



2000 World Biomaterials Congress

May 15-20, 2000 Hilton Waikoloa Village Kamuela, Hawaii, U.S.A.

Final Program

Personalized E-Genda

With more than six hundred podium presentations to see at the 6th World Biomaterials Congress, keeping track of which of the nine session rooms to be in at any given time can be a daunting task. [Click here](#) to view the podium session schedule and create your personalized E-Genda.

Final Program

To download or view all or portions of the Final Program, click on the links below. Adobe Acrobat Reader is required to view the Final Program. If you do not have Acrobat Reader, click on the image below to obtain a copy for free.



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Poster Session II

Poster authors available for discussion Thursday, May 18, 12:00 noon-1:00 p.m.

Poster Hours

Session I - Wednesday, May 17, 9:30 am-4:00 pm
Session II - Thursday, May 18, 9:00 am-3:30 pm
Session III - Friday, May 19, 9:00 am-3:30 pm
Session IV - Saturday, May 20, 9:00 am-3:30 pm

Proteins and Cells at Interfaces - (continued from previous page)

- 1010 **Eludation of Properties of Plasma Sprayed Hydroxyapatite Coatings Central to Osteoconductivity In Vitro**
C A Scotthford, B S Welsh, D M Grant
University of Nottingham, UK
- 1011 **Evaluation of Bone Tissue Formation and Integration of Titanium Implants by Using Enzyme- and Immunohistochemical Technique**
K Röser, C B Johansson, T Albrektsson, K Donath
University of Hamburg, Germany
- 1012 **Metal-polysaccharide Complexes Able to Influence the Endothelial Cell Migration and Adhesion**
A Magnani, S Lamponi, R Barbucci
University of Siena, Italy
- 1013 **Model Peptides As Attachment Agents**
M F Swartz, R M Wollman, M I Hurley, M P Olivieri
D'Youville College, USA
- 1014 **Monitoring Protein Self-Assembly Processes with Atomic Force Microscopy**
D J Brennan, Y Tang, P S Heipp, N J DiNardo, M Marcolongo
Drexel University, USA
- 1015 **Non-enzymatic Harvest of Differentiated Madin-Darby Canine Kidney (MDCK) Cell Sheets from Temperature-responsive Surfaces**
A Kushida, M Yamato, C Konno, A Kikuchi, T Okano
Tokyo Women's Medical University, Japan
- 1016 **Osteoblast-like Cell Responses to Microfabricated Model Surfaces of Titanium, Aluminium, Vanadium and Niobium.**
C A Scotthford, M Winkelmann, M Ball, B Sim, J Gold, M Textor, N Spencer, B Kasemo, S Downes
University of Nottingham, UK
- 1017 **Probing the Organization of Collagen Adsorbed on Polymer Surfaces**
C C Dupont-Gillain, Y F Dufrêne, V M De Cupere, P G Rouxhet
Université Catholique de Louvain, Belgium
- 1018 **Proliferation Profiles and Morphology of Chondrocytes and Skeletal Muscle Cells on PEO/PBT Copolymers**
T A Mahmood, M Papadaki, J Riesle, C A van Blitterswijk, R S Langer
Massachusetts Institute of Technology, USA
- 1019 **Synthesis of Arg-Gly-Asp-Ser Mimetic Peptides and Evaluation of Their Cell-Attachment Activity**
Y Hirano, T Yamaguchi, T Iuchi, M Oka, T Hayashi
Osaka Institute of Technology, Japan

Silicone Breast Implant Biocompatibility Symposium

- 1020 **Long-term Biocompatibility of Silicone Breast Implants**
E Monari, A M Gatti, F Ferrara, G Barbolini
University of Modena and Reggio Emilia, Italy
- 1021 **Mechanical Properties of the Fibrous Capsule Surrounding Silicone Breast Implants**
J C Lotz, R L Piziali, H F Wachob
University of California, USA
- 1022 **Monocyte Activation in Patients with Silicone Breast Implants**
S L Moran, N A Buehner, L Kurtelawicz, J Kolassa, J O Naim
Rochester General Hospital, USA

Surface Modification of Endoluminal Stents: Advances in Interfacial Properties and Drug Delivery Symposium

- 1023 **Development of Argatroban-coated Metallic Stent for Prevention of Post-operative Restenosis**
H Owaki, H Iwata, T Richey, S Matsuda, W Taki, Y Ikada
Kyoto University, Japan
- 1024 **Elastin as a Biocompatible Stent Covering**
M Hinds, L Buckley, K W Gregory, M Kwong, R Virmani
Providence St. Vincent Medical Center, USA
- 1025 **Improving Bloodcompatibility of IBED-TiO_{2-x} Film Through Vacuum Anneal Treatment**
Y Ping, H Nan, L Yongxiang, C Junying, S Hong, X Tingfei, Z Zongrong
Southwest Jiaotong University, China
- 1026 **Properties of Ti-O(Ta⁵⁺) Film Prepared by the Magnetron Sputtering Deposition**
C Junying, Y Ping, L Yongxiang, S Hong, X Tingfei, W Xi, C Fan, W Yuzhi, H Nan
Southwest Jiaotong University, China

Surface Treatments for Cardiovascular and Other Applications

- 1027 **Biostability Evaluation of Silicone Defibrillation Leads with a Polyurethane Overlay**
J L Russo, L J Alfson, P M Becker, G A Boser
Medtronic, Incorporated, USA
- 1028 **Coupling of Elastin Derived Proteins with Polymers; Its Interest as Vascular Prosthesis**
S Dutoya, F Lefebvre, E Courcier, A Lebugle, J Amedee, M Rabaud
Université Victor Segalen-Bordeaux, France
- 1029 **Design of Gradient Carbonaceous Biomaterials Used for Artificial Mechanical Heart Valves**
G Yin, J Luo, C Zheng
Sichuan University, China
- 1030 **Hydrophilic Polymer Surface Modification by Pulsed Laser Deposition**
M Grumski, K R Rau, R K Singh, E P Goldberg
University of Florida, USA
- 1031 **Photoimmobilisation of Poly(N-vinylpyrrolidone) to Improve Blood Compatibility of Polyurethane Surfaces**
G M Wetzel, L H Koole
University of Maastricht, The Netherlands
- 1032 **Surface Modification of Polymeric Materials using Reversed-phase Graft Polymerization**
F G Wang, X Zhang, M Volante, R Whitbourne, E J Bekos, D A Cole, R M Cornelius, J L Brash
STS Biopolymers, Inc., USA
- 1033 **The Blood Compatibility and Mechanical Properties of Ti-O/Ti-N Gradient Film**
Y Leng, N Huang, P Yang, J Chen, H Sun, P Chu, B W Tang, X Wu, F Chen
Southwest Jiaotong University, China