportunities
- **RECIPROCATION:** We reciprocate to society for the opportunities with which Unicamp provided us
- **DIVERSITY:** We are companies of all areas, sizes, backgrounds, ideas, knowledge and dreams
- **UNICAMP VENTURES MISSION:** Connect Unicamp's Alumni Companies and leverage the success of this community

Annual Meeting and Meetups

Focused on connecting Unicamp's Alumni Companies, in 2019 the group expanded the offer of relationship events bringing together Unicamp's subsidiaries and students.

Three events were held on the University campus. The 14th edition of the Unicamp Ventures Annual Meeting was held within the scope of the Campinas Innovation Festival and enabled the 257 enrolled participants to have access to important topics on entrepreneurship and to the pitches of the companies that won the 2019 Entrepreneur Award, with discussions optionally extending to a networking cocktail.



José Augusto Moura, CEO of the Unicamp Ventures group

Two **Unicamp Ventures Meetups** were held in the Vértice building, at Unicamp's Scientific and Technological Park. The two meetings were more relaxed opportunities to discuss successful cases of subsidiaries of different niches. The first Meetup addressed the topic of the craft beer market with the example of the subsidiary Lamas Corp and the second Meetup addressed the case of Neger Telecom, both followed by a period for socialization and bonding between participants.

New board members for 2020

The Advisory Board consists of seven partners from different Alumni Companies, an executive chairman of the Group and the Board chairman, a position intended for the Unicamp Inova CEO. The Board's mission is to make decisions and implement the group's activities to promote entrepreneurship and relationship.

With biennial terms, 2019 was the year for the renewal of board members. For the new composition, 19 applications with justification of interest were evaluated and selected by the previous members to occupy the six positions available.

Unicamp Ventures Board Chairman: **Newton Frateschi**, professor of the "Gleb Wataghin" Institute of Physics (IFGW) at Unicamp, Unicamp Inova CEO.

Unicamp Ventures Executive Chairman: **José Augusto Moura**, graduated in Mechanical Engineering from Unicamp, BRSA Communication Agency CEO.



New board members of the Unicamp Ventures group

2020–2021 Board Members:

- **Carlos André Branco Guimarães**, graduated in Computer Science from Unicamp, COO and co-founder of Matera System, which promotes digital transformation for the financial market;
- **David Figueira**, graduated in Physics from Unicamp, CEO and co-founder of Lamas Group, which operates in the area of craft beers;
- **Efraim Albrecht Neto**, Master's degree in Agricultural Engineering from Unicamp, COO and co-founder of Agricef, which operates with technological solutions for agriculture;
- **Fábio Pagani**, graduated in Computer Science from Unicamp, serial entrepreneur and former UV chairman;
- **Roseane Jamile Lopes Ramos**, graduated in Food Engineering from Unicamp, consultant and partner of Agência Sabiá, which operates in advertising and marketing;
- **Virgílio Ferreira Marques dos Santos**, graduated in Mechanical Engineering from Unicamp, CEO and co-founder of FM2S, which operates in corporate training, courses and capacity building;
- **Zake Sabbag Neto**, graduated in Mechanical Engineering from Unicamp and CFO of Prodam, information and communication technology company of the municipality of São Paulo.



EVENTS AND PROGRAMS

Unicamp Challenge

In 2019, the Unicamp Challenge was recognized as the best innovative practice in the country by the Ranking of Entrepreneurial Universities, organized by the Brazilian Confederation of Junior Companies. The award ceremony was held in a Solemn Session at the Chamber of Deputies in Brasília on October 22.

The program, which had its ninth edition in 2019, is an initiative of the Unicamp Inova Innovation Agency and has as main results the creation of eight technology-based startups and a network of more than 120 mentors interested in helping the university in its innovative activities, in addition to the training of more than 2,500 persons.



Inova's CEO professor Newton Frateschi represented Unicamp at the function and commented about the value of the Unicamp Challenge for the University.

"The Challenge is a program that has Unicamp's DNA. Through the Challenge, we disseminate our patent portfolio and foster the creation of companies not only among students, but also in the whole community. It is a nationwide program that has as its most positive aspect the dissemination of entrepreneurial education in the University," celebrated Frateschi.

The Winning Team

Project: ESMA

Technology: Chemical process for the separation of materials that compose a multilayered packaging by means of alkaline treatment with NaOH solution (191_ALCALINO)

Members:

- Agatha dos Santos, master's student in Agricultural Engineering at Unicamp
- Haroldo Pereira Rego, master's student in Agricultural Engineering at Unicamp
- Joziane Martins Fialho, doctoral student in Agricultural Engineering at Unicamp
- Kiane Cristina Leal Visconcin, master's student in Agricultural Engineering at Unicamp
- Priscila Alves dos Santos, doctoral student in Agricultural Engineering at Unicamp
- Academic mentor: Prof. Lauro Tatsuo Kubota, full professor, Institute of Chemistry at Unicamp

Business mentor: Carlos Gondo, Innovation director at Requestia

Learn more at: www.inova.unicamp.br/desafio



234
PARTICIPANTS
REGISTERED



55
TEAMS
FORMED



350
PERSONS TRAINED
IN THE WORKSHOP

InovaAFRO

InovaAfro is a project that is part of the partnership signed between Unicamp and Faculdade Zumbi dos Palmares with the objective of promoting interchange of experiences and knowledge related to innovation and entrepreneurship. The activities carried out also promoted discussion on the characteristics of Afro- entrepreneurship and black representativeness in the labor market.



Activities carried out



April 25, 2019: Business modeling course provided by Unicamp Inova

Venue: Faculdade Zumbi dos Palmares, São Paulo (SP)

May 18, 2019: Participation of students from Faculdade Zumbi dos Palmares in the Unicamp Challenge Workshop Venue: Campinas (SP)

Sep 13, 2019: InovaAFRO: Afro-entrepreneurship Meeting Venue: Unicamp, Campinas (SP)
Partner: Coletivo Conexão Preta

Oct 16, 2019: PIONEERING JOURNEY: What Afro-entrepreneurship teaches us? Venue: Palácio dos Campos Elíseos, São Paulo (SP).

Partner: Sebrae, FEA USP, and State Government of São Paulo

Nov 18, 2019: Business modeling workshops held during the Inova Zumbi event

Venue: Faculdade Zumbi dos Palmares, São Paulo (SP)



Inova Youth

The sixth edition of the Inova Youth Program, an entrepreneurship competition for secondary and vocational students, had record participation in 2019 with registration of 173 teams, 71 more than in the previous year. Among the novelties of the edition, students had access to online and face-to-face mentoring. The finalist teams also received pitch training and presented in the finals, during the InovaCampinas Trade Show schedule, on October 31, 2019.



681
PARTICIPANTS
REGISTERED



173
TEAMS
FORMED



37
SCHOOLS FROM 8 STATES
OF BRAZIL



06
FINALIST TEAMS



70
BMC MENTORS

The Winning Team

Team: Girls Tech Power

Members: Raíssa Alves, Livia Silva, Giovanna Mariano, Laura de Godoy e Hellen Turri

School: Instituto Federal de São Paulo

City: Bragança Paulista/SP

Idea: The team modeled the business and developed an application called FibroFly, which promotes the well-being of people with fibromyalgia, a generalized chronic disease that mainly affects the muscles. On average, 90% of people diagnosed with the disease are women. The application was developed in partnership with health professionals who guided the team in building content for six pillars to promote well-being: motivational phrases, meditation, physical exercises, nutrition, calendar and personal progress.

Learn more at: www.inova.unicamp.br/inovajovem

Inventors Award

The 2019 Inventors Award ceremony and dinner took place on June 27. The initiative aims to foster innovation in the academic community and honor Unicamp professors, researchers, students and alumni for their dedication to technology protection and transfer activities. In 2019, the event awarded 213 professionals in 4 categories and honored two teaching and research units of the University.



71
PATENTS
GRANTED



213
PROFESSIONALS
AWARDED



FOOD ENGINEERING SCHOOL (FEA)

Prominent Unit in Intellectual
Property Protection 18 patent
applications in 2019

ELECTRICAL AND COMPUTER ENGINEERING SCHOOL (FEEC)

Prominent Unit in Technology Transfer
4 technology licensing contracts
signed in 2019



Inventors Award Magazine

For the second consecutive year, Unicamp Inova disseminated research, technologies and projects in partnership with companies in the Inventors Award Magazine. A survey of Unicamp's entrepreneurship courses was also featured in the magazine, which is available in both online and print versions. The 2019 edition had 3,000 copies distributed to professors, students, partner companies and policy makers of the S,T&I sector.

Learn more at: www.inova.unicamp.br/premioinventores

Inova Introduction to Innovation Award



The Inova Award aims to honor undergraduate students for innovative research within the scope of undergraduate research. In 2019, for the first time, candidates were evaluated based on pitch presentations. To this end, in October the candidates received pitch training and, from October 16 to 18, during the 27th Unicamp Undergraduate Research Congress, presented their projects to the evaluation boards. Thus, we believe we contribute to the training process of students, who learned to present and consider their works from the point of view of their potential for innovation. The winners in the three categories - Biology, Humanities and Technology - were acknowledged during the Unicamp Institutional Awards ceremony that took place in December.

Learn more at: www.inova.unicamp.br/premioinova

Winning Projects

BIOLOGY

Esther Dantas da Silva, newly graduated in Nutrition, with her project “Facilitating the assessment of FODMAP consumption through a digital platform for nutritionists.”

HUMANITIES

Bruna Bueno, student of the Sports Science program, with the research “Geographic Information System as an aid tool for the management of sports facilities and programs.”

TECHNOLOGY

Matheus Kaue Gomes, student of the Control and Automation Engineering program, with the project “Building a Raspberry Pi-based optical fiber sensor to characterize hand postures by force myography.”

12th EDITION IN 2019

1st EDITION WITH PITCH PRESENTATION

3 WINNERS



2019 Sponsors



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Global Partners

Global Partners is a program created by the Unicamp Inova Innovation Agency with the aim of strengthening and structuring Inova's relationship with other international innovation and entrepreneurship players, such as incubators, accelerators and innovation agencies. In 2019, Inova established partnership with six institutions, linked to Latin American and African universities.

The program includes several activities to facilitate access by foreign startups to Unicamp's university ecosystem and the Brazilian market, as well as training activities and benchmarking opportunities for professionals linked to partner institutions. Program membership is free.



2019 Partners



UNMSM



PUCP

UNISA  university of south africa



 Tecnológico de Monterrey



INCUBADORA DE EMPRESAS INNOVADORAS
UNIVERSIDAD NACIONAL MAYOR DE SAN MARCOS

Activities carried out in 2019

April 11: Presentation of pitches of startups from Peru, Colombia and South Africa at the Meeting with Investors event. **Venue:** Amcham Talks Campinas (SP)

Aug 12 - 16: Virtual mentoring for startups of partner ecosystems

Oct 28 - 31: Week of technical visit to Unicamp Inova Innovation Agency and to partners of the Agency

Oct 30 and 31, 2019: Participation in the InovaCampinas Trade Show event

New head office: Bucolic and modern aspects instigating creativity

At the end of 2018, Unicamp's dean announced the head office would be moved from the Innovation Agency headquarters to the expansion area of the University's Campinas campus, known as Fazenda Argentina. The move required that 2019 was entirely dedicated to the planning and execution of adaptation works so the building of Inova's new head office became a viable environment to receive the activities of the Agency.

"The Campinas Decor Decoration Show partially restored the space, as provided in the usage agreement, but adaptations and reforms were still needed to make the environment functional and pleasant for our employees and visitors, which allowed us to

move in February 2020. Today, it is gratifying to have a space that combines bucolic and modern elements, instigating our creativity and boosting more activities to promote entrepreneurship and innovative businesses," celebrates Frateschi about the renovation works in 2019 and the head office address change.

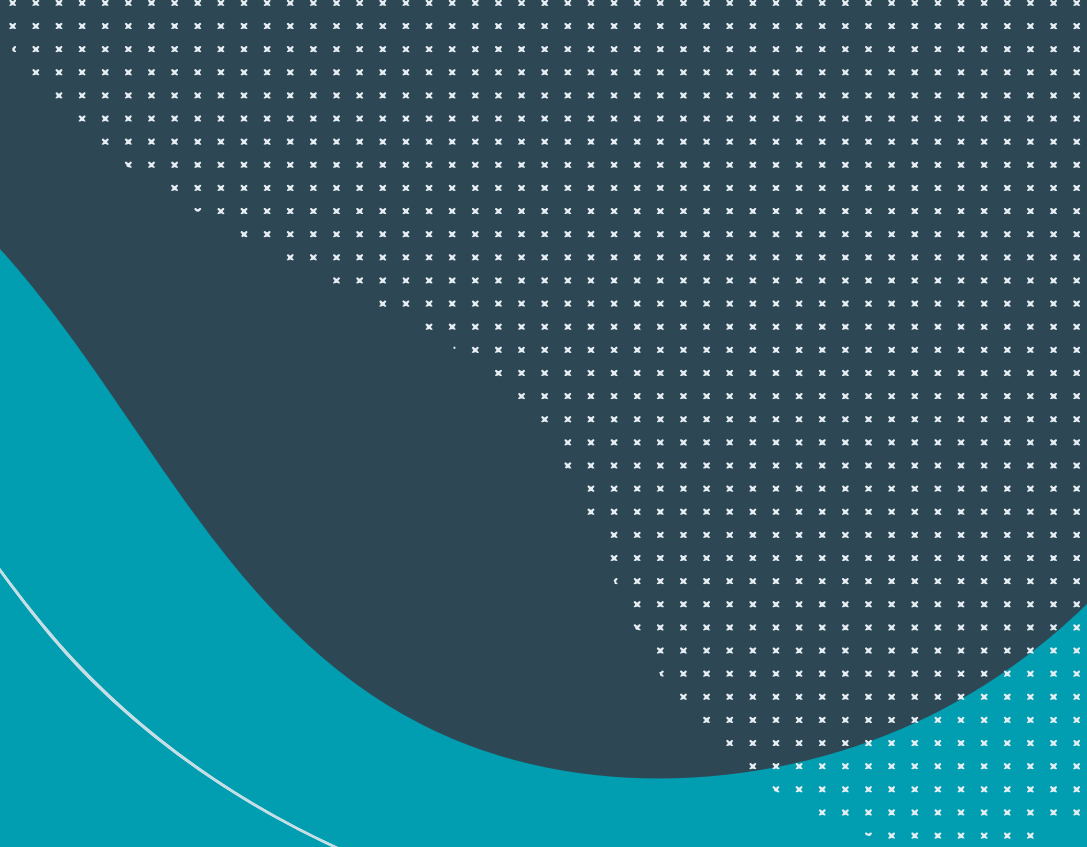
In 2020, supplementary renovation works will also be carried out, such as paving one of the head office's entrances and launching a new space in the Scientific and Technological Park, next to Unicamp Inova's headquarters, which will have space for coworking and events.



Mail only to:
INOVA UNICAMP
Mail Box 6131, Campinas/SP
CEP: 13083-970

New head office address:
Dr. Ricardo Benetton Martins, s/n Bosque
das Palmeiras, Campinas - SP
CEP: 13086-902





www.inova.unicamp.br



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