

## **Mexico-Japan Exchange Program for the Strategic Global Partnership**

### **Information for applicants**

#### **1. Course Title**

Genomic Medicine

#### **2. Name of Mexican Organization:**

Instituto Nacional de Medicina Genómica (INMEGEN)

#### **3. Brief Profile of the Organization and the Department that will receive the Japanese trainees.**

INMEGEN is the national leader in genomic research for medical applications seeking to improve health in Mexico. Its main objectives are developing scientific research projects with cutting edge technology, training human resources of excellence; and generating genomic innovations and applications to improve health care in compliance with universal ethical principles and respect for human rights. The Research Direction, which will receive our Japanese partners have laboratories working on metabolic diseases, oncogenomics, cancer functional genomics, psychiatric and neurodegenerative diseases, cardiovascular diseases, nutrigenomics, population genomics, genomics of preterm deliveries, pharmacogenomics, computational genomics, osseous metabolism, infectious diseases, liver diseases, systems biology, proteomics, autoimmune diseases, atopic diseases genomics, ethical and social genomics studies, among others.

#### **4. Course dates:**

From August 27 to September 10, 2018

#### **5. Field of the Training Program:**

Genomic Medicine

#### **6. Course Objective:**

This course is directed toward active Japanese Researchers who are interested in getting to know the scientific work performed at INMEGEN's facilities. The main objective of the visit will be to establish potential collaborations between Mexican and Japanese research groups in common areas.

#### **7. Tentative Course Program**

1. Presentation of the research produced by INMEGEN's scientists
2. Guided tour of our facilities
3. Laboratory rotation through our research groups laboratories
4. Group meeting and discussions with INMEGEN's researchers
5. Assistance to our weekly seminars
6. Presentation by the Japanese visiting researcher of their academic interests.
7. Establish possible collaborations.

## **8. Tentative Schedule of the Training Program**

All activities will be scheduled at Mexico City. This a tentative program, since flexibility will be required to accommodate Japanese researchers interests in particular groups, specific seminars programmed by these groups and availability of additional National Health Institutes venues for scientific presentations, etc.

August 27  
Flight to Mexico

August 28  
Welcome session at Ministry of Foreign Affairs

August 29  
Guided tour of INMEGEN's facilities  
Laboratory rotation 1. Computational Genomics Subdirection  
Presentation of Scientific Research interests by Japanese researchers

August 30  
Laboratory rotation 2. Basic Research Subdirection

August 31  
Laboratory rotation 3. Basic Research Subdirection  
INMEGEN Scientific Seminar

September 1-2 Weekend

September 3  
Laboratory rotation 4. Basic Research Subdirection

September 4  
Laboratory rotation 5. Medical Research Subdirection

September 5  
Laboratory rotation 6. Medical Research Subdirection

September 6  
Laboratory rotation 7. Medical Research Subdirection

September 7  
Presentation of Scientific Research interests by Japanese researchers  
Institutes of Health (Mexico)  
INMEGEN Scientific Seminar

September 8-9 Weekend

September 10  
Close up discussion. Farewell to researchers.

September 11  
Return to Japan

**9. Trainees profile**

Academic Background    Active Researchers with a Doctoral/Medical degree

Work Experience        Currently working in Research

Years of Experience    At least 1 year in current position

Language Proficiency    Ability to speak and understand English.  
English Scores:  
TOEIC: 700 pts  
TOEFL PBT: 500  
TOEFL IBT: 90  
IELTS: 6

**10. Dress code**

Casual