

**30th CURRENT COURSE ON IMMUNOGENETICS
DIDACTIC AND LABORATORY PARTS
and
26th CURRENT COURSE ON MOLECULAR GENETICS
DIDACTIC AND LABORATORY PARTS**

EDUCATIONAL PROGRAM OF ASHI

ABHI APPROVED FOR CONTINUING EDUCATION CREDITS (CEC'S)

ORGANIZED BY:

***THE DEPARTMENT OF IMMUNOLOGY AND IMMUNOGENETICS OF THE INSTITUTO DE
DIAGNOSTICO Y REFERENCIA EPIDEMIOLOGICOS, (InDRE), SECRETARY OF HEALTH
Mexico City***

UNDER THE AUSPICES OF:

**THE AMERICAN SOCIETY FOR HISTOCOMPATIBILITY & IMMUNOGENETICS (ASHI)
THE AMERICAN BOARD OF HISTOCOMPATIBILITY & IMMUNOGENETICS (ABHI)
FUNDACION COMPARTE VIDA, A.C.**

DATE: JULY 25-AUGUST 5, 2011

**IMMUNOGENETICS: JULY 25 –JULY 29
MOLECULAR GENETICS: AUGUST 1- AUGUST 5**

**WITH THE ACADEMIC ACCREDITATION OF UNAM
(UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO)**

DIRECTOR OF THE COURSES: CLARA GORODEZKY

SITE, INFORMATION AND REGISTRATION:

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5342-7550 Ext. 364, 241,242
Fax: (52 55) 5341-4418 & 5281-0073***

**LIMITED TO 28 STUDENTS
FOR THE LABORATORY PARTS**

REGISTRATION FEES:

<i>Didactic part only</i>	\$ 850.00	<i>each Course</i>
<i>Didactic & Laboratory Parts</i>	\$1100.00	<i>each Course</i>

30th CURRENT COURSE ON IMMUNOGENETICS DIDACTIC AND LABORATORY PARTS

MONDAY JULY 25

- 8.00-9.00** *Registration Open*
Laboratory: Blood Drawing
- 9.00-9.30 Opening Ceremony. General Director of InDRE
CELIA ALPUCHE
- 9.30-10.20 Concepts in Immunology Relevant to Immunogenetics
CLARA GORODEZKY
- 10.20-11.20 The Human MHC: HLA. Genetic Organization, Structure and Polymorphism
CLARA GORODEZKY
- 11.20-11.40** **COFFEE BREAK**
- 11.40-12.30 Antigen Presentation. The Role of HLA Molecules in Cellular Interactions
ANDREA ZACHARY
- 12.30-1.15 Basic Principles of Population Genetics
ANDREA ZACHARY
- 1.15-2.00** **CONFERENCE AND LUNCH OFFERED BY BIODIST**
LIFE technologies Solution to Resolution
INTA VELDRE – Life Technologies Product Manager.
- 2.00-2.45** **LUNCH BIODIST**
- 2.45-3.40 The Genomics Approach to Complex Chronic Diseases
LORENA OROZCO
- 3.40-4.30 Molecular Analysis of Congenital Malformations and of Mendelian Diseases
ARIADNA GONZALEZ DEL ANGEL
- 4.30-8.00** *Laboratory Part: Isolation of Mononuclear Cells. Methods of Isolation of Lymphocyte Subtypes: Nylon, Monoclonal Antibodies, Magnetic-Beads. HLA Typing by Microlymphocytotoxicity with Double Fluorescence Staining. Reading and Interpretation*
- | | | |
|------------------------------|----------------------------|--------------------------|
| FERNANDA PÉREZ | REBECA CEBALLOS | ALEJANDRA VÁZQUEZ |
| BLANCA E. ROMERO | DANAEÉ RODRÍGUEZ | ELIZABETH SOLÍS |
| CHRISTIÁN VILÑLASEÑOR | JOSE ANTONIO SIERRA | |

TUESDAY, JULY 26

- 8.00-9.00** *Laboratory Part: Reading and Interpretation Discussion of the Results of HLA Typing*
RICARDO ORDOÑEZ **FERNANDA PÉREZ** **DANAEÉ RODRÍGUEZ**
ALEJANDRA VÁZQUEZ **REBECA CEBALLOS** **ELIZABETH SOLÍS**
BLANCA E. ROMERO **CHRISTIÁN VILÑLASEÑOR** **JOSE ANTONIO SIERRA**
- 9.00-9.50 Relevance of Genetics in Parasitic Diseases. Neuro-Cysticercosis as an Example
GLADIS FRAGOSO
- 9.50-10.50 The MHC and Disease. Molecular Mechanisms of HLA Autoimmune and Other Diseases
CLARA GORODEZKY
- 10.50-11.10** **COFFEE BREAK**

- 11.10-12.00 Methods for Isolation of Cell-Subpopulations: FACS and Other Solid Phase Assays
DOD STEWART
- 12.00-12.45 HLA Typing By Microlymphocytotoxicity. Screening and QC of the Anti-sera and the Complement
DOD STEWART
- 12.45-1.30 CONFERENCE AND LUNCH OFFERED BY ABALAT (ONE LAMBDA Distributor)**
Screening of Donor Specific Antibodies in Highly Sensitized Patients
MARCELO J. PANDO
- 1.30-2.15 LUNCH-ABALAT (ONE-LAMBDA Distributor)**
- 2.15-8.00 Laboratory Part: Cross-Matching Testing. Identification of Antibodies Using Cell-Panel. Interpretation Of The Results**
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|-------------------------------|------------------------------|----------------------------|
| <u>RICARDO ORDOÑEZ</u> | FERNANDA PÉREZ | DANAEÉ RODRÍGUEZ |
| ALEJANDRA VÁZQUEZ | REBECA CEBALLOS | ELIZABETH SOLÍS |
| BLANCA E. ROMERO | CHRISTIÁN VILÑLASEÑOR | JOSE ANTONIO SIERRA |

WEDNESDAY JULY 27

- 8.15-9.00 Problems and Strategies for the Accreditation of an Immunogenetics Laboratory in Latin-America
ALEJANDRA VAZQUEZ
- 9.00-9.45 Current Methodology and Clinical Significance of Cross-Matching for Solid Organ Transplantation. FACS and Other Novel Methods
DOD STEWART
- 9.45-10.30 Optimization of the Use of Solid Phase Assays for Antibody Detection
ANDREA ZACHARY
- 10.30-11.15 HLA Molecular Typing in The Clinical Laboratory
RAJA RAJALINGAM
- 11.15-11.35 COFFEE BREAK**
- 11.35-12.15 HLA Typing for Solid Organ Transplantation
RAJA RAJALINGAM
- 12.15-1.00 Identification of HLA Antibodies in Patients Using Cytotoxic and Flow Cytometric Assays
DOD STEWART
- 1.00-1.30 "CELEBRATING 30 YEARS: HIGHLIGHTS OF THE MEXICO WORKSHOPS"**
RICARDO ORDOÑEZ
- 1.30-2.15 CONFERENCE AND LUNCH OFFERED BY GEN-PROBE TRANSPLANT DIAGNOSTICS**
Current Lifecodes Technology: Luminex Testing for DNA and HLA Antibodies
KELLY COUSINS
- 2.15-3.00 LUNCH-GEN-PROBE TRANSPLANT DIAGNOSTICS**
- 3.00-8.00 Laboratory Part: Identification of Anti-HLA Antibodies 1. ELISA and Arraybeads Multi-Analyte System 2. Discussion of Results.**
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|-------------------------------|-----------------------------|-----------------------------|
| CARMEN ALAEZ | <u>KELLY COUSINS</u> | DAVID GARCIA |
| <u>RICARDO ORDOÑEZ</u> | ANDREA MUNGUÍA | ARACELI RODRIGUEZ |
| DANAEÉ RODRIGUEZ | FERNANDA PEREZ | REBECA CEBALLOS |
| ALEJANDRA VAZQUEZ | BLANCA E. ROMERO | CHRISTIAN VILLASEÑOR |

THURSDAY, JULY 28

- 8.45-9.45 KIR Genes (Immunoglobulin-Like Receptors): Diversity, Polymorphism and Evolution
RAJA RAJALINGAM
- 9.45-10.40 KIR-HLA Combinations and Their Relevance in Health and Disease
RAJA RAJALINGAM
- 10.40-11.30 Relevant Antibodies For Organ Transplantation
ANDREA ZACHARY
- 11.30-11.50 COFFEE BREAK**
- 11.50- 12.40 Cellular Monitoring In Solid Organ Transplantation
SUE LEFFELL
- 12.40-1.30 Novel Role of HLA Antibodies in The Pathogenesis of Solid Organ Rejection
ANDRÉS JARAMILLO
- 1.30-2.15 CONFERENCE OFFERED BY CORNING LIFE SCIENCES**
Microplate Selection for Luminescence, Fluorescence and other Assays
PILAR PARDO
- 2.15-3.00 LUNCH-CORNING LIFE SCIENCES**
- 3.00-8.00 Laboratory Part: Quantitation of CD34+ Cells in Bone Marrow or Peripheral Blood Stem Cells by Flow Cytometry.**
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|--------------------------|------------------------|-----------------------------|
| ALEJANDRA VAZQUEZ | MARTHA MERCADO | FERNANDA PEREZ |
| DANAEE RODRIGUEZ | REBECA CEBALLOS | CHRISTIAN VILLASEÑOR |
| BLANCA E. ROMERO | ELIZABETH SOLIS | |

FRIDAY, JULY 29

- 8.00-8.40 Discussion of Global Laboratory Results**
- 8.40-9.15 Cell Recovery in Heart and Lung
RUBEN ARGUERO
- 9.15-10.10 Identification of Tumor and Minor Histocompatibility Antigens Using SEREX Analysis
ANDRÉS JARAMILLO
- 10.10-11.00 Immunological Features of HSC Transplantation
SUE LEFFELL
- 11.00-11.15 COFFEE BREAK**
- 11.15-12.00 Biological Significance of the MHC in Natural Selection: Mate Selection vs. Disease Risk
ANDRÉS JARAMILLO
- 12.00-12.40 Ethical and Legal Aspects Of Solid Organ Transplantation
ARTURO DIB KURI
- 12.40-1.30 Characteristics of Public Cord Blood Banks-**BACECU**: Analysis of Stored Units and of Clinical Outcome
CLARA GORODEZKY
- 1.30-2.15 **CONFERENCE-LUNCH MILTENYI BIOTEC**
Basic and Clinical Application of Cells Isolated With Magnetic Beads
FRANK KÜNDEL

2.15-3.00 LUNCH-MILTENYI BIOTEC

3.00-3.40 Impact of Genetic Diversity in Unrelated Bone Marrow Donor Registries: The Mexican Registry-
DONORMO
CLARA GORODEZKY

3.40-4.30 Defining the T-Cell Response Against Mammaglobin-A: Toward a Breast Cancer Vaccine
ANDRÉS JARAMILLO

4.20 -5.10 Immunogenetics in Pharmacogenomics and Vaccine Design
SUE LEFFELL

5.10 -5.25 COFFEE BREAK

5.25 -6.10 Biological Relevance of Molecular Anthropology on the Epidemiology of Human Populations
CLARA GORODEZKY

6.10-7.00 ***“THE 30th ANNIVERSARY SPECIAL LECTURE”***
Histocompatibility Evolution After 50 Years of Transplantation
SUE LEFFEL

7.00–7.45 Delivery of Diplomas. Adjourn

8.30-1.00 AM SPECIAL BANQUET “Celebrating the 30th Anniversary” OFFERED BY: Abbott Molecular,
Corning Life Sciences, One Lambda & Uniparts

26th CURRENT COURSE ON MOLECULAR GENETICS DIDACTIC AND LABORATORY PARTS

MONDAY, AUGUST 1st

- 9.00-9.30 Opening Ceremony. General Director of InDRE
CELIA ALPUCHE
- 9.30-10.30 Applying Pharmacogenetics and Pharmacogenomics
MARISOL LOPEZ
- 10.30-11.20 Genetic Expression
HOMERO HERNANDEZ
- 11.20-11.40 COFFEE BREAK**
- 11.40-12.35 Molecular Epidemiology and Genomics
CLARA GORODEZKY
- 12.35-1.25 Protective and Toxic Effects of the TAU Protein in Alzheimer Disease
RAÚL MENA
- 1.25-2.10 CONFERENCE AND LUNCH OFFERED BY QIAGEN**
Methods of DNA and RNA Extraction from Different Tissues
JACOBO ZUÑIGA
- 2.10-3.00 LUNCH OFFERED BY QIAGEN-MEXICO**
- 3.00-3.45 Theory and Practical Basis of PCR
CARMEN ALAEZ
- 3.45-8.00 Laboratory Part: Extraction and Purifying Of DNA Using Different Methods. Obtaining PCR Products for the Different Techniques. Electrophoresis Of The PCR Product. PCR-SSP**
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|--------------------------|-----------------------------|-------------------------|
| CARMEN ALAEZ | ANDREA MUNGUIA | HILARIO FLORES |
| DAVID NORDMAN | CAROLINA HERNANDEZ | DIEGO SANCHEZ |
| ARACELI RODRIGUEZ | DAVID GARCIA | LAURA TOVAR |
| KARIM R. MARTINEZ | FELICITAS MANZANAREZ | PATRICIA MUNGUIA |

TUESDAY, AUGUST 2

- 8.15-9.15 Genetic Organization and The Role of of The MHC Genes in Physiology
CLARA GORODEZKY
- 9.15-10.15 The MHC: Polymorphism, Evolution and Biological Significance
GAO XIAOJIANG (En Inglés)
- 10.15-11.10 The MHC and Disease: Molecular Mechanisms of the Associations
DAVID SENITZER
- 11.10-11.55 Technology for the Use in Human Identity and its Application
CARMEN ALAEZ
- 11.55-12.15 COFFEE BREAK**
- 12.15-12.55 Basics and Theory of Sequencing. Sequence Based Typing of Class I and Class II Genes
CARMEN ALAEZ

- 12.55-1.45 Relevant Molecular Methods for Detection of HLA Polymorphisms. Resolution of Ambiguities According to the Application
MARCELO FERNANDEZ-VIÑA
- 1.45-2.30 **CONFERENCE AND LUNCH OFFERED BY CELERA**
Real-Time PCR: Application for Engraftment Monitoring After Hematopoietic Stem Cell Transplantation
JAN CAPPER
- 2.30-3.15 LUNCH-CELERA**
- 3.15- 4.00** Clonality Detection in Leukemia and Lymphoma by Real-Time PCR.
HERBERT GARCIA CASTILLO
- 4.00-8.00** **Laboratory Part: PCR-SSP. Gene-Scan. Cont. Of DRB1 Sequencing . Real-Time PCR for Allelic Discrimination**
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|-----------------------------|--------------------------|---------------------------|
| CARMEN ALAEZ | JAN CAPPER | DAVID NORDMAN |
| ANDREA MUNGUIA | LAURA TOVAR | CAROLINA HERNANDEZ |
| HILARIO FLORES | ARACELI RODRIGUEZ | DAVID GARCIA |
| DIEGO SANCHEZ | KARIM MARTINEZ | PATRICIA MUNGUIA |
| FELICITAS MANZANARES | | |

WEDNESDAY, AUGUST 3

- 8.30- 9.20 Massive Sequencing of the Genome and its Application in Diagnostics
LAURA TOVAR
- 9.20-10.15 HLA Classic Typing Combined with the Analysis of Non Coding Polymorphisms Relevant for Mapping of Susceptibility/Resistance Markers in Disease
MARCELO FERNANDEZ-VIÑA
- 10.15-11.15 The Role of Killer Immunoglobulin Like Receptors (KIR) and Their Ligands In Hematopoietic Stem Cell (HSC) Transplantation
DAVID SENITZER
- 11.15-11.35 COFFEE BREAK**
- 11.35-12.35 Molecular Typing of KIR Genes and Its Relevance in AIDS Survival
GAO XIAOJIANG (En Inglés)
- 12.35-1.20 **CONFERENCE AND LUNCH OFFERED BY INNOGENETICS**
Diagnostic Assays for HLA and for Genetic Disorders
MATT MOORE
- 1.20-2.15 LUNCH-INNOGENETICS**
- 2.15-8.00** **Laboratory Part: Reverse Dot-Blot For HLA Typing. Arraybeads Multi-Analyte SSOP System for HLA Class II Typing, Using Luminex Technology. Sequence Based Typing (Cont.)**
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|-----------------------|---------------------------|-----------------------------|
| CARMEN ALAEZ | DAVID NORDMAN | JAN CAPPER |
| HILARIO FLORES | ANDREA MUNGUIA | DIEGO SANCHEZ |
| LAURA TOVAR | CAROLINA HERNANDEZ | FELICITAS MANZANARES |
| DAVID GARCIA | ARACELI RODRIGUEZ | KARIM R. MARTINEZ |

THURSDAY, AUGUST 4

- 9.00-10.00 Immunobiology of Minor Histocompatibility Antigens (mHA)
CARMEN ALAEZ
- 10.00-11.00 Monitoring Relapse and/or Rejection in HSCs Transplantation
DAVID SENITZER
- 11.00-11.30 COFFEE BREAK**
- 11.30-12.30 Impact of NIMAs (Non-Inherited Mother Antigens) in Cord Blood Donors Selection for HSC Transplantation
CRISTINA NAVARRETE
- 12.30-1.15 CONFERENCE AND-LUNCH OFFERED BY UNIPARTS**
Applications of Quantitation PCR
- 1.15-2.00 LUNCH-UNIPARTS**
- 2.00-2.50 Chronic Myeloid Leukemia, Oxidative Stress and Pharmacogenomics
EMILIO CORDOVA
- 2.50-3.40 Matchmaker Use With the Epitope Matching Algorithm for Choosing Compatible Donors for HSC Transplantation
CRISTINA NAVARRETE
- 3.40-4.30 Why do Some Individuals Control HIV and Other Infections? Role of MHC and KIR genes
GAO XIAOJIANG (En Inglés)
- 4.30-8.00 Laboratory: Demonstration Of The Dot Blot Technique Using Chemiluminescence: Interpretation of SSP, Reverse Dot-Blot, Gene Scan, and Sequence Based Typing**
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|---------------------------|-----------------------------|-----------------------|
| CARMEN ALAEZ | DAVID NORDMAN | JAN CAPPER |
| CAROLINA HERNANDEZ | HILARIO FLORES | ANDREA MUNGUIA |
| LAURA TOVAR | ARACELI RODRIGUEZ | DAVID GARCIA |
| KARIM MARTINEZ | FELICITAS MANZANAREZ | DIEGO SANCHEZ |
| PATRICIA MUNGUIA | | |

FRIDAY, AUGUST 5

- 8.30-9.15 Impact of HLA Classic and Non-Classic Mismatches in Unrelated HSCs Transplantation
MARCELO FERNANDEZ-VIÑA
- 9.15-10.00 Gene Regulation in Cancer
ALICIA CERVANTES
- 10.00-10.45 Relevance of the MHC and the KIR Genes in Autoimmunity and in Reproductive Loss
GAO XIAOJIANG (En Inglés)
- 10.45-11.00 COFFEE BREAK**
- 11.00-11.50 Molecular Mechanisms of HLA Disease Association in Tuberculosis and Leprosy
CLARA GORODEZKY
- 11.50-12.40 Unrelated Donor and Cord Blood Search Strategies for HSC Transplantation
CLARA GORODEZKY
- 12.40-1.25 CONFERENCE AND LUNCH OFFERED BY PROMEGA CORP.**
A workflow solution for transplant monitoring
MONICA PEREZ

- 1.25-2.10 LUNCH- PROMEGA CORP.**
- 2.10-3.10 Immunoregulatory Function of Blood and Cord Blood Mesenchymal Cells
CRISTINA NAVARRETE
- 3.10-4.00 Diagnosis and Treatment including HSC Transplantation of Lysosomal Diseases
GENZYME
- 4.00-4.50 Gene Copy Number Variants in HSC Transplantation
DAVID SENITZER
- 4.50 – 5.10 COFFEE BREAK**
- 5.10- 6.00 Ethical Aspects and Applications of HSC From Umbilical Cord for HSC Transplantation and Ethics of Bio-Banks
CLARA GORODEZKY
- 6.00 –6.50 Genetic Diversity of Open as Well as Endogamous Populations
MARCELO FERNANDEZ-VIÑA
- 7.00 - 7.40 Delivery of Diplomas. Adjourn**
- 8.30 - 1.00 AM BANQUET OFFERED BY: Abbott Molecular, Corning Life Sciences, One Lambda, Uniparts**

INTERNATIONAL FACULTY

SUE LEFFELL

Immunogenetics Laboratory
Johns Hopkins University
Baltimore, Maryland, USA

MARCELO FERNANDEZ-VIÑA

Immunogenetics and Disease
Profiling Laboratory.
Stanford University. Stanford
Medical School Blood Center
Palo Alto, California

CRISTINA NAVARRETE

The British Bone Marrow Register
(BBMR) and NHS-Cord Blood
Bank
London, UK

ANDRÉS JARAMILLO

Transplant Immunology Lab.
Division of Organ
Transplantation. Feinberg School
of Medicine, Northwestern
University
Chicago, Illinois, USA

DAVID NORDMAN

Gen-Probe Transplant Diagnostics
Stamford, Connecticut, USA

GAO XIAOJIANG

Cancer & Inflammation Program
National Cancer Institute
SAIC-Frederick
Frederick, Maryland, USA

DOD STEWART

Laboratory Consultant
AFDT (American Foundation For
Donation & Transplantation)
NEW Orleans, Louisiana, USA

DAVID SENITZER

Histocompatibility Laboratory
City of Hope, National Cancer
Center
Duarte, California, USA

RICARDO ORDOÑEZ

One Lambda, Inc.
Los Angeles, California USA

ANDREA ZACHARY

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Johns Hopkins University
Baltimore, Maryland, EUA
New Orleans, Louisiana, USA

RAJA RAJALINGAM

Immunogenetics Laboratory
UCLA Medical School
Los Angeles, California, USA

KELLY COUSINS

Gen-Probe Transplant
Diagnostics Stamford,
Connecticut, USA

JAN CAPPER

Celera Corp.
San Francisco, California, USA

NATIONAL FACULTY

RUBÉN ARGUERO

Unidad Cardiorácica, Centro Médico ABC

CAROLINA HERNÁNDEZ

Life Technologies de México

HOMERO HERNÁNDEZ

Depto. de Biología Celular. Facultad de Química, UNAM

REBECA CEBALLOS

Lab. de Inmunología. Depto. de Microbiología, Universidad Autónoma de Aguascalientes

ALICIA CERVANTES

Servicio de Genética. Hospital General de México, OD./Facultad de Medicina, UNAM

ARTURO DIB KURI

Centro Nacional de Trasplantes, Secretaría de Salud

MARISOL LÓPEZ

Depto. de Sistemas Biológicos. División de Ciencias Biológicas y de la Salud. UAM

GLADIS FRAGOSO

Depto. de Inmunología. Instituto de Investigaciones Biomédicas, UNAM

ARIADNA GONZÁLEZ DEL ÁNGEL

Depto. de Investigación en Genética Humana. Instituto Nacional de Pediatría, Secretaría de Salud

CLARA GORODEZKY

Depto. de Inmunología e Inmunogenética, InDRE, Secretaría de Salud

RAÚL MENA

Depto. de Fisiología y Neurociencias, CINVESTAV, IPN

MARTHA MERCADO

Uniparts S.A. DE C.V.

BLANCA E. ROMERO

Lab. de Inmunología. Depto. de Microbiología, Universidad Autónoma de Aguascalientes

EMILIO CÓRDOVA

Lab. de Investigación en Enfermedades Complejas. INMEGEN, Secretaría de Salud

LAURA TOVAR

Life Technologies de México

LORENA OROZCO

Lab. de Investigación en Enfermedades Complejas. INMEGEN. Secretaría de Salud

HERBERT GARCÍA CASTILLO

Life Technologies de México

LUNCH PRESENTATIONS

MATT MOORE

Innogenetics
Alpharetta, Georgia, USA

KELLY COUSINS

Gen-ProbeTransplant
Diagnostics
Stamford, Connecticut,
USA

VERÓNICA ELIZABETH TEJEDA

Uniparts S.A. de C.V.
Mexico

JAN CAPPER

Celera Corp.
San Francisco, California, USA

JACOBO ZUÑIGA

QIAGEN México
México, D.F.

INTA VELDRE

Life Technologies Product Manager
Brown Deer, USA

MÓNICA PÉREZ

Promega Corp.
Madison, Wisconsin, USA

FRANK KÜNDEL

Miltenyi-Biotec, GmbH
Bergisch Gladbach
Alemania

PILAR PARDO

Corning Life Sciences
Houston, Texas, USA

MARCELO J. PANDO

Histocompatibility, Immunogenet.
& Profiling Lab, Stanford University
School of Medicine; Stanford
Medical School Blood Center
Palo Alto, California, USA

FACULTY AND COLLABORATORS OF THE DEPARTMENT OF IMMUNOLOGY & IMMUNOGENETICS, InDRE

CARMEN ALÁEZ

ANGÉLICA ARROYO

DORA RUBIO

DAVID GARCÍA

FELÍCITAS MANZANARES

FERNANDA PÉREZ

PATRICIA MUNGUÍA

GRACIA MORENO

HILARIO FLORES

ANDREA MUNGUÍA

ARACELI RODRÍGUEZ

ELIZABETH SOLÍS

JOSÉ ANTONIO SIERRA

ALEJANDRA VÁZQUEZ

DIEGO SÁNCHEZ

BEATRIZ LAMADRID

KARIM R. MARTÍNEZ

JANI TREJO

DANAÉE RODRÍGUEZ

ALEJANDRO HERNÁNDEZ

ALMA DELIA VÁZQUEZ

SUPPORTING COMPANIES

ACCESOLAB, S.A.. DE C.V.

ABBOTT LABORATORIES DE MEXICO, S.A. de C.V.

BIO-RAD, LIFE SCIENCE GROUP S.A.

LIFE TECHNOLOGIES

CORNING LIFE SCIENCES

GEN-PROBE TRANSPLANT DIAGNOSTICS

METRIX LABORATORIOS S.A. de C.V.

NOVARTIS FARMACEUTICA, S.A. de C.V.

INTERLAB MEXICO, S.A. de C.V

INDUSTRIAS BIOSELEC S.A. de C.V.

ONE LAMBDA, Inc.

MILTENYI BIOTEC, GmbH

GENZYME MEXICO S.A. De C.V.

BIODIST, S.A. de C.V.

QIAGEN, MEXICO, Inc.

ABBOTT MOLECULAR, Inc.

PROMEGA Corp.

INNOGENETICS, Inc.

CELERA, Corp.

MCD Lab, S.A. de C.V.

NEW ENGLAND BIOLABS

ABALAT, S.A. de C.V.

SCIMERICAS S.A. de C.V.

INNO-TRAIN Diagnostik GmbH

IMPROMED S. A. de C.V

UNIPARTS, S.A. de C.V.

PROTRANS GmbH