

A 3D anatomical model of a human torso and leg, rendered in a blue, semi-transparent mesh style. The spine, ribs, and pelvic region are visible. A golden-colored prosthetic joint is shown implanted in the right knee, extending down the leg. The background is a solid blue color.

“BIOFILM-RELATED INFECTIONS IN ORTHOPEDIC AND TRAUMA SURGERY. INTERNATIONAL COLLABORATIVE PROJECTS AHEAD”

Implant Disposable Antibacterial Coating (I.D.A.C.):
a Novel Approach to Implant-Related Infections
in Orthopaedics and Trauma Surgery. (Grant Agreement 277988)

Scientific Directors:
Lorenzo Drago - Carlo Luca Romanò

DECEMBER 13th-14th / 2013

**THE HUB HOTEL - VIA PRIVATA POLONIA 10
MILAN - ITALY**

Friday, December 13th, 2013

13.30 Registration

14.00 Welcome and Introduction

E. Cremascoli, L Drago, C.L. Romanò

Session 1

Impact of implant-related infections

P. Cabitza, V. Heppert

14.10 The latest from the registries about periprosthetic infection - an overview

L. Zagra - Italy

14.20 The economic impact of implant-related infections

K. Malizos - Greece

14.30 Challenges in the treatment of periprosthetic infections today

V. Heppert - Germany

14.40 Discussion

Session 2

Understanding biofilm-related infections in orthopedics

L. Drago, A. Soriano

15.00 The influence of biomaterials on bacterial colonization

C.L. Romanò - Italy

15.10 Biofilms and antibiotics

G. Riccio - Italy

15.20 Multi-resistant bugs in orthopaedics and limits of systemic treatment

A. Soriano - Spain

15.30 Bacterial biofilms and host defence

C. Wagner - Germany

15.40 Leucocytes and Platelets-potentials and clinical perspectives

D. Bettin - C. Wagner - Germany

15.50 Is there a role for systemic immuno stimulation?

F. Da Rin - Italy

16.00 Looking inside biofilms: C.M. analysis and evolving technologies

L. Drago - Italy

16.10 Biofilm-related fungal infections

**G. Morace, E. Borghi, F. Perdoni, D. Cirasola
Italy**

- 16.20 Animal models of implant-related infections
V. Alt - Germany
- 16.30 Animal models and host-type
in implant-related infections
A. Lovati, L. Monti, L. Drago, C.L. Romanò - Italy
- 16.40 Discussion
- 17.00 Coffee break

Session 3

Biofilm as a problem - Biofilm as a target

A. Corradi, K.Kirkterp-Moeller

- 17.20 Diagnosis of biofilm-related infection
O. Borens - Switzerland
- 17.30 Chemical biofilm debonding of bacteria
L. Drago - Italy
- 17.40 Staphylococcal IgM Enzyme-Linked Immunosorbent
Assay for diagnosis of periprosthetic joint infections
**L. Selan, R. Papa, M. Tilotta, A. Servello,
A. Cellini, M. Artini - Italy**
- 17.50 A new approach to chronic wounds and biofilms
K.Kirkterp-Moeller - Denmark
- 18.00 Biofilm detection through electrical impedance
**D. Jahoda, T. Judl, J. Jahodová, A. Zikmund,
L. Krasny, P. Ripka - Czech Republic**
- 18.10 Anti-biofilm agents: where are we?
C.L. Romanò - Italy
- 18.20 New therapeutic approaches against bacterial biofilm
**M. Artini, R. Papa, M. Tilotta, E Parrilli,
M.L. Tutino, A. Cellini, L. Selan - Italy**
- 18.30 Discussion
- 19.00 End of day 1- Summary and remarks
E. Meani, R. Mattina - Italy
- 20.30 Dinner

Saturday, December 14th, 2013

Session 4

Current treatment of implant-related

infections: an overview

H. Winkler, D. Jahoda

- 08.00 Adherence-colonization-biofilms, “tempus fugit”
X. Flores, P. Corona, C. Amat - Spain
- 08.10 Antibiotic-loaded cement in prevention and treatment of implant-related infections
C.L. Romanò - Italy
- 08.20 The problem of cement removal in revision surgery -Tips and tricks
P. Randelli - Italy
- 08.30 Two-stage revision of infected prosthesis: is still the gold standard ?
R. D’Anchise - Italy
- 08.40 One-stage uncemented revision of infected prosthesis
H. Winkler - Austria
- 08.50 Challenges in infected TKR
A. Baldini - Italy
- 09.00 Infection in osteosynthesis
R. Morgan-Jones - United Kingdom
- 09.10 The chamber induction technique (CIT) with megaprotheses for the treatment of post-traumatic bone defect
G.M. Calori, M. Colombo, C. Ripamonti, E. Malagoli, S. Mazzola, E. Mazza - Italy
- 09.25 Discussion
- 09.45 Coffee break

Session 5

From passive to active biomaterials.

IDAC and anti-bacterial coatings

C.L. Romanò, K. Malizos

- 10.00 Implant coating: why and how?
M. Ulivi - Italy
- 10.15 Silver coating: a possibile solution for challenging cases
R. Capanna - Italy
- 10.30 IDAC production of resorbable hyaluronic acid hydrogels
G. Giammona - Italy

- 10.40 IDAC hydrogel rationale and basic concepts
E. Meani - Italy
- 10.50 IDAC hydrogel in vitro results in Heidelberg
U. Dapunt, G.M. Haensch - Germany
- 10.58 IDAC hydrogel in vitro results in Larissa
K. Malizos - Greece
- 11.06 IDAC hydrogel in vitro results in Leuven
L. Van Mellaert, S. Vanhooren, J. Stuyck - Belgium
- 11.14 IDAC hydrogel in vitro results in Milano
L. Drago - Italy
- 11.22 IDAC hydrogel and anti-bacterial bioglass:
a successful marriage?
F. Ollila - Finland
- 11.30 IDAC hydrogel: animal studies in Bologna
G. Giavaresi, M. Fini - Italy
- 11.38 IDAC hydrogel: animal studies in Utrecht
W. Boot, C. Vogely, D. Gawlitta - The Netherlands
- 11.46 Clinical trials
K. Malizos - Greece
C. Van Der Straeten - Belgium
- 11.54 Discussion

Session 6

Round Table: An international network for biofilm-related infections

L. Drago, E. Meani

- 12.20 How to establish a successful international
network to fight bone and joint infections
G. Lob - Germany
- 12.30 Looking inside PJIs: the ISOC vision
G. Banfi - Italy, T. Sculco - USA
- 12.45 Horizon 2020 and future research prospective
C. Finocchiaro - Italy
- 12.55 Discussion
- 13.10 End of day 2 - Final remarks and adjourn
L. Drago, C.L. Romanò - Italy
- 13.50 Light lunch and salutations

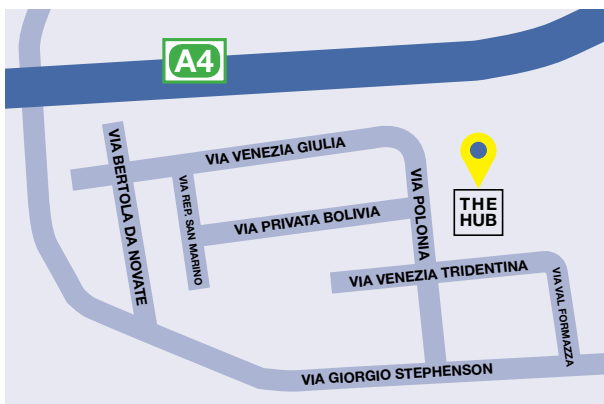
Speakers

V. Alt - Germany
C. Amat - Spain
M. Artini - Italy
A. Baldini - Italy
G. Banfi - Italy
D. Bettin - Germany
W. Boot - The Netherlands
O. Borens - Switzerland
E. Borghi - Italy
P. Cabitza - Italy
G.M. Calori - Italy
R. Capanna - Italy
A. Cellini - Italy
D. Cirasola - Italy
M. Colombo - Italy
P. Corona - Spain
A. Corradi - Italy
E. Cremascoli - Italy
R. D'Anchise - Italy
F. Da Rin - Italy
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M. Fini - Italy
C. Finocchiaro - Italy
X. Flores - Spain
D. Gawlitta - The Netherlands
G. Giammona - Italy
G. Giavaresi - Italy
G.M. Hänsch - Germany
V. Heppert - Italy
D. Jahoda - Czech Republic
J. Jahodová - Czech Republic
T. Judl - Czech Republic
K. Kirkterp-Moeller - Denmark
L. Krasny - Czech Republic
G. Lob - Germany
A. Lovati - Italy
E. Malagoli - Italy
K. Malizos - Greece
R. Mattina - Italy
E. Mazza - Italy
S. Mazzola - Italy
E. Meani - Italy
L. Monti - Italy
G. Morace - Italy
R. Morgan-Jones - United Kingdom
F. Ollila - Finland
R. Papa - Italy
E. Parrilli - Italy
F. Perdoni - Italy
P. Randelli - Italy
G. Riccio - Italy
C. Ripamonti - Italy
P. Ripka - Czech Republic
C.L. Romanò - Italy
T. Sculco - USA
L. Selan - Italy
A. Servello - Italy
S. Vanhooren - Belgium
A. Soriano - Spain
J. Stuyck - Belgium
M. Tilotta - Italy
M.L. Tutino - Italy
M. Ulivi - Italy
C. Van Der Straeten - Belgium
A. Van Hengel - Belgium
L. Van Mellaert - Belgium
C. Vogely - The Netherlands
C. Wagner - Germany
H. Winkler - Austria
L. Zagra - Italy
A. Zikmund - Czech Republic

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