



JOINT MEETING

SPECIAL SYMPOSIUM ON:
"TRANSPLANTATION IN THE
HYPERIMMUNIZED PATIENT"

INTERNATIONAL PANCREAS
AND ISLET TRANSPLANT
ASSOCIATION

INTERNATIONAL
XENOTRANSPLANTATION
ASSOCIATION

IPITA-IXA 2009

VENICE, ITALY
OCTOBER 12-16 2009

FINAL PROGRAMME

JOINT MEETING IPITA -IXA 2009 BOARD

INTERNATIONAL PANCREAS AND ISLET TRANSPLANT

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Camillo Ricordi, Congress Chair

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INTERNATIONAL XENOTRANSPLANTATION

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Leo Buhler

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IN ORGAN TRANSPLANTATION



WELCOME TO VENICE

Dear Colleague,

It is our pleasure to invite you to the Joint IPITA-IXA 2009 Meeting, scheduled for October 12-16, 2009 in Venice, Italy.

The most eminent scientists and clinicians will be invited to share their knowledge and experience with us.

The Meeting will include state-of-the-art lectures, oral communications, poster presentations and the Special Symposium on "Transplantation in the hyperimmunized patient" that will take place on October 14, 2009.

The Meeting will be held at the Palazzo del Casinò of the Venice Congress Center on Venice Lido, just a short ferry ride from the world-famous St. Mark's Square. The Palazzo will be the perfect venue to host this international event.

We hope you will join us in magical Venice, a city of painted palaces and shimmering waters.

We look forward to welcoming you to Venice in 2009!

Camillo Ricordi
IPITA Congress Chair

Emanuele Cozzi
IXA Congress Chair

Ermanno Ancona
Venice LOC Chair

12:00-17:00

Symposium on:

**“Collagenase Enzyme Blends for Human Islet Isolation:
Efficacy, Useful Additives, Safety and cGMP/GCP-Regulations”**

Chairpersons: **P. Johnson**, Oxford-UK
B. Hering, Minneapolis-USA

Speakers include: **F. Bertuzzi**, Milan-I;
H. Ichii, Miami-USA;
D. Brandhorst, Uppsala-S;
P. Johnson, Oxford-UK;
Representatives from **ROCHE**, **SERVA** and **VitaCyte**;
other experts

18:00-19:30

IPITA-IXA WELCOME RECEPTION

12 October 2009

13 October 2009

14 October 2009

15 October 2009

16 October 2009

IPITA SESSIONS

IPITA SESSIONS

SPECIAL SYMPOSIUM

JOINT IXA/IPITA SESSIONS

IXA SESSIONS

JOINT IXA/IPITA SESSIONS

TRANSPLANTATION IN THE
HYPERIMMUNIZED PATIENT

IXA SESSIONS

IPITA Sessions

MONDAY 12 OCTOBER, 2009

FIRST DAY

MONDAY 12 OCTOBER, 2009

PALAZZO DEL CASINO'

8:00-8:15

Welcome address

Local Organizing Chair/President IPITA

8:15-10:15

IPITA MAIN PLENARY SESSION 1

PANCREAS ORGAN AND BETA CELL AVAILABILITY

Donor preconditioning and pancreas recovery: do's and don'ts

H. Arbogast, Munich -D

Pancreas preservation: standard and novel methods

S. Nadalin, Tübingen -D

Organ allocation: Which pancreas for vascularized pancreas or isolated islet transplant

P. Johnson, Oxford -UK

Islet preservation and preconditioning prior to transplantation

K. Pappas, Minneapolis-USA

10:15-10:45

COFFEE BREAK

10:45-13:00

PARALLEL PLENARY SESSION 1

CLINICAL ISLET TRANSPLANTATION

CITR Report 2009

R. Alejandro, Miami-USA

Current and Future Clinical Trials

J. Shapiro, Edmonton-USA

Metabolic studies to assess islet mass and function

M. Rickels, Philadelphia-USA

Islet transplantation for children: are we ready?

C. Ricordi, Miami -USA

PARALLEL PLENARY SESSION 2

PANCREAS TRANSPLANTATION: THE NEXT WAVE OF CREATIVITY

Clinical research: Results of pancreas transplantation and effects on secondary complications

A. Secchi, Milan-I

Risk/Benefit Ratio of PAK: Is there a case for LD kidney or SPK as the only choice?

J. Odorico, Madison-USA

The gold standard for T1D and ESRD- SPK

H. Sollinger, Madison-USA

What does the field need for the next wave of creativity?

D. Sutherland, Minneapolis-USA

13:00-14:15

LUNCH, POSTERS AND LUNCHTIME PARALLEL WORKSHOPS

13:00-13:55

Lunchtime Parallel Workshops

LUNCHTIME WORKSHOP 1

OPTIMIZED ISLET ISOLATION AND ISLET GRAFT RELEASE CRITERIA

Protective substances during islet isolation and culture: myths and facts

J. Oberholzer, Chicago-USA

Dissecting and predicting islet function after isolation

L Fernandez, Madison-USA

Islet “graft shaping” and product release criteria: current status and future options

R. Lehmann, Zurich-CH

Lunchtime Workshop 2

NOVEL IMMUNOSUPPRESSIVE PROTOCOLS FOR PANCREAS TRANSPLANTATION

Long term results of steroid-free immunosuppression in pancreas transplantation

A. Humar, Pittsburg-USA

CNI-free immunosuppression in pancreas transplantation

R. Kandaswamy, Minneapolis-USA

Campath induction - Long term follow-up

P. Friend, Oxford-UK

14:15-15:45

PARALLEL SESSIONS 1-2-3-4-5: OPEN ORAL PRESENTATIONS

15:45-16:15

COFFEE BREAK

16:15-17:30

IPITA MAIN PLENARY SESSION 2

ALTERNATIVE INSULIN-PRODUCING TISSUES

Embryonic stem cell-derived beta cells

H. Semb, Lund-SW

Endogenous beta cell regeneration

H. Heimber, Brussels-B

Expansion of adult human beta cells

S. Efrat, Tel Aviv-IL

Mesenchymal stem cells as a source of insulin producing cells

G. Korbutt, Edmonton-USA

17:35-18:15

PARALLEL PRO VS. CON DEBATES - CURRENT CONTROVERSIES

Beta cell regeneration occurs normally in humans

Pro Speaker to be confirmed

Con **A. Clark**, Oxford-UK

Treatment of choice for non-uremic hyperglycemic unawareness is islet transplantation

Pro **B. Hering**, Minneapolis-USA

Con **S. Bartlett**, Baltimore-USA

20:00-23:30

IPITA Social Programme, Scuola Grande di San Rocco



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IXA SESSIONS

IPITA Sessions Joint IXA/IPITA Sessions

TUESDAY 13 OCTOBER, 2009

SECOND DAY

TUESDAY 13 OCTOBER, 2009 | PALAZZO DEL CASINO'

6:45-7:45

IPITA Council Meeting (Hotel Des Bains)

8:00-9:45

IPITA MAIN PLENARY SESSION 3

CELLULAR IMMUNOTHERAPEUTICS AND IMMUNOREGULATION

Mesenchymal stem cells/BM-mediated immunomodulation

L. Piemonti, Milan-I

Immunomodulation by dendritic cells

M. Trucco, Pittsburgh-USA

Inhibitory signals and T regulatory cells in control of islet allo- and autoimmunity

C.C. Anderson, Edmonton-USA

Drug interference in immune regulation

M. Saeman, Wien-A

9:45-10:15

IPITA Presidential address

10:15-10:45

COFFEE BREAK

10:45-13:00

PARALLEL SESSIONS 6-7-8-9-10: OPEN ORAL PRESENTATIONS

13:00-14:15

LUNCH, POSTERS AND LUNCHTIME PARALLEL WORKSHOPS

13:00-13:55

Lunchtime Parallel Workshops

LUNCHTIME WORKSHOP 3

ISLET IMAGING

Functional imaging of islet mass

W. Malaisse, Brussels-B

MRI imaging of grafted allogenic islets in transplant patients

C. Toso, Geneva-CH

PET imaging of islet transplant recipients

T. Lundgren, Uppsala-SW

LUNCHTIME WORKSHOP 4

POST-TRANSPLANT ENDOCRINE DISORDERS

Post-transplant (new onset) diabetes mellitus

P. Senior, Edmonton-USA

Guidelines and recommendations for the management of PTDM

N. Ewald, Giessen-D

Post-transplant Osteoporosis

J. Floege, Aachen-DN

14:15-15:45

PARALLEL PLENARY SESSION 3

LATE ISLET GRAFT FAILURE

Monitoring islet destruction

T. Berney, Geneva-CH

Autoimmunity

J. Palmar, Seattle-USA

Diabetogenic Immunosuppression

J. Markmann, Boston-USA

Recent advances in “in-vivo” islet imaging

L. Laurent, Novartis Pharma-CH

14:15-15:45

PARALLEL PLENARY SESSION 4

METABOLIC AND TRANSPLANT SURGERY FOR TYPE II DIABETES

Introduction: Does surgery for T2D make sense?

S. Bartlett, Baltimore-USA

Metabolic surgery for obese patients with T2D

F. Pattou, Lille-Fr

Metabolic surgery for non-obese patients with T2D

F. Rubino, Cornell-USA

Pancreatic transplantation for patients with T2D and ESRD

R. Stratta, Winston-Salem-USA

JOINT IPITA-IXA MEETING

14:00-14:15

Introduction to the Joint IPITA-IXA Meeting

Jeremy Chapman, President TTS

Reinhard Bretzel, President IPITA

Robin Pierson, President IXA

14:15-15:45

JOINT IPITA-IXA PLENARY SESSION 1

CONSENSUS ON THE INFECTIOUS RISK IN XENOTRANSPLANTATION

Overview: risk assessment in Xenotransplantation

J. A. Fishman, Boston-USA

PERV: Donor screening and Post-transplant detection

J. Denner, Langen-D

Blocks to retroviral infection: How real is human risk?

R. Toenjes, Langen-D

Herpes viruses and interspecies infectious risk

N. Muller, Zurich-CH

Conclusions and discussion

J.A. Fishman, Boston-USA

15:45-16:00

COFFEE BREAK

16:00-18:00

JOINT IPITA-IXA PLENARY SESSION 2

PROGRESSION TOWARDS CLINICAL ISLET XENOTRANSPLANTATION

The Transplantation Society - the expanding role: science, clinical practice, education, ethics and regulations.

J. Chapman, Sydney-Aus

Pig-to-primate islet xenotransplantation: state of the art

B. Hering, Minneapolis-USA

Ethics: safety versus efficacy

H. Van der Pool, Galveston-USA

Regulatory requirements for clinical xenotransplantation

K. Wonnacott, Rockville-USA

Application for a clinical xenotransplantation trial: New Zealand as an example of a regulatory process

S. Jessamine, Wellington-NZ

The role of the WHO and the Changsha communiqué

L. Noel, Geneva-CH

ROUND TABLE

F. L. Delmonico, Boston-USA; **C. Groth**, Stockolm-Swe; **H. Van der Pool**, Galveston-USA; **M. Sykes**, Boston-USA; **W. Wang**, Changsha-Cn; **L. Noel**, Geneva-CH; **R. Pierson**, Baltimore-USA; **M. Tallacchini**, Milan-I

18:00-18:35

JOINT IPITA-IXA PARALLEL SESSIONS 1

JOINT IPITA-IXA PARALLEL SESSION 1

Presentation of Derek Gray Fellowship Award

P. Johnson, Oxford-UK

D. Gray, Oxford-UK

Presentation of IPITA Congress Fellowships

Paul Lacy Memorial Lecture

R. Rajotte, Edmonton-USA

JOINT IPITA-IXA PARALLEL SESSION 2

IXA PRESIDENTIAL ADDRESS

Presentation of IXA Congress Fellowships

Presentation of IXA Honorary Membership

18:40-19:15

JOINT IPITA-IXA PARALLEL SESSIONS 2

JOINT IPITA-IXA PARALLEL SESSION 3

IPITA General Business Meeting

JOINT IPITA-IXA PARALLEL SESSION 4

IXA General Business Meeting



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TRANSPLANTATION IN THE
HYPERIMMUNIZED PATIENT

IXA SESSIONS

Special Symposium

“Transplantation in the Hyperimmunized Patient”

WEDNESDAY 14 OCTOBER, 2009

THIRD DAY

WELCOME TO THE SPECIAL SYMPOSIUM

Dear Colleague,

*It is our pleasure to invite you to the special Symposium entitled “**Transplantation in the hyperimmunized patient**” to be held in Venice (Italy) on 14 October 2009, in the context of the Joint IPITA-IXA 2009 Meeting.*

This important international event will be timely and most valuable in light of the increasing transplant activity, major developments, and unprecedented progress and opportunities in this area.

The Symposium will include state-of-the art lectures on the fundamental immunological concepts and diagnostic tools, on the clinically relevant antibodies, on the pathology and clinical management of the hyperimmunized patient. Oral communications and poster presentations will also be included. In addition, a lot of room will be dedicated to discussions with internationally renowned speakers who will share their knowledge and experience with us and bring us up-to-speed with the latest developments in this challenging field.

We look forward to welcoming you to Venice for this event!

Camillo Ricordi
IPITA Congress Chair

Emanuele Cozzi
IXA Congress Chair

Ermanno Ancona
Venice LOC Chair

WEDNESDAY 14 OCTOBER, 2009 | PALAZZO DEL CASINO'

SPECIAL SYMPOSIUM

SPECIAL SYMPOSIUM SESSION I

IMMUNOLOGICAL CONCEPTS AND DIAGNOSTIC TOOLS

8:00-8:25

The hyperimmunized patient

Joseph Grinyó, Barcelona (E)

8:25-8:50

B cell immunobiology

Kathryn Wood, Oxford (UK)

8:50-9:15

What can we learn from ABO incompatible cardiac transplantation in children?

Lori West, Edmonton (CDN)

9:15-9:40

The Humoral Theory of transplantation

Paul Terasaki, Los Angeles (USA)

9:40-10:05

New diagnostic tools

Andrea Zachary, Baltimore (USA)

10:05-10:30

Discussion

10:30-10:45

COFFEE-BREAK

SPECIAL SYMPOSIUM SESSION II

CLINICALLY RELEVANT ANTIBODIES

10:45-11:10

Clinical relevance of anti-HLA antibodies

Denis Glotz, Paris (F)

11:10-11:35

Clinical relevance of anti-MICA and MICB antibodies

Suzanne Fuggle, Oxford (UK)

11:35-12:00

Clinical relevance of other anti-non-HLA antibodies

Marlene Rose, London (UK)

12:00-12:25

Impact of preformed anti-HLA antibodies on clinical islet survival

James Shapiro, Edmonton (CDN)

12:25-12:50

Role of previous xenografts on the outcome of an allograft

David Cooper, Pittsburgh (USA)

12:50-13:30

Discussion

13:30 - 14:00

LUNCH

SPECIAL SYMPOSIUM SESSION III

PATHOLOGY AND CLINICAL MANAGEMENT OF THE HYPERIMMUNIZED PATIENT

14:00-14:25

Pathology of antibody-mediated renal allograft rejection

Robert Colvin, Boston (USA)

14:25-14:50

Antibody-mediated rejection: new biological markers

Jean-Paul Soulillou, Nantes (F)

14:50-15:15

The Acceptable Mismatch

Franz Claas, Leiden (NL)

15:15-15:40

Desensitization with plasmapheresis and low dose anti-cmv immunoglobulins

Robert Montgomery, Baltimore (USA)

15:40-16:05

Desensitization with Intravenous Gammaglobulin (IVIG) in renal transplantation

Stanley Jordan, Los Angeles (USA)

16:05-16:30

The hyperimmunized patient in Italy: current status and policy

Antonio Amoroso, Torino (I)

16:30-16:45

Discussion

SPECIAL SYMPOSIUM SESSION IV

16:45 - 18:00

ABSTRACT SESSION



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TRANSPLANTATION IN THE
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Joint IXA/IPITA Sessions IXA Sessions

THURSDAY 15 OCTOBER, 2009

FOURTH DAY

8:00-9:00

JOINT IPITA-IXA PLENARY SESSION 3

New approaches in Islet xenotransplantation

New immunosuppressive protocols in pre-clinical models

Speaker to be confirmed

New techniques for islet encapsulation

R. Calafiore, Perugia-I

Alternative sites for islets xenotransplantation

J. Contreras, Birmingham-USA

Novel strategies to overcome IBMIR

O. Korsgren, Uppsala-S

9:00-10:15

JOINT IPITA-IXA PLENARY SESSION 4

Immunobiology

Central tolerance: the strongest way

D. Sachs, Boston-USA

Peripheral tolerance: the clinically applicable way

T. Strom, Boston-USA

Regulatory T Cells: minor or major help?

R. Lechler, London-UK

Tolerance to xenoantigens: a goal or an experimental model?

M. Sykes, Boston-USA

10:15-10:45

COFFEE BREAK

10:45-13:00

PARALLEL SESSIONS 11-12-13-14-15: OPEN ORAL PRESENTATIONS

13:00-14:15

LUNCH AND POSTERS

14:15-15:30

IXA PLENARY SESSION 1

Which xenotransplantation trial should start first?

Islet xenotransplantation

P. Gianello, Leuven-B and D. Dufragne, Leuven-B

Kidney xenotransplantation

K. Yamada, Boston-USA

Heart xenotransplantation

D. Cooper, Pittsburgh-USA

Lung xenotransplantation

R. Pierson, Baltimore-USA

Liver whole organ, auxiliary or hepatocyte xenotransplantation

B. Gridelli, Palermo-I

15:30-16:00

COFFEE BREAK

16:00-18:00

PARALLEL SESSIONS 16-17-18-19-20: OPEN ORAL PRESENTATIONS



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JOINT IXA/IPITA SESSIONS

TRANSPLANTATION IN THE
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IXA SESSIONS

IXA Sessions

FRIDAY 16 OCTOBER, 2009

FIFTH DAY

8:00-9:15

IXA WORKSHOP

COAGULATION DYSREGULATION AS A POTENTIAL BARRIER TO XENOTRANSPLANTATION

Mechanism of xenograft microangiopathy

R.B. Colvin, Boston-USA

hCD39 and hTFPI: What other transgenes should be inserted in the donor pig?

P. Cowan, Victoria-AUS

What anticoagulant therapy should be given to the recipient?

A. Dorling, London-UK

What antiplatelet therapy should be given to the recipient?

S. Robson, Boston-USA

Consumptive coagulopathy and the role of extensive coagulation monitoring in xenotransplantation

P. Simioni, Padova-I

9:15-10:15

IXA PLENARY SESSION 2

IS THE INNATE IMMUNE SYSTEM A HURDLE OR A HELP?

Macrophages, dendritic cells

Ph. O'Connell, Sydney-AUS

NK, NK T cells

R.G. Gill, Alberta-CAN

Complement regulation in the GalT KO era

S.Miyagawa, Osaka-JPN

Toll-like receptors/CD47

Y.Yang, Boston-USA

10:15-10:45

COFFEE BREAK

10:45-13:00

PARALLEL SESSIONS 21-22-23-24-25: OPEN ORAL PRESENTATIONS

13:00-14:00

LUNCH AND POSTERS

14:00-15:30

IXA PLENARY SESSION 3

Guidelines for clinical trials

Inventory of xenotransplantation practices

L. Buhler, Geneva-CH

Submission of an application of a clinical trial of xenotransplantation to the health authorities

P. Doyle, Westhead-UK

Global network of laboratories involved in xenotransplantation safety

R. Toenjes, Langen-D

15:30-16:00

COFFEE BREAK

16:00-18:00

PARALLEL SESSIONS 26-27-28-29-30: OPEN ORAL PRESENTATIONS

VENUE

Venice Lido Congress Center
Lungomare Marconi, 30 – 30126 Venice –Italy www.veniceconvention.com

LANGUAGE

Official language of the Congress will be English.

CALL FOR ABSTRACTS

Abstract submission is on-line. Final deadline: June 8, 2009.

EXHIBITION AND SPONSORED SYMPOSIA

A targeted group of biotechnical, diagnostical and pharmaceutical companies will be invited to organise a sponsored symposium and expose their products and services.

For further information please contact the Organizing Secretariat or the official website.

WEBSITE

For more information concerning abstract submission, registration, hotel bookings and low-cost accommodation please contact the official website:

www.ipita-ixa2009.org

ORGANIZING SECRETARIAT



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