

**.UBA200**  
farmacia y  
bioquímica

# INTERNATIONAL MASTER PROGRAM IN BIOMEDICAL SCIENCES - IMBS

III Encuentro red CUAA-DAHZ

Presentation by Cristina Arranz

Director IMBS, Dean Faculty of Pharmacy and Biochemistry,  
Universidad de Buenos Aires

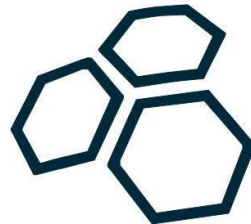
**DAAD**

Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



**UBA**

1821 Universidad  
de Buenos Aires



**IMBS**

International Master Program  
in Biomedical Sciences





# IMBS

International Master Program  
in Biomedical Sciences

## WHAT IS THE IMBS?

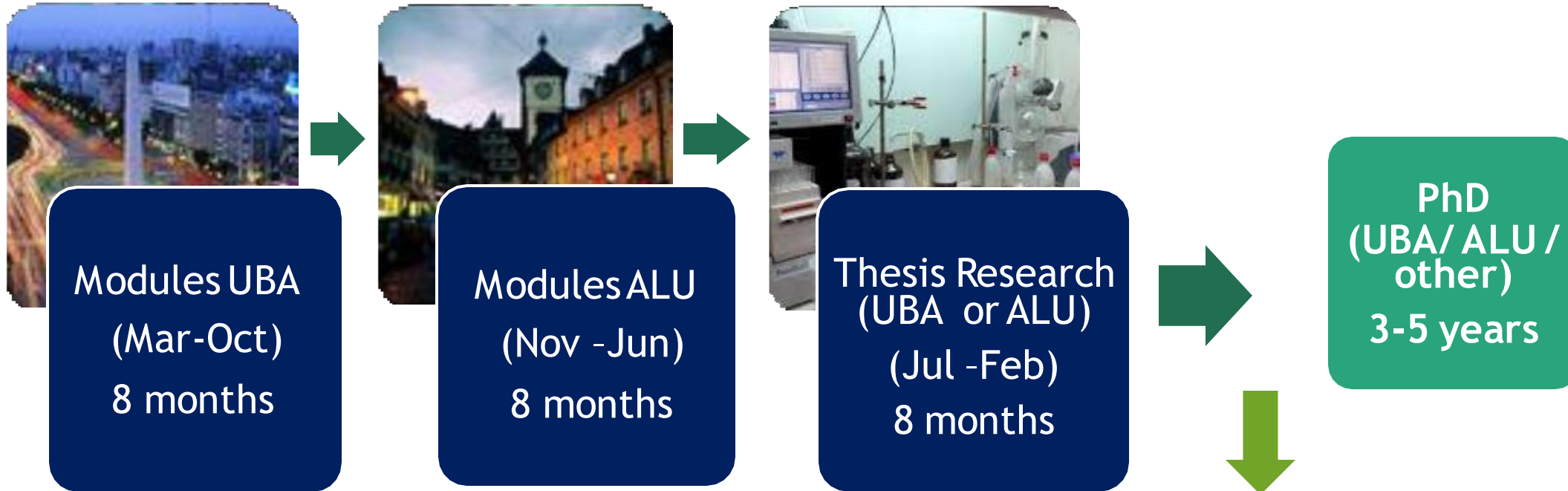
Is a joint program between Facultad de Farmacia y Bioquímica and Facultad de Medicina, Universidad de Buenos Aires, Argentina (UBA) and Albert-Ludwigs-Universität Freiburg, Germany (ALU) in which comprises multidisciplinary and multicultural studies with intensive practical training in the field of Biomedical Sciences

It awards two Master degrees as from 2020:

**Magíster de la Universidad de Buenos Aires en Ciencias Biomédicas**

**Master of Science Biomedical Science of Albert- Ludwigs-Universität Freiburg**

# IMBS STRUCTURE



**DAS (ALU)**  
Diploma of Advanced Studies

**Feb/Mar**  
**Thesis Defence at UBA or ALU**  
Co-direction UBA/ALU  
Jury UBA/ALU/external

**Double Master Diploma:**  
Magíster en Ciencias Biomédicas (UBA)  
Master of Science Biomedical Sciences (ALU)

# CONEAU and ACQUIN ACCREDITATIONS



In 2013 the IMBS was accredited for three years and it got the maximum category A.

In 2018, the IMBS was accredited by ACQUIN, valid until 2022

2017 CONEAU

2019 CONEAU

2013 CONEAU

2018  
ACQUIN

It was reaccredited in 2017 for three years and it got the maximum category A.

In 2019 the new Binational Master program has been temporarily accredited until a new call for Health Sciences programs is open at CONEAU.

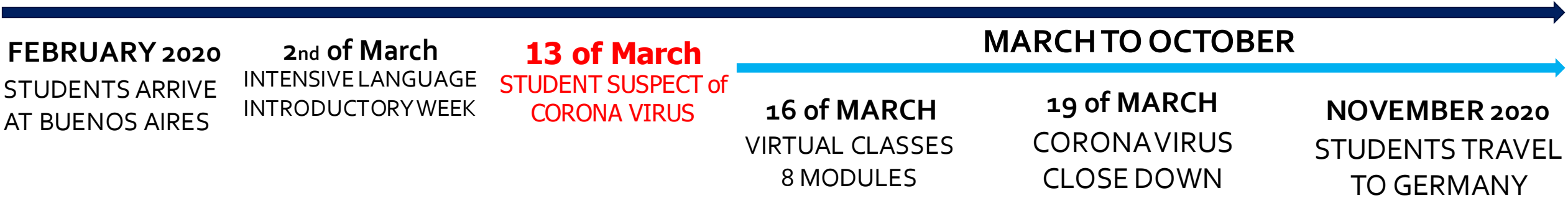


# THE PANDEMIC AND THE IMBS - COHORT 2020-2022

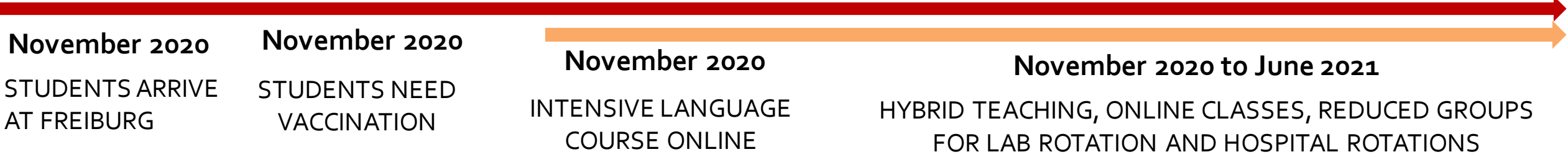


UBA

STUDENTS REPATRIATION  
COHORT 2019-2021



ALU





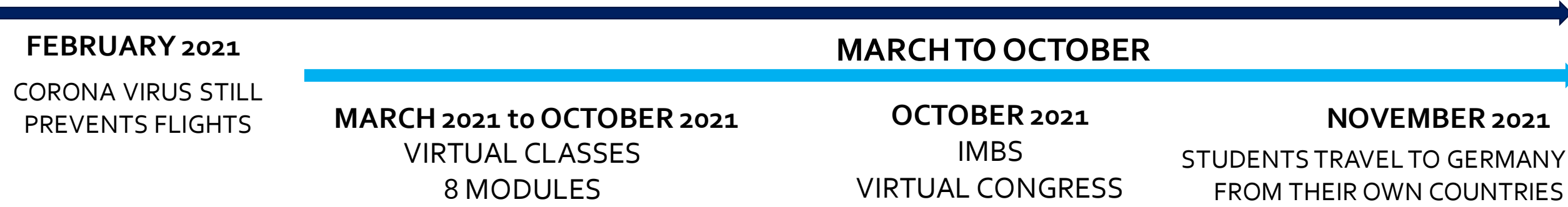
## **12 STUDENTS coming from Argentina, Bangladesh, Colombia, India, Iran, Mexico, Paraguay and Republic of Lebanon**

- Students arrived before the worldwide pandemic caused by corona virus.
- Students decided to stay in Argentina for the Master.
- Foreign students were spending the quarantine far from home.
- All modules went to virtually immediately, before the official close down from the government, performing outstandingly.
- Classes were in the same time zone.
- Students travelled to Germany from Buenos Aires.

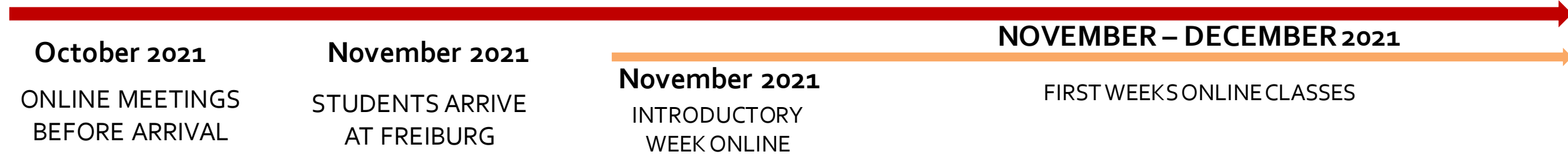
# THE PANDEMIC AND THE IMBS - COHORT 2021-2023



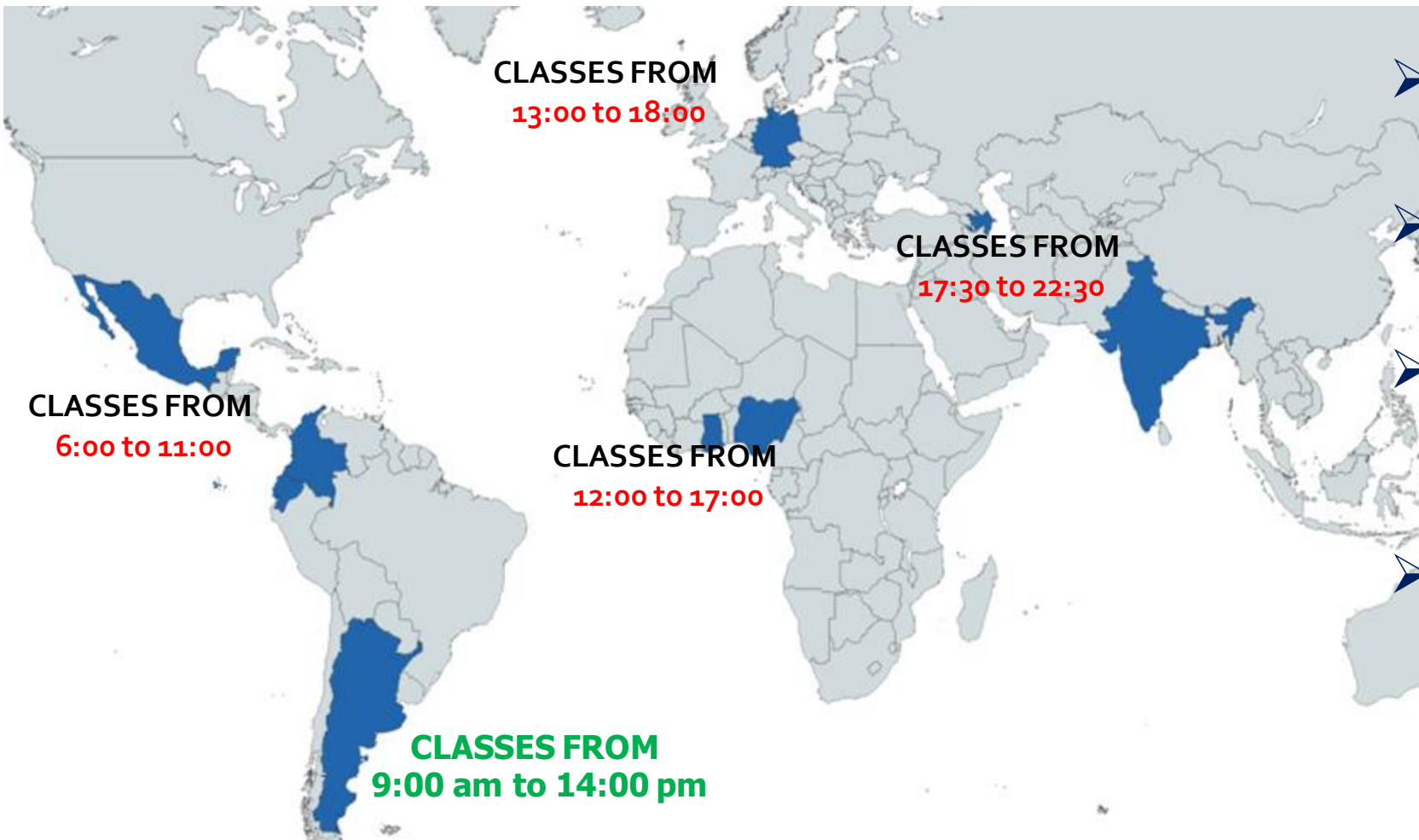
**UBA**



**ALU**



## 15 STUDENTS FROM Argentina, Azerbaijan, Colombia, Ecuador, Germany, Ghana, India, Mexico and Nigeria



- Students couldn't even travel to Buenos Aires.
- Modules were given again in a virtual way from the start.
- Students were all over the world studying UBA modules in different time zones.
- Students travelled to Germany from their own countries.



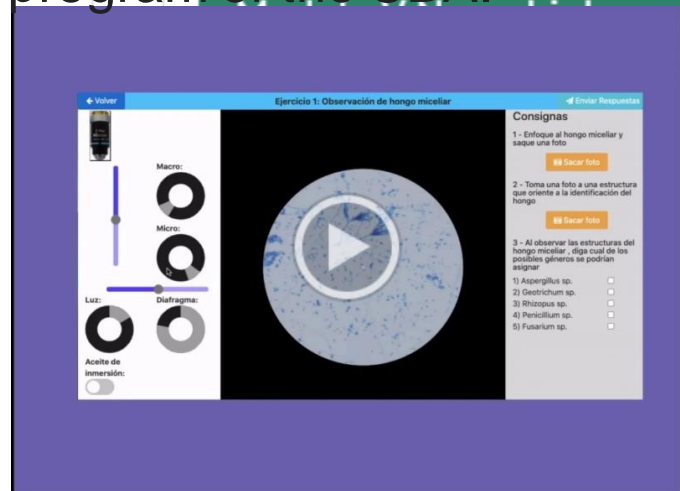
**ADMINISTRATION**

- Course administration
  - Turn editing on
  - Edit settings
  - Course completion
  - Users
  - Unenrol me from IMBS 20-22
  - Filters
  - Reports
  - Grades
  - Gradebook setup
  - Badges
  - Backup
  - Restore
  - Import

*IMBS 2020-2022*

- Module Ia: Biophysics and Bioenergetics
- Module Ib: Biochemistry and Molecular Biology
- Module IIa Physiology
- Module IIb Pathophysiology
- Module IIIa Pharmacology - Dr. Diez
- Module IIIa Pharmacology - Dr. Reines
- Module IIIb Toxicology - Dr. Wagner
- Module IIIb Toxicology - Dr. Damin
- Module IVa Virology
- Module IVb Microbiology
- Module IIc Cellular and Molecular Immunology
- Dr. De Nicol...
- Dra. Pasqui...
- cs and Expe...

Virtual microscope. It is an institutional program financed by the UBATIC program of the UBA.



# BIG CHALLENGES

- Emergence remote teaching is not the same as formal e-learning
- Practical lab work is an important part of our Master Program
- Psychological Effects of Confinement for Students Away from Home (2020)
- Rapid and successful implementation of adaptive response to the emerging education challenge
- Thesis defense .
- Vaccines

- **COHORT 2022-2024**

Classes will start presentially in Argentina March 2022.

- **BINATIONAL PhD Program**

- With the success from the IMBS, we're moving forward creating a Binational PhD Program between Universidad de Buenos Aires and Albert-Ludwigs University.

**NEXT STEPS**

**.UBA200**  
ciencias  
médicas

¡Muchas  
Gracias!  
Danke schön!  
Thank you

ALU-UBA IMBS Faculties and Teams

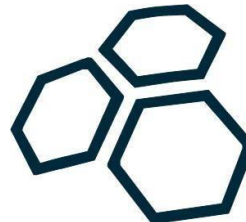
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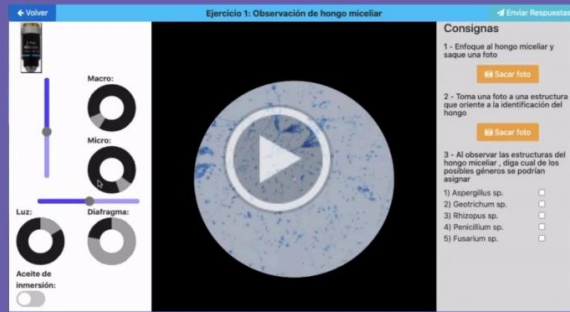


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Virtual microscope. It is an institutional program financed by the UBATIC program of the UBA.



The screenshot shows a virtual microscope interface with the following components:

- Top Bar:** "Volver" (Back) on the left and "Enviar Respuesta" (Send Answer) on the right.
- Header:** "Ejercicio 1: Observación de hongo micelial" (Exercise 1: Observation of filamentous fungus).
- Left Panel (Controls):**
  - Macro:** A slider and a circular icon.
  - Micro:** A slider and a circular icon.
  - Luz:** A slider and a circular icon.
  - Diaphragma:** A slider and a circular icon.
  - Aceite de inmersión:** A toggle switch.
- Center:** A circular viewfinder with a play button icon, showing a blue, granular texture.
- Right Panel (Consignas):**
  - Consignas:**
    - 1 - Enfoque al hongo micelial y saque una foto. (Focus on the filamentous fungus and take a photo.)
    - 2 - Toma una foto a una estructura que oriente a la identificación del hongo. (Take a photo of a structure that guides the identification of the fungus.)
    - 3 - Al observar las estructuras del hongo micelial, diga cuál de los posibles géneros se podrían asignar. (When observing the structures of the filamentous fungus, say which of the possible genera could be assigned.)
  - Options:**
    - 1) *Aspergillus* sp.
    - 2) *Geotrichum* sp.
    - 3) *Rhizopus* sp.
    - 4) *Penicillium* sp.
    - 5) *Fusarium* sp.