



+1 BILLION

ACCORDING TO WHO, MORE THAN 1 BILLION PERSONS SUFFER FROM ONE OR MORE TROPICAL DISEASES BUT ONLY...

10%

OF THE R+D RESOURCES ARE USED TO COMBAT THEM

EDUCATION & TRAINING: LEARN MORE TO SERVE BETTER

In addition to organizing workshops, scientific symposiums, and postgraduate and master programs officially recognized by the Universidad de Navarra and by local universities, the ISTUN places special emphasis on specific educational training programs:

- ▶ Educational training program for physicians, veterinarians, and laboratory personnel in developing countries: the experiences in Mozambique, Tanzania or Uganda clearly defend an interest in these programs, which are carried out in their laboratories, in the field and in hospitals, with the support of international organizations, research institutes, and local and international universities.
- ▶ Courses for physicians, nursing professionals and healthcare personnel: with very practical, hands-on content and with a duration of two to four weeks, the objective is to offer better training which can result in better health management in the developing countries. This is done in collaboration with universities and hospitals of different countries.
- ▶ International visiting programs in which researchers from different countries remain in the Institute for various months, benefiting from and sharing knowledge with the researchers of the center. Thus, each year, ISTUN takes in scientists from different places on the planet. Likewise, the researchers from the Institute carry out research stays in countries throughout the world.

Edificio CIMA · Avda. Pío XII, 55
31008 Pamplona · España

T: +34 948 194 700
istun@unav.es · www.istun.es



**INSTITUTE OF
TROPICAL HEALTH**

**Research, Global Health
and Development**

 Instituto de Salud Tropical
Universidad de Navarra

RESEARCH, GLOBAL HEALTH AND DEVELOPMENT

The goal of the Institute of Tropical Health of the Universidad de Navarra (ISTUN) is to find solutions regarding diagnosis, treatment, prevention and control of the diseases of the developing countries as well to share education and training and technology transfer with these countries.

The project is the result of various decades of experience in the School of Medicine, Pharmacy, Science and the School of Nursing and the Clinica Universidad de Navarra.

In addition, the Institute maintains a close relationship with the Center for Applied Medical Research (CIMA) and the School of Engineering.

LÍNEAS DE INVESTIGACIÓN



CHAGAS DISEASE

It is estimated that between 8 and 10 million persons are affected by this disease. There are only two existing drugs used for treatment but they have important toxic effects.



LEISHMANIASIS

Approximately 1.3 million new cases appear each year. This disease is associated with environmental changes, malnutrition, population displacements and a weak immunological system.



MALARIA

With every minute that passes, a child dies of malaria. The failure to develop effective insecticides, together with the fact that vaccines are still under development, results in an urgent need for new pharmacological treatments.



BRUCELLOSIS

It is estimated that 85% of all the cows and 95% of all the goats and sheep of all the non-industrialized countries are affected by this disease. There is no effective vaccine.



SHIGELLOSIS

Approximately 98% of the cases of shigella appear in developing countries causing approximately 600,000 deaths a year. Shigella is one of the principal causes of infant mortality.



HIV/AIDS

Currently 1.2 million persons die from HIV/AIDS each year throughout the world. Sub-Saharan Africa, with 25.8 of the 36.9 million persons infected by HIV (recent data from the WHO), is the most affected region.



HEPATITIS

Viral hepatitis provoke acute and chronic hepatopathies. They affect hundreds of millions of persons throughout the world. Approximately 240 million persons have chronic infections of hepatitis B and 150 million of hepatitis C.

COUNTRIES WITH WHICH ISTUN COLLABORATES

- ARGENTINA
- BRAZIL
- CAMEROON
- CHILE
- D.R. CONGO
- COSTA RICA
- SPAIN
- UNITED STATES OF AMERICA
- PHILIPPINES
- FRANCE
- GUATEMALA
- KENYA
- MALI
- MEXICO
- MONGOLIA
- MOZAMBIQUE
- NIGERIA
- PARAGUAY
- PERU
- PORTUGAL
- SWITZERLAND
- TANZANIA
- UGANDA
- URUGUAY



A TRUE TRANSFER OF KNOWLEDGE

AN INTERNATIONAL PERSPECTIVE

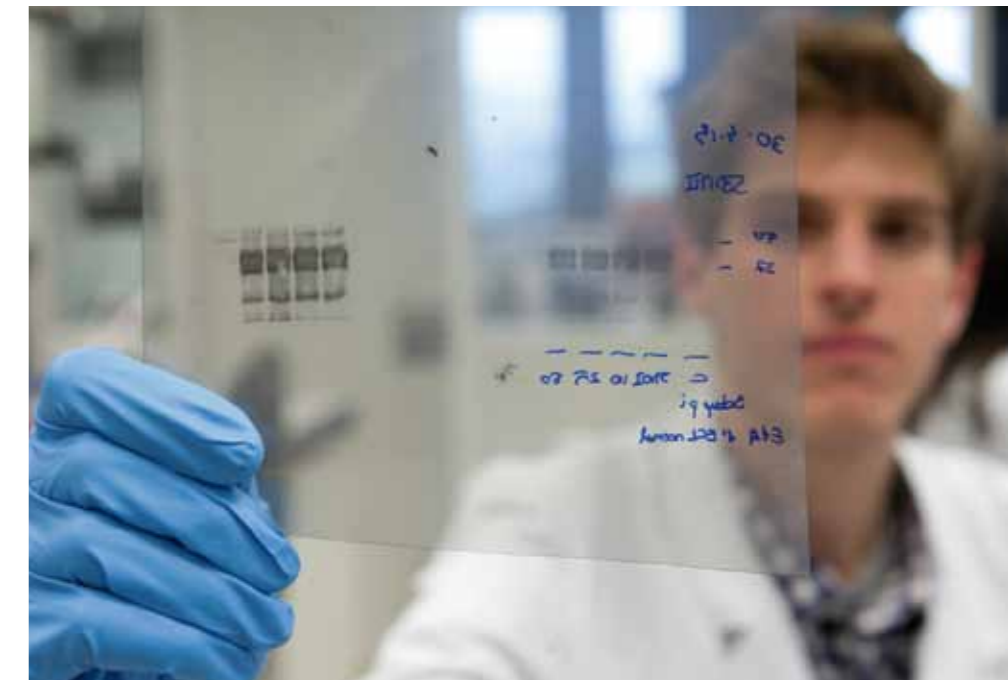
The Institute attempts to carry over its research into the area of **clinical application in collaboration with hospitals and university research centers** of the developing countries. Therefore, the Institute collaborates with researchers and scientists from different institutions and universities in Peru, Argentina, Costa Rica, Mali, Nigeria, Mozambique, Mongolia, Congo, France, Portugal, Switzerland and Tanzania, among others.

RESEARCH AND TECHNOLOGY TRANSFER

The Institute of Tropical Health of the Universidad de Navarra attempts to achieve active participation of countries that can result in a transfer of both knowledge and technologies to the affected countries.

ACCORDING TO WHO,
THESE DISEASES COST
MILLION OF DOLLARS
FOR DEVELOPING
ECONOMIES

TO GUARANTEE A
HEALTHY LIFE AND
PROMOTE WELL-BEING
FOR EVERYONE AT
EVERY AGE



SOLUTIONS FOR PREVENTION AND CONTROL. DIAGNOSIS AND TREATMENT. PROTOCOL DESIGNS

ISTUN's goal is to find solutions regarding diagnosis, treatment, prevention and control of diseases in the developing countries and to share education, training and technology transfer with these countries.

Hopefully, ISTUN's work will improve the quality of life of these individuals in these countries and the future, it will contribute to eradicate the neglected tropical diseases.

Thus, the Institute attempts to clinically apply the results from its basic research, finding solutions for prevention and control, diagnosis and treatment, and designing health care protocols and early actions for diagnosing diseases that cause suffering and/or have no cure.

This work is carried out by physicians, biologists, biochemists, pharmacists, engineers, specialized technicians and other professionals from the scientific and health areas.