

XIIICOLAOB

RIO DE JANEIRO - BRAZIL - 26-29TH AUGUST 2025

XIII Latin American Congress of Artificial Organs and Biomaterials (COLAOB 2025)
XXI Congress of Latin American Society of Artificial Organs (XXI LASAO)



ORAL AND POSTER SESSIONS

CONGRESS MAP

HILTON COPACABANA HOTEL

Avenida Atlântica 1020, Copacabana,
Rio de Janeiro, Brazil

XIII COLAOB

RIO DE JANEIRO - BRAZIL - 26-29TH AUGUST 2025
XIII Latin American Congress of Artificial Organs and Biomaterials (COLAOB 2025)
XIII Congress of Latin American Society of Artificial Organs (SOLABO)



Oral Session 1

PETRÓPOLIS C

Aug 27, 2025



Schedule	Title/Authors
11:00 - 11:20	(1098288) ALGINATE-BASED SCAFFOLDS: OPTIMIZATION OF THE PROCESS AND CHARACTERIZATION OF THE BIOMATERIAL INK Ailime Lobato Picanço de Melo, Marcele Fonseca Passos, Presenters: Ailime Lobato Picanço de Melo,
11:20 - 11:40	(1146050) the use of co-electrospinning to produce PVA/CMC-PCL/Ibu nanostructured hybrid mats for wound healing Vanessa Fernandes Da Silva, Javier Anaya, Rossana Mara da Silva Moreira Thiré, Presenters: Vanessa Fernandes Da Silva,
11:40 - 12:00	(1150593) Development and Evaluation of a Hydrogel Membrane Containing Buriti Oil and Collagen for Wound Healing Pamela Cunha Bortoluzzi, Cecília de Azevedo Marques, Ana Lorena de Brito Soares, Rebeca Mello Chaves, Rodrigo Silveira Vieira, Fábila Karine Andrade, Presenters: Rodrigo Silveira Vieira,

Oral Session 2

PETRÓPOLIS B

Aug 27, 2025



Schedule	Title/Authors
11:00 - 11:20	(1108363) EVALUATION OF PRINTING FIDELITY OF DIFFERENT NOZZLES USING GELATIN AND ALGINATE BLENDS Izabella Maria S Ribeiro, Lucas Correia Peres, Letícia de Souza Castro Felice, Márcia Mayumi Omi Simbara, Presenters: Izabella Maria S Ribeiro,
11:20 - 11:40	(1103605) INVESTIGATION OF MAGNESIUM-ZINC ALLOYS WITH VARIABLE ZINC CONCENTRATIONS FOR BIOMEDICAL APPLICATIONS Israel Ramos Rodrigues, Carlos Roberto Grandini, Sophia Alexandra Tsipas, Sandra Carolina Cifuentes Cuéllar, Presenters: Israel Ramos Rodrigues,
11:40 - 12:00	(1098657) Influence of pH and Calcination Temperature on the Structure and Bioactivity of BG58S-CI for Bone Regeneration Bianca Lapadula Heckert Franklin de Abreu, Isabela dos Santos Gonçalves, Felipe Palmamhani Valli, Tiago Moreira Bastos Campos, Ivone Regina de Oliveira, Presenters: Bianca Lapadula Heckert Franklin de Abreu,

Oral Session 3

CABO FRIO A
Aug 27, 2025



Schedule	Title/Authors
11:00 - 11:20	(1145876) Design and Evaluation of Nanoemulsion-Based Bioinks for 3D Bioprinting in Skin Therapeutics Nicole Pessoa Martins, Thiago Matos Custodio Rodrigues, Rossana Mara da Silva Moreira Thiré, Presenters: Nicole Pessoa Martins,
11:20 - 11:40	(1176583) Surface texturing of β-tricalcium phosphate/BG S53P4 composite using ultrashort-pulsed laser Rodrigo Luiz Moraes Saldanha Oliveira, Eliandra Sousa, Wilhelm Pfleging, Dayane Batista Tada, Presenters: Dayane Batista Tada,
11:40 - 12:00	(1115547) THERAPEUTIC POTENTIAL OF POLYCAPROLACTONE MATS WITH DOXYCYCLINE FOR BONE REGENERATION: IN VITRO CYTOTOXICITY AND MINERALIZATION STUDIES Lorena Gonçalves Henriques Corrêa Maduro, Presenters: Lorena Gonçalves Henriques Corrêa Maduro,

Oral Session 4

PETRÓPOLIS C

Aug 27, 2025



Schedule	Title/Authors
15:10 - 15:30	(1146051) Rheological Optimization of Citric Acid-Crosslinked CMC Hydrogels for Extrusion-Based 3D Bioprinting Thiago Matos Custodio Rodrigues, João Vitor Rezende Costa dos Santos, Rossana Mara da Silva Moreira Thiré, Nicole Pessôa Martins, Presenters: Thiago Matos Custodio Rodrigues,
15:30 - 15:50	(1132838) SODIUM ALGinate HYDROGEL AS A TREATMENT FOR SPINAL CORD INJURY IN A MURINE MODEL Sophia Sthefanie Moura, Presenters: Sophia Sthefanie Moura,
15:50 - 16:10	(1099251) Functionalization of bacterial cellulose biomaterial with PHMB antimicrobial. Mariana Reis, Sarah Brandão Palácio, Layla Carvalho Mahnke, José Lamartine Andrade Aguiar, Maria Inês Bruno Tavares, Simone Oliveira Penello, Presenters: Mariana Reis,
16:10 - 16:30	(1098898) Application study of a flow diffuser in a double rotor axial blood pump (AxR-III-RevA) Gabriel Lúcio, Thereza Cristina Saraiva Leandro, Vitor Ferreira Diu Rocha, Flávio Augusto Bueno Figueiredo, Guilherme Barbosa Lopes Junior, Presenters: Gabriel Lúcio,
16:30 - 16:50	(1176622) EXPERIMENTAL AND FINITE ELEMENTS COMPUTATIONAL STUDY OF Ti6Al4V 3D-PRINTED METAMATERIALS OF GYROID-TYPE FOR IMPLANTABLE MEDICAL DEVICES Claudio Teodoro dos Santos, cristiane evelise ribeiro da silva, Diego Ferreira, Guido Graça, IEDA MARIA VIEIRA CAMINHA, Joan O'Connor, Lavinia Alves Borges, MAURICIO DE JESUS MONTEIRO, Wellington Gilbert Fernandes, Presenters: Joan O'Connor,

Oral Session 5

PETRÓPOLIS B

Aug 27, 2025



Schedule	Title/Authors
15:10 - 15:30	(1098706) Biological Characterization of β-metastable Titanium Alloys TNTM and TNHF for Applications in Bone Tissue Engineering Andressa Francine Martins, Christiane Bertachini Lombello, Anibal de Andrade Mendes Filho, Rocky Bruno Maschian, Presenters: Andressa Francine Martins,
15:30 - 15:50	(1176153) Polysaccharide-Based Hydrogel Designed for Injectable and 3D Bioprinting Applications Ângela Maria Moraes, Carolina Coli Zuliani, Gabriela Gomes da Silva, Ibsen Bellini Coimbra, Jéssica Heline Lopes da Fonseca, Marcos Akira D'Ávila, Prof. Dra. Lucimara Gaziola de la Torre, Rodolpho Fagundes Correa, Victor Marchiori de Souza, Presenters: Rodolpho Fagundes Correa,
15:50 - 16:10	(1133133) Real-time electrical impedance analysis of graphene oxide cytotoxicity in human lung epithelial cells (A549) Myrella Kenupp Gomes Nobre, Ekeveliny Amabile Veschi, José Mauro Granjeiro, Presenters: Myrella Kenupp Gomes Nobre,
16:10 - 16:30	(1146584) Development of biobased air filters for enhanced air quality and antiviral protection Lucas Gomes Rabello, Maira Rievers Nogueira Alvares, Roberto Carlos da Conceição Ribeiro, Alice dos Santos Rosa, Tayane Alvites Nunes Quintão, Giovanna Barbosa Da Conceição, Milene Dias Miranda, Rossana Mara da Silva Moreira Thiré, Presenters: Lucas Gomes Rabello,
16:30 - 16:50	(1098746) IMPACT OF BLADE DIAMETER AND THICKNESS IN AN AXIAL CARDIAC ASSIST DEVICE - AxE-III-Vol Vitor Ferreira Diu Rocha, Flávio Augusto Bueno Figueiredo, Guilherme Barbosa Lopes Junior, Thereza Cristina Saraiva Leandro, Bruno Humberto de Almeida Silva, Presenters: Vitor Ferreira Diu Rocha,

Oral Session 6

PETRÓPOLIS C

Aug 28, 2025



Schedule	Title/Authors
11:00 - 11:20	(1100325) Development of active pharmaceutical input (API) of psilocybin and psilocin for mental disorder treatment Taynah Pereira Galdino, Presenters: Taynah Pereira Galdino,
11:20 - 11:40	(1125697) PLDLA-TMC Scaffold with Fibroblast-Derived Extracellular Matrix for Dermal Regeneration Support in Chronic Wounds Cecilia Torqueti de Barros, Ariana de Souza Moraes, Flavia Maria Morais Pedrini, Rodrigo César Gomes, Moema de Alencar Hausen, Eliana Aparecida de Rezende Duek, Presenters: Cecilia Torqueti de Barros,
11:40 - 12:00	(1155086) Unidirectional macroscopic release capsule used as a reservoir for membranes containing antimetabolites for cancer treatment. Raquel de Souza Ribeiro, Rodrigo Liscano, Vitor Oliveira De Souza, Ester Costa de Almeida, Tiago José Bandeira Sales, Cristiane Evelise Ribeiro da Silva, Sonia Letichevsky, Roberta Helena Mendonça, Presenters: Raquel de Souza Ribeiro,

Oral Session 7

PETRÓPOLIS B

Aug 28, 2025



Schedule	Title/Authors
11:00 - 11:20	(1176585) BIOINSPIRED MATERIALS BASED ON STRONTIUM-SUBSTITUTED HYDROXYAPATITE NANOPARTICLES ASSOCIATED WITH COLLAGEN IN DENTIN TUBULE OBLITERATION Tatiane Cristina Dotta, Jeferson Mateus Moussa Macedo, Paula Consul Kazmirczak, Larwsk Hayann, Prof. Dr. Pietro Ciancaglini, Alma Blasida Elizaur Catirse, Ana Paula Ramos, Presenters: Tatiane Cristina Dotta,
11:20 - 11:40	(1115822) Liposome-loaded Simvastatin for an In Vitro Experimental Model of Bone Tissue Engineering Roberta Andreucci Pereira Gomes Gil, Geovana Martins Salmi Gomes, Bianca Sabino Leocadio Antunes, Camilla Fanelli, Irene Noronha, Marco Antonio Molina Estrella, Cecilia Torqueti de Barros, Arian de Souza Moraes, Moema de Alencar Hausen, Eliana Aparecida de Rezende Duek, Presenters: Roberta Andreucci Pereira Gomes Gil,
11:40 - 12:00	(1112126) Implantation effect of two elastin-derived hydrogels in an osteochondral injury model Sabariz Z, Operti C, Álvarez JL, Francioni N, Sarrio L, Jorge Esquiche Leon, Stur M, Juanes-Gusano D, Puertas-Bartolomé M, Alonso M, Rodríguez Cabello JC, Sara Feldman, Presenters: Sara Feldman,

Oral Session 8

CABO FRIO A

Aug 28, 2025



Schedule	Title/Authors
11:00 - 11:20	(1145107) Titanium coated with graphene for biomaterial applications Carlos Nelson Elias (Presidente), Hazel Paloma Reis Corado, Andreza Menezes Lima, Presenters: Carlos Nelson Elias (Presidente),
11:20 - 11:40	(1115759) Liposome-loaded Kartogenin for an In Vitro Experimental Model of Cartilaginous Tissue Engineering Geovana Martins Salmi Gomes, Roberta Andreucci Pereira Gomes Gil, Bianca Sabino Leocadio Antunes, Camilla Fanelli, Irene Noronha, Marco Antonio Molina Estrella, Cecilia Torqueti de Barros, Ariana de Souza Moraes, Eliana Aparecida de Rezende Duek, Moema de Alencar Hausen, Presenters: Geovana Martins Salmi Gomes,
11:40 - 12:00	(1132325) Surface Functionalization of Kombucha Bacterial Cellulose for Biomedical Applications Thaís Soares De Góes, Alain Dufresne, DANIEL KOMATSU, Aparecido Junior de Menezes, Presenters: Thaís Soares De Góes,

Oral Session 9

PETRÓPOLIS B

Aug 28, 2025



Schedule	Title/Authors
15:10 - 15:30	(1100326) Methodological improvement for obtaining N,N-Dimethyltryptamine from Mimosa tenuiflora with potential for treating mental disorders Lucas Cordeiro De Oliveira, Presenters: Lucas Cordeiro De Oliveira,
15:30 - 15:50	(1124904) Is marine collagen from Chondrilla caribensis an alternative biomaterial to wound dressings? Amanda de Souza, Karolyne dos Santos Jorge Sousa, Mirian Bonifacio, Matheus de Almeida Cruz, Cintia Martignago, Amanda Sardeli Alqualo Assaf, Lais Caroline Souza e Silva, Marcelo de Assis, Diana Gabriela Nina Nina, Renata Neves Granito, Flávia de Oliveira, Ana Claudia Muniz Rennó, Presenters: Amanda de Souza,
15:50 - 16:10	(1118942) Development of bioactive, bio-selective, and wear-resistant coatings on Ti-6Al-4V alloy produced by MAO for application in THR and TKR implants Karine Stefany Coan, TIAGO DOS SANTOS PEREIRA DE SOUSA, Carlos Roberto Grandini, Diego Rafael Nespesque Corrêa, Presenters: Diego Rafael Nespesque Corrêa,
16:10 - 16:30	(1098220) STIFFNESS ENHANCEMENT AND WEIGHT REDUCTION IN ANKLE-FOOT ORTHOSES VIA SIMULATION, TOPOLOGICAL OPTIMIZATION, AND ADDITIVE MANUFACTURING Claudio Teodoro dos Santos, Jorge Arturo Hinostroza Medina, MAURICIO DE JESUS MONTEIRO, Ieda Maria Vieira Caminha, Wellington Gilbert Fernandes, Marcos Henrique Garamvölgyi e Silva, Paulo Henrique Rodrigues Guilherme Reis, Presenters: Claudio Teodoro dos Santos,
16:30 - 16:50	(1098686) Pancreatic Tissue Engineering: Innovations and Future Directions Karolina Kaminski Garcia, Andressa Francine Martins, Christiane Bertachini Lombello, Presenters: Karolina Kaminski Garcia,

Oral Session 10

CABO FRIO A
Aug 28, 2025



Schedule	Title/Authors
15:10 - 15:30	(1141573) Hybrid 3D bioprinted scaffolds of Syacium spp. collagen with addition of Chlorella vulgaris microalgae for Skin Tissue Engineering Lais Caroline Souza e Silva, Marcelo de Assis, Amanda de Souza, Mariana Simões, Mirian Bonifacio, Karolyne dos Santos Jorge Sousa, Luana Dalle Luche, Ana Claudia Muniz Rennó, Presenters: Lais Caroline Souza e Silva,
15:30 - 15:50	(1095826) Designing Smart Alginate Hydrogels: Thermoresponsive Gelation for Advanced Biofabrication Paula Cristina Gomes Fernandes, Yasmin Pinheiro Cabral, João Henrique Lopes, Presenters: Paula Cristina Gomes Fernandes,
15:50 - 16:10	(1127240) Generative design of biomimetic scaffolds for bone regeneration using Voronoi diagrams Luiz Felipe Piccoli Campoy, Paulo Noronha Lisboa Filho, Carlos Roberto Grandini, Presenters: Luiz Felipe Piccoli Campoy,
16:10 - 16:30	(1117839) CELL VIABILITY ANALYSIS IN MESENCHYMAL STROMAL CELLS CULTURED IN A THREE-DIMENSIONAL BIOPRINTED MODEL FOR DEVELOPMENT OF BIOCURATIVES Isabela de Souza Marques, Maria Eduarda Garcia Borges de Oliveira, Manuela Abrantes do Rego, Genilza Pereira de Oliveira Cordeiro, Débora dos Santos Ornellas, Karina Ribeiro da Silva Pereira, Erika Cortez, Alessandra Alves Thole, Simone Nunes de Carvalho, Presenters: Isabela de Souza Marques,
16:30 - 16:50	(1134840) Functionalization and characterization of a bacterial cellulose-based biomaterial with chlorhexidine. Maria Luiza Santos Silva, Caroline Tavares Da Mota Monteiro, Layla Carvalho Mahnke, José Lamartine Andrade Aguiar, Sarah Brandão Palácio, Mariana Reis, Maria Inês Bruno Tavares, Simone Oliveira Penello, Presenters: Maria Luiza Santos Silva,

Poster Session I

CABO FRIO B + C + D
Aug 27, 2025



Schedule	Title/Authors
17:10 - 19:10	(1176576) 3D BIOPRINTING OF CALCIUM ALGINATE HYDROGELS WITH CURCUMA LONGA L: MORPHOLOGICAL AND THERMAL CHARACTERIZATION Fauze Ahmad Aouada, Márcia Regina de Moura Aouada, Rafaela Prediger dos Anjos, Presenters: Fauze Ahmad Aouada,
17:10 - 19:10	(1177680) Bone tissue bioprinting using human adipose-derived stem cell spheroids on polymeric scaffolds Larissa Resende Vieira, Leandra Santos Baptista, Tathiana Proença Pampolha, Presenters: Larissa Resende Vieira,
17:10 - 19:10	(1134377) CAD/CAM TECHNOLOGY IN THE COUPLING OF PROSTHESES FOR LOWER LIMBS Anna Beatriz Morais De Almeida, Bianca Gonçalves André, Thamires Braga, Presenters: Bianca Gonçalves André,
17:10 - 19:10	(1115783) DEVELOPMENT OF AN ANTIMICROBIAL AND ANTIOXIDANT COATING FOR POLYSACCHARIDE MATRICES SURFACE USING ALOE VERA Leilson Bezerra - UFCG - CSTR, Sabrina Bezerra da Silva, Stella de Alencar Figueiredo, Marthyna Pessoa de Souza, André Leandro da Silva, KARLA NAYALLE DE SOUZA ROCHA, Edson Cavalcanti da Silva Filho, Presenters: Leilson Bezerra - UFCG - CSTR,
17:10 - 19:10	(1134453) Development of Conductive ink for biomedical applications based in GelMA/Au nanoparticles: Effect of conductive phase on printability and conductivity Jean Valdir Uchôa Teixeira, Erika Soares Bronze-Uhle, Caroline de Marcelo Prata Nascimento, Wallance Moreira Pazin, Paulo Lisboa, Presenters: Jean Valdir Uchôa Teixeira,
17:10 - 19:10	(1176652) GREEN SYNTHESIS OF SILVER NANOPARTICLES: INFLUENCE OF PLANT EXTRACT CONCENTRATION ON NUCLEATION, GROWTH, AND STABILITY Fabrício Cerizza Tanaka, Fauze Ahmad Aouada, Márcia Regina de Moura Aouada, Renato Grillo, Sidney Souza dos Santos, Presenters: Fabrício Cerizza Tanaka,
17:10 - 19:10	(1133320) Influence of Printing Orientation and Design on the Performance of 3D-Printed Biomaterials Nathan Cahuê Aventino Fidelis, Julia Mai Miyamoto, Braulio de Vilhena Amorim Tostes Tostes, Severino Alves Júnior, Indira Carolina Brito Pires, Presenters: Nathan Cahuê Aventino Fidelis,
17:10 - 19:10	(1145996) Kenics static mixers as a tool for enhanced bioink homogenization and cellular distribution in 3D bioprinting Julia Ferreira de Moraes, Marcel Ferreira, Gerson Santos de Almeida, Matheus Luquirini Penteado dos Santos, Amanda Fantini de Camargo Andrade, Willian Fernando Zambuzzi, Presenters: Julia Ferreira de Moraes,
17:10 - 19:10	(1100417) Mechanical properties of CoCrMoW alloy obtained by 3D printing via Selective laser melting (SLM) João Victor Santana de Oliveira, Patrick de Lima Vieira, Bruno Xavier de Freitas, Sinara Borborema, Carlos Angelo Nunes, Claudinei dos Santos, Presenters: Claudinei dos Santos,

Schedule	Title/Authors
17:10 - 19:10	(1229597) MICRO-CT IMAGES AND STRESS SIMULATION COMBINED WITH A REACTION-DIFFUSION MODEL FOR TRABECULAR SCAFFOLD DESIGN Adones Almeida Rocha, Clément Court, Rossana Mara da Silva Moreira Thiré, Anna Carla Araújo, Presenters: Adones Almeida Rocha,
17:10 - 19:10	(1115806) NANOENCAPSULATION OF PEQUI OIL AND EUGENOL ENHANCES THE ANTIOXIDANT AND ANTIMICROBIAL POTENTIAL Leilson Bezerra - UFCG - CSTR, Stella de Alencar Figueiredo, Sabrina Bezerra da Silva, Marthyna Pessoa de Souza, André Leandro da Silva, KARLA NAYALLE DE SOUZA ROCHA, Edson Cavalcanti da Silva Filho, Presenters: Leilson Bezerra - UFCG - CSTR,
17:10 - 19:10	(1112175) ZnO-FUNCTIONALIZED PLA FILAMENTS FOR ADDITIVE MANUFACTURING: STRUCTURAL AND ANTIMICROBIAL PROPERTIES Josy Anteveli Osajima, Presenters: Josy Anteveli Osajima,
17:10 - 19:10	(1146273) Anodic Oxidation of Quaternary Ti10Mo8Nb6Zr Alloy: Surface Characterization and Comparison with Ternary Alloy Marielle Batista Gonçalves, Ana Paula Rosifini Alves Claro, João Pedro Aquiles Carobolante, Presenters: Marielle Batista Gonçalves,
17:10 - 19:10	(1177671) Assessment of Biocompatibility and Epigenetic Modulation in the Signaling Pathways of Ti6Al4V Alloy After MAO Treatment in Electrolyte Enriched with TMO Carlos Roberto Grandini, Célio Junior da Costa Fernandes, Diego Rafael Nespesque Corrêa, Karine Stefany Coan, Mariana Rocha Corrêa, Presenters: Carlos Roberto Grandini,
17:10 - 19:10	(1154830) BIOACTIVITY OF 3D-PRINTED GELATIN METHACRYLOYL/HYDROXYAPATITE SCAFFOLDS Roger Borges, Giulia Santana de Mello, Eduardo de Angelis Szikszay, Bruno Bertoluzzi Bellini, Felipe Barros de Andrade Silva, Larissa Ribeiro Lourenço, Juliana Marchi, Maira Smaniotto Cuciolo, Presenters: Roger Borges,
17:10 - 19:10	(1134179) Characterization and viability of skin dressings made from fish skin collagen associated with fatty acids: an in vitro analisys Mariana Simões, Lais Caroline Souza e Silva, Marcelo de Assis, Danielle Silva dos Reis, Amanda de Souza, Karolyne dos Santos Jorge Sousa, Mirian Bonifacio, Pietra Mascarenhas Souza Costa, Giovanna de Amorim Grasser, Guadalupe Rivero, Elson Longo, Ana Claudia Muniz Rennó, Flávia de Oliveira, Presenters: Mariana Simões,
17:10 - 19:10	(1118153) CHARACTERIZATION OF GELS OF A HYALURONIC ACID AND COLLAGEN BLEND FOR RESVERATROL RELEASE Esther Miranda Fracaro da Silva, Murilo Álison Vigilato Rodrigues, Mara Tânia Silva Alcântara, Ademar Benévolo Lugão, Presenters: Esther Miranda Fracaro da Silva,
17:10 - 19:10	(1118169) CHARACTERIZATION OF POLYLACTIC ACID INCORPORATED WITH NITAZOXANIDE FOR DRUG DELIVERY SYSTEM Daniela Farias Cabral, Heloísa Augusto Zen, Ademar Benévolo Lugão, Presenters: Daniela Farias Cabral,
17:10 - 19:10	(1176598) CHARACTERIZATION OF POLYVINYL ALCOHOL BLOW SPUN FIBERS ENRICHED WITH PAPAIN FOR REGENERATIVE MEDICINE APPLICATION Ademar Benévolo Lugão, Gabriel Clem Albuquerque Sasdelli, Murilo Álison Vigilato Rodrigues, Presenters: Ademar Benévolo Lugão,
17:10 - 19:10	(1176555) CHARACTERIZATION OF PVA/PLA ELECTROSPUN CORE-SHELL SCAFFOLDS MORPHOLOGY AND THERMAL PROPERTIES

Schedule	Title/Authors
	Anna Toledo, Isabela de Carvalho Favareto, Leandra Santos Baptista, Marcos Lopes Dias, Presenters: Anna Toledo,
17:10 - 19:10	(1117035) CHARACTERIZATION OF PVP HYDROGEL SYNTHESIZED BY E-BEAM FOR DRUG DELIVERY SYSTEM Heloísa Augusto Zen, Daniela Farias Cabral, Ademar Benévolo Lugão, Presenters: Heloísa Augusto Zen,
17:10 - 19:10	(1130016) Characterization of the Microstructure and Hardness of the Ti-12Mo-20Nb Alloy for Biomedical Applications Eliza Karina Fortes De Almeida Lameck, Caio Marcello Felbinger Azevedo Cossu, Ana Isabel de Carvalho Santana, Aline Raquel Vieira Nunes, Luiz Henrique de Almeida, Desconhecido1526, Sinara Borborema, Presenters: Sinara Borborema,
17:10 - 19:10	(1127602) CHITOSAN-BASED FILMS WITH PRACAXI OIL AS A BASE MATERIAL FOR WOUND DRESSING APPLICATION Beatriz Campelo da Silva, Tainara de Paula de Lima Lima, Eduardo Henrique Backes, Luiz Antonio Pessan, Marcele Fonseca Passos, Presenters: Beatriz Campelo da Silva,
17:10 - 19:10	(1176630) CHITOSAN-BASED HYDROGEL WITH BIOACTIVE GLASS AND SPIONS: A PROMISING SCAFFOLD FOR NERVE REGENERATION Beatriz Miquilino Neto, Danielle Albuquerque Rodrigues, Fernanda Simões Barna, João Pedro Valença Guimarães, Juliana Marchi, Larissa Ribeiro Lourenço, Laura Fernanda Garcia, Lucas Tofic Messias, Monica Beatriz Mathor, Presenters: Beatriz Miquilino Neto,
17:10 - 19:10	(1133465) CONTROLLED DRUG DELIVERY ABILITY OF ALGINATE/CHITOSAN SCAFFOLDS CONTAINING BIOACTIVE GLASS Isabelle Yadoya Chakur, João Paulo Girão Hawthorne, José Guilherme Teixeira Salama, Luana Horn Metz, Roger Borges, Maira S. Cuciolo, Presenters: Isabelle Yadoya Chakur,
17:10 - 19:10	(1154758) Desenvolvimento de novas ligas biomédicas de alta entropia à base de TiCrCoFeNi e AlCrCoFeNi por fusão a arco-voltaico guiado por métodos de design computacional Lucas Pereira Mendes, Presenters: Lucas Pereira Mendes,
17:10 - 19:10	(1176616) DEVELOPMENT AND OPTIMIZATION OF A POLYMERIC GEL CONTAINING BURSERACEAE ESSENTIAL OIL FOR SKIN WOUND HEALING Caio Augusto de Almeida Canelas, Eloisa Helena de Aguiar Andrade, Marcele Fonseca Passos, Presenters: Caio Augusto de Almeida Canelas,
17:10 - 19:10	(1133508) Development of an In Vitro Bone Model for Applications in Proton Therapy and Translational Medicine João Paulo Girão Hawthorne, Roger Borges, Maira Smaniotto Cuciolo, José Guilherme Teixeira Salama, Isabelle Yadoya Chakur, Luana Horn Metz, Presenters: João Paulo Girão Hawthorne,
17:10 - 19:10	(1097808) DEVELOPMENT OF BIOMATERIALS PRODUCED BY ROTARY JET SPINNING BASED ON POLY(ε-CAPROLACTONE) AND GRAPHENE OXIDE FOR BONE TISSUE REGENERATION Atos Tavares Matos, Gian Carlos Souza Soares, Marcele Fonseca Passos, Presenters: Gian Carlos Souza Soares,
17:10 - 19:10	(1146193) Development of Sustainable Antimicrobial Polyurethane Foam with ZnO for Enhanced Infection Control in Healthcare Settings Daniella Regina Mulinari, Julia Dornelas Perluxo, Presenters: Daniella Regina Mulinari,

Schedule	Title/Authors
17:10 - 19:10	(1145362) DEVELOPMENT OF WOVEN CHITOSAN MATERIALS FOR BIOMEDICAL APPLICATIONS Henrique Nunes da Silva, Milena Costa da Silva, Débora De Sousa Lopes, Suédina Maria de Lima Silva, Marcus Vinicius Lia Fook, Presenters: Henrique Nunes da Silva,
17:10 - 19:10	(1176603) GADOLINIUM-DOPED HYDROXYAPATITE NANOPARTICLES FUNCTIONALIZED WITH FOLIC ACID: A THERANOSTIC PLATFORM FOR TARGETED CANCER THERAPY Edésia Martins Barros de Sousa, Jessica Pauline Nunes Marinho, Presenters: Edésia Martins Barros de Sousa,
17:10 - 19:10	(1146389) Influence of Environmental and Nutritional Parjavascript::ameters on Bacterial Nanocellulose Production for Biomedical Applications Thais Helena Rodrigues Dutra, Presenters: Thais Helena Rodrigues Dutra,
17:10 - 19:10	(1136230) Influence of Hot Rolling Process on the Microstructure and Mechanical Properties of Ti-12Mo Alloy for Biomedical Applications João de Ataíde Garcia Precioso, Caio Marcello Felbinger Azevedo Cossu, Sinara Borborema, Luiz Felipe Marcondes Carvalho, Ana Isabel de Carvalho Santana, Aline Raquel Vieira Nunes, Luiz Henrique de Almeida, Desconhecido1526, Presenters: João de Ataíde Garcia Precioso,
17:10 - 19:10	(1130215) Iron Oxide Deposition on Nanoporous Surface of Ti10Mo8Nb Alloy After Anodization Danielle Duque Domingues, Ana Paula Rosifini Alves Claro, Miguel Angel Ramirez Gil, Presenters: Danielle Duque Domingues,
17:10 - 19:10	(1145627) LAMELLAR PHOSPHATES: CHEMICAL MODIFICATION WITH CHLORHEXIDINE AND QUERCETIN FOR ODONTOLOGICAL APPLICATION Isabella Carneiro Gonçalves, Daniela de França da Silva Freitas, Gerson Alberto Valencia Albitres, Enzo Erbisti Garcia, Luis Claudio Mendes, Presenters: Isabella Carneiro Gonçalves,
17:10 - 19:10	(1097987) MECHANICAL CHARACTERIZATION OF METAMATERIALS FOR METALLIC IMPLANT APPLICATIONS Joaquim de Moraes Palmeira, Diego Ferreira, Yago Dinarte, Wellington Gilbert Fernandes, Claudio Teodoro dos Santos, Joan O'Connor, Cristiane Evelise Ribeiro da Silva, IEDA MARIA VIEIRA CAMINHA, MAURICIO DE JESUS MONTEIRO, Presenters: Joaquim de Moraes Palmeira,
17:10 - 19:10	(1140733) Microstructural and Mechanical Characterization of Hot-Rolled Ti-12Mo-3Nb Alloy for Biomedical Applications Caio Marcello Felbinger Azevedo Cossu, João de Ataíde Garcia Precioso, Aline Raquel Vieira Nunes, Ana Isabel de Carvalho Santana, Luiz Henrique de Almeida, Carlos Angelo Nunes, Sinara Borborema, Presenters: Sinara Borborema,
17:10 - 19:10	(1117151) Microstructural Evolution and Mechanical Performance of Zr-Modified β Titanium Alloys for Biomedical Applications Aline Raquel Vieira Nunes, Sinara Borborema, Ana Isabel de Carvalho Santana, RAMON DE ATTAYDE BARROS DE SOUZA, Caio Marcello Felbinger Azevedo Cossu, Jean Dille, Luiz Henrique de Almeida, Presenters: Aline Raquel Vieira Nunes,
17:10 - 19:10	(1128467) Microstructure and Hardness of Hot-Rolled Ti-12Mo-17Nb Alloy Maria Eduarda Godoi Corrêa, Caio Marcello Felbinger Azevedo Cossu, Ana Isabel de Carvalho Santana, Aline Raquel Vieira Nunes, Luiz Henrique de Almeida, Desconhecido1526, Sinara Borborema, Presenters: Sinara Borborema,

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17:10 - 19:10	(1176587) OBTAINING OF Ti13Nb13Zr ALLOY POWDER BY HIGH-ENERGY MILLING WITH NB MEDIA FOR SCAFFOLDS FABRICATION Barbara Lois Mathias de Souza, Durval Rodrigues Júnior, Persio Mozart, Presenters: Barbara Lois Mathias de Souza,
17:10 - 19:10	(1178266) Optimization of Drying Processes to Enhance the Bioactivity of 45S5 Bioactive Glass Angélica Galvão dos Santos Silva, Leticia Terumi Kito, Caroline M A Ramos, Eliandra de Sousa Trichês, Gilmar Patrocinio Thim, Presenters: Angélica Galvão dos Santos Silva,
17:10 - 19:10	(1144913) OPTIMIZATION OF MECHANICAL PROPERTIES OF CHITOSAN FILAMENTS OBTAINED BY WET SPINNING USING CENTRAL COMPOSITE DESIGN Henrique Nunes da Silva, Milena Costa da Silva, Débora De Sousa Lopes, Suédina Maria de Lima Silva, Marcus Vinicius Lia Fook, Presenters: Henrique Nunes da Silva,
17:10 - 19:10	(1145601) PLA/PEO-BASED ELECTROSPUN NANOFIBROUS MEMBRANES WITH Copaifera lutezelburgii OLEORESIN FOR SKIN TISSUE ENGINEERING APPLICATION Mariana Dutra Gama, FAbiana O KOTwiski, Darllen Guimaraes, Silvio A.B. Vieira de Melo, Luiza Amim Mercante, Elaine Christine de Magalhaes Cabral Albuquerque, Presenters: Elaine Christine de Magalhaes Cabral Albuquerque,
17:10 - 19:10	(1136055) RHEOLOGICAL CHARACTERIZATION OF A POLYMER BLEND MADE OF GELATIN AND CHITOSAN FOR FOLIC ACID RELEASE STUDY Eric Silva Rocha, Murilo Álison Vigilato Rodrigues, Ademar Benévolo Lugão, Presenters: Eric Silva Rocha,
17:10 - 19:10	(1098662) SILICA SBA-15 AND BORON NITRIDE NANOSTRUCTURES AS NANOCARRIERS IN SUSTAINED RELEASE OF PRODRUGS PEDRO HENRIQUE PEREIRA GONCALVES, Luísa Arantes Fernandes Vieira, Edésia Martins Barros de Sousa, Presenters: PEDRO HENRIQUE PEREIRA GONCALVES,
17:10 - 19:10	(1176561) SILK FIBROIN RHEOLOGICAL ANALYSIS Beatriz Miquilino Neto, Enrico Jardim Clemente Santos, Fernanda Simões Barna, João Pedro Valença Guimarães, Laura Fernanda Garcia, Lucas Tofic Messias, Monica Beatriz Mathor, Presenters: Beatriz Miquilino Neto,
17:10 - 19:10	(1176580) STRUCTURAL ANALYSIS BY RAMAN SPECTROSCOPY OF SILK FIBROIN MODIFIED BY IONIZING RADIATION Beatriz Miquilino Neto, Enrico Jardim Clemente Santos, Fernanda Simões Barna, João Pedro Valença Guimarães, Laura Fernanda Garcia, Lucas Tofic Messias, Monica Beatriz Mathor, Presenters: Beatriz Miquilino Neto,
17:10 - 19:10	(1111968) STUDY OF THE ANTIBACTERIAL ACTIVITY OF THYMOL INCORPORATION INTO A CLAY MINERAL Edson Cavalcanti da Silva Filho, LUIS HUMBERTO DE OLIVEIRA, Idglan Sá de Lima, Denise B. França, Albert Santos Silva, Santiago M. Carrasco, María del Mar Orta, Josy Anteveli Osajima, Maria Gardennia Fonseca, Presenters: Edson Cavalcanti da Silva Filho,
17:10 - 19:10	(1146243) SURFACE MODIFICATION OF IRON BY PLASMA ELECTROLYTIC OXIDATION: EFFECTS ON WETTABILITY AND DEGRADATION Rita de Cássia Reis Rangel, Presenters: Rita de Cássia Reis Rangel,
17:10 - 19:10	(1102810) Surface roughness of dental implants and process parameters of titanium dioxide gritblasting for productivity enhancement Mizael Rodrigues, Eduardo Guy Perpétuo Bock, Nilson Cristino da Cruz, Rosa Correa Leoncio De

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	Sá, Joaquim Antonio Ferreira da Rocha, Presenters: Mizael Rodrigues,
17:10 - 19:10	(1177675) Synthesis and Characterization of 45S5 Bioactive Glass Using Chloride and Nitrate Precursors Leticia Terumi Kito, Angélica Galvão dos Santos Silva, Caroline M A Ramos, Eliandra de Sousa Trichês, Gilmar Patrocinio Thim, Presenters: Leticia Terumi Kito,
17:10 - 19:10	(1098578) Synthesis and characterization of a nanocomposite based on strontium-doped hydroxyapatite and boron nitride nanotubes for bioapplications Kairone de Paula Amaral, Luísa Arantes Fernandes Vieira, Edésia Martins Barros de Sousa, Presenters: Kairone de Paula Amaral,
17:10 - 19:10	(1146218) SYNTHESIS AND CHARACTERIZATION OF CALCIUM ACETATE DERIVED FROM EGGSHELL WASTE FOR BIOMEDICAL APPLICATIONS Jasmine Keise de Oliveira Silva, Ana Paula Rosifini Alves Claro, Presenters: Jasmine Keise de Oliveira Silva,
17:10 - 19:10	(1176626) SYNTHESIS AND CHARACTERIZATION OF CHITOSAN-BASED 3D MATRICES CONTAINING HYDROXYAPATITE NANOPARTICLES Raul Pimentel Marques, Tatiane Cristina Dotta, Maryanne Trafani de Melo, Prof. Dr. Pietro Ciancaglini, Ana Paula Ramos, Presenters: Raul Pimentel Marques,
17:10 - 19:10	(1144910) SYNTHESIS OF MAGNESIUM WHITLOCKITE: INFLUENCE OF CATALYSTS ON PHYSICOCHEMICAL PROPERTIES AND CYTOCOMPATIBILITY Paula Consul Kazmirczak, LOURIVALDO DOS SANTOS PEREIRA, Maryanne Trafani de Melo, Tatiane Cristina Dotta, Prof. Dr. Pietro Ciancaglini, Ana Paula Ramos, Presenters: Paula Consul Kazmirczak,
17:10 - 19:10	(1098655) TAILORED THERANOSTIC NANOCOMPOSITES: MESOPOROUS SILICA, GOLD NANOPARTICLES, AND GADOLINIUM COMPLEXES FOR CANCER DIAGNOSIS AND TREATMENT André Felipe de Oliveira, Edésia Martins Barros de Sousa, Presenters: André Felipe de Oliveira,
17:10 - 19:10	(1178254) THE INFLUENCE OF CHARGE DENSITY IN GLASS STRUCTURE THROUGH INFRARED SPECTROSCOPY STUDY: INSIGHTS FOR ION THERAPY Ana Clara Mariano Pacheco, Joao Henrique Lopes, Luis Felipe Moreira Oliveira, Presenters: Ana Clara Mariano Pacheco,
17:10 - 19:10	(1134117) The influence of hot rolling on Ti- 12Mo – 8Nb alloys for biomedical applications Luiz Felipe Marcondes Carvalho, João de Ataíde Garcia Precioso, Caio Marcello Felbinger Azevedo Cossu, Sinara Borborema, Ana Isabel de Carvalho Santana, Aline Raquel Vieira Nunes, Desconhecido1526, Luiz Henrique de Almeida, Presenters: Luiz Felipe Marcondes Carvalho,
17:10 - 19:10	(1133306) Towards Personalized Bone Regeneration: Development of a 3D Bioprintable Bioink with Promising Properties Julia Mai Miyamoto, Nathan Cahuê Aventino Fidelis, Braulio de Vilhena Amorim Tostes Tostes, Severino Alves Júnior, Indira Carolina Brito Pires, Presenters: Julia Mai Miyamoto,
17:10 - 19:10	(1132870) Toxicological Evaluation of Food-Grade Synthetic Amorphous Silica (E551) in Digestive Tract Cell Lines Beatriz Lima Roquett, Wanderson de Souza, José Mauro Granjeiro, Leonardo C Boldrini, Presenters: Beatriz Lima Roquett,
17:10 - 19:10	(1118438) Tunable Properties of Solution Blow Spun PCL/HA Scaffolds for Bone Regeneration

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	Vítor Soares Ferreira, Bruna Nunes Teixeira, Rossana Mara da Silva Moreira Thiré, Presenters: Vítor Soares Ferreira,
17:10 - 19:10	(1241408) Use of gamma irradiation in the development of under-eye region patches containing hyaluronic acid and polyquaternium-11: Preliminary evaluation of skin hydration Tatiana Santana Balogh, Sławomir Kadłubowski, Ademar Benévolo Lugão, Presenters: Tatiana Santana Balogh,
17:10 - 19:10	(1146186) Valorization of cellulose fibers from eucalyptus reinforced poly(lactic) acid biocomposites for 3D printing by FDM Selma Meneses Nascimento, Julia Dornelas Perluxo, BARBARA PEREIRA, Valdeir Arantes, Daniella R. Mulinari, Presenters: Selma Meneses Nascimento,
17:10 - 19:10	(1145956) Advancing Biomedical Applications: Zinc Oxide and Ketoprofen in PLA Filaments for Enhanced Biocompatibility Ana Beatriz Molinari, Thalita da Silva Neto, Desconhecido4833, Derval dos Santos Rosa, Daniella R. Mulinari, Presenters: Daniella R. Mulinari,
17:10 - 19:10	(1111882) AR Biomass and Bio-Hydroxyapatite: A Promising Strategy for Bone Regeneration Using 3D Scaffolds Diana Gabriela Nina Nina, Marcelo de Assis, Giovanna de Amorim Grasser, Mirian Bonifacio, Elson Longo, Ana Claudia Muniz Rennó, Anna Rafaela Cavalcante Braga, Renata Neves Granito, Presenters: Diana Gabriela Nina Nina,
17:10 - 19:10	(1176095) BIONKS MODULATE 3D BIOPRINTED NEUROSPHERES BEHAVIOR Dr ^a . Bruna Alice Gomes de Melo, Jessica Heline Lopes da Fonseca, Marimelia A. Porcionatto, Presenters: Dr ^a . Bruna Alice Gomes de Melo,
17:10 - 19:10	(1145621) CAPACITIVE ELECTRICALLY STIMULATED ELECTROSPUN MEMBRANES FOR BONE TISSUE ENGINEERING Monica Mejia, Maria Elena Moncada Acevedo, Claudia Patricia Ossa Orozco, Diego Fernando Uribe Yunda, Maria Isabel Arias Acevedo, Presenters: Monica Mejia,
17:10 - 19:10	(1116779) Casting Skin Dressing Containing Extractions of the Organic Part of Marine Sponges for Wound Healing Ana Claudia Muniz Rennó, Presenters: Ana Claudia Muniz Rennó,
17:10 - 19:10	(1098543) CELLULAR DIFFERENTIATION OF MESENCHYMAL STEM CELLS FROM TOOTH PULP Jackeline Suemi Katayose, Presenters: Jackeline Suemi Katayose,
17:10 - 19:10	(1098376) CHARACTERIZATION OF 3D-BIOPRINTED SCAFFOLDS FROM SODIUM ALGINATE HYDROGELS WITH HYDROXYAPATITE AND SILK FIBROIN Gustavo Luiz Bueno Cardoso, José Augusto Mello dos Santos, Fernando dos Santos Ortega, Ivone Regina de Oliveira, Presenters: Gustavo Luiz Bueno Cardoso,
17:10 - 19:10	(1134295) Characterization of a Gelatin/Whitlockite Ink for 3D Printing of Scaffolds for Osteochondral Regeneration Gabriella Froehlich, Besna Fernando Ndungue, Larissa Ribeiro Lourenço, Juliana Marchi, Roger Borges, Presenters: Gabriella Froehlich,
17:10 - 19:10	(1112704) Chitosan Hydrogels Enriched with Biocompounds from the Marine Sponge Dysidea Robusta: Anti-inflammatory Potential

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	Mirian Bonifacio, Cintia Martignago, Dalete Christine da Silva Souza, Homero Garcia-Motta, Lais Caroline Souza e Silva, Beatriz Soares Silva, Karolyne dos Santos Jorge Sousa, Anabella .P. Rosso, João Henrique Ghilardi Lago, Alessandra Mussi Ribeiro, Marcelo de Assis, Renata Neves Granito, Ana Claudia Muniz Rennó, Anna Luiza Matavelli, Presenters: Mirian Bonifacio,
17:10 - 19:10	(1114001) CHITOSAN POLYMERIC FILMS FOR CONTROLLED RELEASE OF 6-MERCAPTOPURINE: INFLUENCE OF PH Raquel de Souza Ribeiro, Rodrigo Liscano, Ester Costa de Almeida, Vitor Oliveira De Souza, Cristiano Camacho, Tiago José Bandeira Sales, Sonia Letichevsky, Roberta Helena Mendonça, Presenters: Ester Costa de Almeida,
17:10 - 19:10	(1176643) Collagen-based scaffolds associated with kappa-carrageenan and chondroitin sulfate for bone regeneration Isabelle Costa Dias, Gildácio Chaves, Tatiane Cristina Dotta, Prof. Dr. Pietro Ciancaglini, Ana Paula Ramos, Presenters: Isabelle Costa Dias,
17:10 - 19:10	(1144273) DEVELOPMENT AND CHARACTERIZATION OF DRESSINGS CONTAINING CANNABIDIOL FOR ORAL APPLICATIONS MANUELA ROLDAN ALZATE, VALENTÍN HERRERA VÁSQUEZ, Claudia Patricia Ossa Orozco, Laura Sofia Osorio Velez, Presenters: MANUELA ROLDAN ALZATE,
17:10 - 19:10	(1133999) Development of 3D-Printed Piezoelectric Scaffolds Based on GelMA/Diphenylalanine Nanotubes and Phytotherapeutics for Chronic Wound Healing Applications Yunes Natal Menezes Coelho, Larissa Ribeiro Lourenço, Juliana Marchi, Besna Fernando Ndungue, Desconhecido3215, Roger Borges, Presenters: Yunes Natal Menezes Coelho,
17:10 - 19:10	(1114016) DEVELOPMENT OF A DEVICE FOR UNIDIRECTIONAL DRUG RELEASE Raquel de Souza Ribeiro, Rodrigo Liscano, Ester Costa de Almeida, Vitor Oliveira De Souza, Cristiano Camacho, Tiago José Bandeira Sales, Sonia Letichevsky, Roberta Helena Mendonça, Presenters: Rodrigo Liscano,
17:10 - 19:10	(1178249) DEVELOPMENT OF PIEZOELECTRIC FIBROUS SCAFFOLDS OF POLYCAPROLACTONE (PCL)/POLY(VINYLIDENE FLUORIDE) (PVDF)/HYDROXYAPATITE (HAp) BY AIRBRUSHING Ana Paula Bernardo Da Silva, Carla Cristina Schmitt Cavalheiro, Junio Augusto Rodrigues Pasqual, Presenters: Ana Paula Bernardo Da Silva,
17:10 - 19:10	(1133990) EFFECT OF ELECTRIC FIELD ON THE SYNTHESIS AND PIEZOELECTRIC PROPERTIES OF GELATIN METHACRYLOYL/WHITLOCKITE SCAFFOLDS FOR BONE REGENERATION Ana Lidia Almeida Costa, Besna Fernando Ndungue, Larissa Ribeiro Lourenço, Juliana Marchi, Desconhecido3215, Roger Borges, Presenters: Ana Lidia Almeida Costa,
17:10 - 19:10	(1176173) EVALUATION OF ALGINATE IN COMBINATION WITH A BIOCERAMIC, POLY(CAPROLACTONE) PARTICLES/STEROID OR COLLAGEN FOR BONE TISSUE ENGINEERING Martha R. Fontanilla, Natasha Maurmann, Patricia Pranke, Renato L. Siqueira, THALLYSON PEDRO MEDEIROS GODOI, Presenters: Martha R. Fontanilla,

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17:10 - 19:10	(1124923) EVALUATION OF ANTIOXIDANT ACTIVITY OF SKIN DRESSINGS MADE FROM FISH SKIN COLLAGEN WITH THE ADDITION OF BIOMASS FROM THE MICROALGAE Luana Dalle Luche, Lais Caroline Souza e Silva, Marcelo de Assis, Amanda de Souza, Mariana Simões, Mirian Bonifacio, Karolyne dos Santos Jorge Sousa, Anna Luiza Matavelli, Ana Claudia Muniz Rennó, Presenters: Luana Dalle Luche,
17:10 - 19:10	(1218044) Evaluation of bioactive properties of 3D printed alumina-zirconia bioceramic scaffolds coated with hyaluronic acid Saulo Duarte Ozelin, Thaís de Cássia Naitzel, kaline Nascimento ferreira, Julieta Adriana Ferreira, Eliria Maria de Jesus Agnolon Pallone, Hernane da Silva Barud, Rosemary Aparecida de Carvalho, Presenters: Saulo Duarte Ozelin,
17:10 - 19:10	(1098385) EVALUATION OF PLA/HA AND PLA/HA/G PRINTED SCAFFOLDS: INFLUENCE OF GRAPHENE AND HYDROXYAPATITE ON PHYSICOCHEMICAL AND BIOLOGICAL PROPERTIES. Jaqueline Vieira, Juliana Pitanga Negrão Souza, Arthur João Reis Lima Rodovalho, Caio Athayde, Josiane Dantas Viana Barbosa, Willams Barbosa, Ana Paula Bispo Gonçalves, Izamir Resende Junior Borges Miguel, Presenters: Jaqueline Vieira,
17:10 - 19:10	(1098617) EXTRACTION OF TYPE II COLLAGEN FROM CHICKEN CARTILAGE FOR THE DEVELOPMENT OF 3D PRINTING SCAFFOLDS João Pedro Valença Guimarães, Fernanda Simões Barna, Beatriz Miquilino Neto, Lucas Tofic Messias, Laura Fernanda Garcia, Monica Beatriz Mathor, Presenters: João Pedro Valença Guimarães,
17:10 - 19:10	(1145566) HYDROLYZED SILK FIBROIN AS A STABILIZER FOR CANNABIDIOL EMULSIONS maria paula osorio lozada, Presenters: maria paula osorio lozada,
17:10 - 19:10	(1098521) INNOVATIVE HYDROXYAPATITE-BASED COMPOSITE FOR BONE GRAFTS: ENHANCED BY CMC AND BNNTS Luísa Arantes Fernandes Vieira, Jéssica Pauline Nunes Marinho, Edésia Martins Barros de Sousa, Presenters: Luísa Arantes Fernandes Vieira,
17:10 - 19:10	(1176542) Magnetically Guided Biofabrication of 3D Constructs Rayla Russo Nascimento, Presenters: Rayla Russo Nascimento,
17:10 - 19:10	(1153797) MITIGATING BISPHOSPHONATE-RELATED OSTEONECROSIS WITH ATORVASTATIN/GRAPHENE OXIDE COMPOSITE George de Almeida Silva, Antônio Emanuel De Jesus Freires, Vanessa Costa de Sousa, Paula Goes Dutra, Maria Elenir Nobre Pinho Ribeiro, Presenters: Maria Elenir Nobre Pinho Ribeiro,
17:10 - 19:10	(1117989) Osteoregeneration promoted by electrospun scaffolds with a core-shell structure of PVA (polyvinyl alcohol) and a PLA (polylactic acid) with blood-derived product. Gabriela Cristina De Carvalho Silva, Francioni N, Fonseca Santiago, Silva Sant Marta, Kolmann Julian, Lisboa Rubin Juliana M, Stur M, Valentin Tumosa, Lembo Gustavo, Echave Elena, fabiano Luiz Heggendorf, Viviane Freitas de Oliveira Lione, Paulo Henrique de Souza Picciani, Sara Feldman, Presenters: Gabriela Cristina De Carvalho Silva,
17:10 - 19:10	(1253600) PCL/ALENDRONATE COMPOSITE POWDERS FOR LOCAL DRUG DELIVERY IN OSTEOPOROTIC BONES Talita Goulart da Silva, Ester Costa de Almeida, Vinícius Guedes Gobbi, Roberta Helena Mendonça, Presenters: Ester Costa de Almeida,

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17:10 - 19:10	(1146438) PCL/PLA/CPO MICROFIBERS FOR OXYGEN RELEASE AND TISSUE REGENERATION EVALUATED THROUGH HAT-CAM ASSAY Mariana Chaves Santos, GUILERME DE CASTRO BRITO, Moisés das Virgens Santana, ANDERSON DE OLIVEIRA LOBO, Presenters: Mariana Chaves Santos,
17:10 - 19:10	(1123176) POLYMER-BASED BIOMATERIALS WITH ANTI-INFLAMMATORY PROPERTIES, PRODUCED THROUGH SUPERCRITICAL CO₂, FOR THE TREATMENT OF ALS Jurandir da Silva Junior, Christiane Bertachini Lombello, Ligia Passos Maia Obi, Presenters: Jurandir da Silva Junior,
17:10 - 19:10	(1145039) POTENTIAL OF PHYTELEPHAS MACROCARPA SEEDS FOR THE DEVELOPMENT OF BIOMATERIALS FOR BONE REGENERATION HESHILEY CRISTHIANE CORREIA DA SILVA, YURI FERREIRA DA SILVA, Sara Gemini Piperni, Renata Antoun Simao, Presenters: HESHILEY CRISTHIANE CORREIA DA SILVA,
17:10 - 19:10	(1176050) PREPARATION AND CHARACTERIZATION OF BIPHASIC CALCIUM NANOPHOSPHATES OBTAINED BY WET SYNTHESIS FOR BONE REPAIR Enori Gemelli, Denys fabiano Krzizanowski Junior, Presenters: Enori Gemelli,
17:10 - 19:10	(1176114) PVA-BG58S-CL-BASED BARRIER MEMBRANES FOR GUIDED TISSUE/BONE REGENERATION THERAPY Isabela dos Santos Gonçalves, Bianca Lapadula Heckert Franklin de Abreu, Luana Marotta Reis de Vasconcellos, Tiago Moreira Bastos Campos, Ivone Regina de Oliveira, Presenters: Isabela dos Santos Gonçalves,
17:10 - 19:10	(1176107) SILK FIBROIN-PVP-GNP-BASED BARRIER MEMBRANES FOR TISSUE REGENERATION THERAPY Ivone Regina de Oliveira, Isabela Gonçalves, João Henrique Lopes, Leandro Jose Raniero, Marcos Jacobovitz, Tiago Moreira Bastos Campos, Presenters: Ivone Regina de Oliveira,
17:10 - 19:10	(1176591) SMART BIOMATERIALS FOR REGENERATIVE MEDICINE: ENGINEERING METHYLCELLULOSE-PULLULAN-XANTHAN THERMOSENSITIVE HYDROGELS Ângela Maria Moraes, Júlio César dos Santos, Marina Bosso, Mônica Maria Cruz-Santos, Presenters: Ângela Maria Moraes,
17:10 - 19:10	(1126278) SURFACE MODIFICATION AND CELL VIABILITY ANALYSIS OF COMPOSITE SCAFFOLDS OBTAINED BY 3D PRINTING Pedro Lucas Auzier da Silva, Ingrid Cabral Dos Santos, Joao Paulo Mota Jeronimo, Francisco Canindé Ferreira de Luna, Atos Tavares Matos, Felipe Tuji Castro Franco, Ana Paula Farias, Marcelle Fonseca Passos, Presenters: Joao Paulo Mota Jeronimo,
17:10 - 19:10	(1176637) Synthesis and characterization of polymeric and lipid nanoparticles for the controlled delivery of strontium-flavonoid complexes for bone therapies Elias Guilherme Basilio Silva, Gildácio Pereira Chaves Filho, Prof. Dr. Pietro Ciancaglini, Ana Paula Ramos, Presenters: Elias Guilherme Basilio Silva,
17:10 - 19:10	(1146206) SYNTHESIS AND CHARACTERIZATION OF Stryphnodendron adstringens HYDROGEL FOR WOUND THERAPY APPLICATIONS Jéssica Lyssa Araújo, Marly Sousa Franco, John William da Silva Queiroz, Nilton Akio Muto, Presenters: Jéssica Lyssa Araújo,

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17:10 - 19:10	(1144072) SYNTHESIS OF BIOMIMETIC BONE HYDROGEL BASED ON BEESWAX, SODIUM ALGINATE AND β-TRICALCIUM PHOSPHATE Giovanna Siqueira Todero, Presenters: Giovanna Siqueira Todero,
17:10 - 19:10	(1178263) SYNTHESIS OF GALLONI OBOSILICATE BIOACTIVE GLASS BY SOL-GEL METHOD FOR DUAL THERAPY: BONE CANCER AND BONE REPAIR Joao Henrique Lopes, Letícia Bastos, Luis Felipe Moreira Oliveira, Presenters: Joao Henrique Lopes,
17:10 - 19:10	(1140780) THREE-DIMENSIONAL BONE CELLS SPHEROID MODEL FOR EVALUATING AUTOLOGOUS PLATELET AGGREGATES Julya Vitória De Azevedo Dos Santos, Neilane Rodrigues Santiago Rocha, Emanuelle Stellet Lourenço, Fabíola Duarte Machado dos Santos, Victor Hugo de Souza Lima, Carlos Fernando Mourão, Gutemberg Gomes Alves, Presenters: Julya Vitória De Azevedo Dos Santos,
17:10 - 19:10	(1143404) TNAP-VITRONECTIN INTERACTIONS IN LANGMUIR FILMS: IMPLICATIONS FOR BONE BIOMATERIALS João Paulo Martins Machado, Presenters: João Paulo Martins Machado,
17:10 - 19:10	(1176184) TUNING HYDROGEL PERFORMANCE: PRE-CROSSLINKING EFFECTS ON METHYLCELLULOSE-ALGINATE FORMULATIONS FOR 3D BIOPRINTING Ângela Maria Moraes, Fernanda Carla Bombaldi de Souza, Renata Francielle Bombaldi de Souza, Richard Bryan Mendes Sanches, Rodolpho Fagundes Correa, Victor Marchiori de Souza, Presenters: Victor Marchiori de Souza,
17:10 - 19:10	(1176568) ANALYSIS OF THE CELLULAR BEHAVIOR OF HUMAN DENTAL PULP STEM CELL SPHEROIDS EMBEDDED IN HYBRID HYDROGEL FOR BONE TISSUE ENGINEERING Alexandre Malta Rossi, Katiucia BS Paiva, Felipe Nejm Oinegue Fulfaro, José Mauro Granjeiro, Presenters: Alexandre Malta Rossi,
17:10 - 19:10	(1098113) Association of three-dimensional spheroids of human adipose tissue stromal cells with nanostructured carbonated hydroxyapatite for bone bioengineering Bianca Montenegro da Cunha, Marcelle Pegurier, José Mauro Granjeiro, Ronaldo José Farias Corrêa do Amaral, Alexandre Malta Rossi, Leandra Santos Baptista, Presenters: Bianca Montenegro da Cunha,
17:10 - 19:10	(1135257) CHARACTERIZATION AND CYTOTOXICITY OF CARBONATED SILVER NANOPARTICLES IN GLIOBLASTOMA MULTIFORME CELL LINE Fernanda Santana Sias, Nathalia Vieira Müller, Ligia Ferreira Gomes, Celso Barbosa de Sant'Anna Filho, Presenters: Fernanda Santana Sias,
17:10 - 19:10	(1132716) EFFECTS OF CARBONATED SILVER NANOPARTICLES ON HUMAN LUNG ADENOCARCINOMA CELLS Júlia Tatagiba Mendes, Nathalia Vieira Müller, Celso Sant'Anna, Presenters: Júlia Tatagiba Mendes,
17:10 - 19:10	(1135766) EVALUATION OF THE CYTOTOXIC EFFECT OF SILVER NANOPARTICLES ON THE MORPHOLOGY OF GLIOBLASTOMA MULTIFORME CELLS MONIQUE LAURA BORGES RIBEIRO, Fernanda Santana Sias, Celso Barbosa de Sant'Anna Filho, Nathalia Vieira Müller, Diego Wiechers, Presenters: MONIQUE LAURA BORGES RIBEIRO,

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17:10 - 19:10	(1145421) Gelatin and Sodium Alginate Gels to Improve In Vitro Cultures of Colon Cancer Cell Lineages Thais Monteiro, Giovana Dias da Silva, Daniel Perez Vieira, Presenters: Thais Monteiro,
17:10 - 19:10	(1118605) GUIDED CELL GROWTH ON MICROSTRUCTURED BIOPOLYMERS VIA FEMTOSECOND LASER PROCESSING Vanessa Modelski Schatkoski, Ana Paula Lemes, Heino Besser, Wilhelm Pfleging, Eduardo Guy Perpétuo Bock, Dayane Batista Tada, Presenters: Vanessa Modelski Schatkoski,
17:10 - 19:10	(1145388) Metrological Analysis of the Antitumor Potential of Silver Nanoparticles in Osteosarcoma Cells Lilian Pinto Mamede, Wanderson de Souza, Celso Barbosa de SantAnna Filho, José Mauro Granjeiro, Presenters: Lilian Pinto Mamede,
17:10 - 19:10	(1155067) PHYSIOLOGICAL AND ANTITUMOR EVALUATION OF CARBONATED SILVER NANOPARTICLES IN HUMAN LUNG EPITHELIAL CELLS Thayane Rita Borges de Faria, Celso Barbosa de SantAnna Filho, Emile Santos Barrias, Presenters: Emile Santos Barrias,
17:10 - 19:10	(1176556) PVA-VEGF/PLA ELECTROSPUN CORE-SHELL SCAFFOLDS INTERACION WITH 3D MESENCHYMALL STEM CELLS SPHEROIDS Anna Toledo, Isabela de Carvalho Favareto, Leandra Santos Baptista, Marcos Lopes Dias, Presenters: Anna Toledo,
17:10 - 19:10	(1134081) Synergistic Development of Chitosan–Silver Silicate Antimicrobial Membranes Ana Luiza de Camargo Doimo, Giovanna de Amorim Grasser, Diana Gabriela Nina Nina, Renata Neves Granito, Ana Claudia Muniz Rennó, Elson Longo, Marcelo de Assis, Presenters: Ana Luiza de Camargo Doimo,
17:10 - 19:10	(1132931) Synthesis and Characterization of Hydroxyapatite with Controlled Particle Size for Enhanced Osteodifferentiation of Bone Marrow-Derived Stem Cells Braulio de Vilhena Amorim Tostes Tostes, Julia Mai Miyamoto, Nathan Cahuê Aventino Fidelis, Indira Carolina Brito Pires, Severino Alves Júnior, Presenters: Braulio de Vilhena Amorim Tostes Tostes,
17:10 - 19:10	(1139001) SYNTHESIS OF SILVER NANOPARTICLES AND EVALUATION OF CYTOTOXIC EFFECT IN BREAST AND COLORECTAL CANCER CELLS Manuella Peixoto Furtado, Michelle Lopes de Oliveira, Celso Barbosa de SantAnna Filho, Presenters: Manuella Peixoto Furtado,
17:10 - 19:10	(1253591) HOT-EXTRUDED PCL/OLANZAPINE FILAMENTS FOR SUSTAINED RELEASE IN SCHIZOPHRENIA MANAGEMENT Hellen Regina Oliveira de Almeida, Ester Costa de Almeida, Rodrigo Liscano, Beatriz Ferreira de carvalho Patricio, Vinícius Guedes Gobbi, Prof. Dr. Helvécio Vinícius Antunes Rocha, Roberta Helena Mendonça, Presenters: Rodrigo Liscano,
17:10 - 19:10	(1146094) A nanotechnological graphene composite doped with silver with antibacterial activity for biomedical applications. Thamyres Freire da Silva, Thiago Alves de Moura, Luciano Ferreira De Almeida, Antonio Gomes de Souza Filho, Fábila Karine Andrade, Rodrigo Silveira Vieira, Presenters: Thamyres Freire da Silva,
17:10 - 19:10	(1099005) Photopolymerizable nanocomposites of dimethacrylated PCL enriched with ZnO nanoparticles for high-resolution 3D Printing of Tissue Engineering Scaffolds Sandra Mirella Larriega Cruz, Presenters: Sandra Mirella Larriega Cruz,

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17:10 - 19:10	(1146502) Characterization of Tantalum Coating on Titanium Surface by Plasma Electrolytic Oxidation Mizael Rodrigues, Pedro P. G. Morais, Eduardo Guy Perpétuo Bock, Nilson Cristino da Cruz, Natallie Zilio de Souza Teixeira, Presenters: Pedro P. G. Morais,
17:10 - 19:10	(1098744) Development of Application-Oriented Protocols for Rheological and Mechanical Characterization of Injectable Biopolymer Hydrogels Petrus do Nascimento Kirsten, Pedro Esteves Duarte Augusto, Patrick Perré, Bianca Chieregato Maniglia, Ana Paula Ramos, Presenters: Petrus do Nascimento Kirsten,
17:10 - 19:10	(1176608) Gadolinium-Doped Hydroxyapatite Nanoparticles Functionalized with Folic Acid: A Theranostic Platform for Targeted Cancer Therapy Edésia Martins Barros de Sousa, Jessica Pauline Nunes Marinho, Presenters: Edésia Martins Barros de Sousa,
17:10 - 19:10	(1100890) The Influence of aging on the properties of the Ti-10Mo-20Nb alloy Mariana Soares Alvaro, Mariana Soares Alvaro, Sinara Borborema, Ana Isabel de Carvalho Santana, Caio Marcello Felbinger Azevedo Cossu, Aline Raquel Vieira Nunes, Carlos Angelo Nunes, Luiz Henrique de Almeida, Presenters: Mariana Soares Alvaro,
17:10 - 19:10	(1214599) Carboxymethyl kappa-carrageenan: anticoagulant coatings as sustainable alternatives to heparin for blood contacting devices Liszt Yeltsin Coutinho Madruga, Somayeh Baghersad, Paulo França, Roberta M. Sabino, Matt J. Kipper, Ketul Popat, Presenters: Ketul Popat,
17:10 - 19:10	(1139402) Chitosan and Mentha piperita membranes for use as dressings in burns Raquel Costa Barbosa, Rafaela Costa Barbosa, Erika Emanuella Barbosa Santos, SANDRA MARIA CARVALHO DE BARROS, Marcus Vinicius Lia Fook, Presenters: Raquel Costa Barbosa,
17:10 - 19:10	(1145693) Development and evaluation of the biological activity of chitosan and hydroxyapatite scaffolds enriched with SrMoO₄. Giovanna de Amorim Grasser, Karolyne dos Santos Jorge Sousa, Diana Gabriela Nina Nina, Ana Claudia Muniz Rennó, Mirian Bonifacio, Renata Neves Granito, Elson Longo, Marcelo de Assis, Presenters: Giovanna de Amorim Grasser,
17:10 - 19:10	(1176592) Hybrid Collagen/Silk Fibroin Membranes Reinforced with Hollow Mesoporous Silica Nanoparticles for Enhanced Guided Bone Regeneration Camila Barboza Moura Chianca, João Henrique Lopes, Naomy Yukari Hirota, Vitória Maria Gomes De Moura, Presenters: Camila Barboza Moura Chianca,
17:10 - 19:10	(1098556) Innovative Hydroxyapatite-Based Composite for Bone Grafts: Enhanced by CMC and BNNTs. Luísa Arantes Fernandes Vieira, Jéssica Pauline Nunes Marinho, Edésia Martins Barros de Sousa, Presenters: Luísa Arantes Fernandes Vieira,
17:10 - 19:10	(1098769) Smart beads for smarter drug delivery: unveiling the role of barium in alginate matrices Yasmin Pinheiro Cabral, Paula Cristina Gomes Fernandes, João Henrique Lopes, Presenters: Yasmin Pinheiro Cabral,

Poster Session II

CABO FRIO B + C + D

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Schedule	Title/Authors
17:10 - 19:10	(1178269) 3D BIOPRINTING OF SPHEROIDS ON A FLEXDYM POLYMERIC SCAFFOLD FOR APPLICATION IN BONE ENGINEERING Leandra Santos Baptista, Ronaldo José Farias Corrêa do Amaral, Tathiana Proença Pampolha, Presenters: Leandra Santos Baptista,
17:10 - 19:10	(1145061) Application of 3D Printing in the Development of PLA Orthopedic Insoles: Stress Analysis and Mechanical Behavior Ana Clara Moraes de Oliveira Silva, Maria Clara de Senne Guarnier, Simone Pereira Taguchi Borges, Luiz Antônio Borges Júnior, Rafaela Damasceno, Presenters: Ana Clara Moraes de Oliveira Silva,
17:10 - 19:10	(1145848) NANOFIBROUS MEMBRANE LOADED WITH GRAPHENE AND SILVER: A VIRUCIDAL AND ANTIBACTERIAL MATRIX FOR HEALTH APPLICATIONS Francisco Fábio Pereira de Souza, JOAO DE DEUS PEREIRA DE MORAES SEGUNDO, Jamilly Salustiano Ferreira, Erika Patrícia Chagas Gomes Luz, Thamyres Freire da Silva, Marisa Beppu, Fábía Karine Andrade, Rodrigo Silveira Vieira, Presenters: Francisco Fábio Pereira de Souza,
17:10 - 19:10	(1134191) COBALT-CURCUMIN DOPED MESOPOROUS BIOACTIVE GLASS SPHERES FOR WOUND HEALING Amanda Maria Almeida Coco, Aldo R. Boccaccini, Eduardo Henrique Martins Nunes, Presenters: Amanda Maria Almeida Coco,
17:10 - 19:10	(1146521) CORROSION BEHAVIOR OF FE-35MN ALLOY MODIFIED BY PLASMA ELECTROLYTIC OXIDATION (PEO) Kerolene Barboza da Silva, Ana Paula Rosifini Alves Claro, Rita de Cássia Reis Rangel, Presenters: Kerolene Barboza da Silva,
17:10 - 19:10	(1098407) Development and Characterization of Polymeric Membranes from Chitosan and Passion Fruit Oil (Passiflora edulis) João Paulo Freitas Guimarães, Marcele Fonseca Passos, Beatriz Campelo da Silva, Presenters: Beatriz Campelo da Silva,
17:10 - 19:10	(1112915) DEVELOPMENT OF MICROSPHERES PRODUCED BY ELECTROSPRAYING BASED ON CHITOSAN AND POLY(ε-CAPROLACTONE) FOR BIOMEDICAL APPLICATIONS Gian Carlos Souza Soares, Beatriz Campelo da Silva, Marcele Fonseca Passos, Presenters: Gian Carlos Souza Soares,
17:10 - 19:10	(1133014) Effect of gamma irradiation on 3D printed chitosan/bioactive glass scaffolds for nerve regeneration Larissa Rlbeiro Lourenço, Erik Felix dos Santos, Beatriz Miquilino Neto, Mônica Beatriz Mathor, Carlos Alberto-Silva, Juliana Marchi, Presenters: Larissa Rlbeiro Lourenço,
17:10 - 19:10	(1132728) ELECTROSPUN BIOPOLYMER FIBERS INCORPORATING CELLULOSE NANOCRYSTALS AND TEA TREE OIL: ANTIBACTERIAL, ANTIOXIDANT, AND CYTOCOMPATIBILITY ASSESSMENT FOR SKIN REGENERATION Karla Faquine Rodrigues, Andrada-loana Damian-Buda, Thaís Larissa do Amaral Montanheiro, Alan Silva dos Santos, Cristiane Yumi Koga-Ito, Gilmar Patrocinio Thim, Aldo R. Boccaccini, Presenters: Karla Faquine Rodrigues,

Schedule	Title/Authors
17:10 - 19:10	(1178248) GELATIN FIBERS PRODUCED BY SOLUTION BLOW SPINNING: FACTORIAL DESIGN APPLIED TO NANO DIMENSIONING Ademar Benévolo Lugão, Desconhecido440, Luiz H C Mattoso, Murilo Álison Vigilato Rodrigues, VIRGINIA DA CONCEICAO AMARO MARTINS, Presenters: Desconhecido440,
17:10 - 19:10	(1145912) Gingival Matrix from Bovine Origin as a Bioengineered Dressing: Preservation Analysis by SEM Amanda Cavalcanti, Adriana Reis, Igor José Boggione Santos, Ana Paula Madureira, Daniela Leite Fabrino, Presenters: Amanda Cavalcanti,
17:10 - 19:10	(1175986) Hot versus Cold Swaging of Ti-10Mo-20Nb alloy: Microstructure and Properties Roberto de Oliveira Magnago, Caio Marcello Felbinger Azevedo Cossu, Aline Raquel Vieira Nunes, Carlos Angelo Nunes, Luiz Henrique de Almeida, Sinara Borborema, Presenters: Roberto de Oliveira Magnago,
17:10 - 19:10	(1264033) Hot versus Cold Swaging of Ti-10Mo-20Nb alloy: Microstructure and Properties b Roberto Magnago, Luiz Henrique de Almeida, Caio Marcello Felbinger Azevedo Cossu, Aline Raquel Vieira Nunes, Carlos Angelo Nunes, Sinara Borborema, Presenters: Roberto Magnago,
17:10 - 19:10	(1177668) In situ synthesis of hydroxyapatite/graphene nanocomposites by solution combustion: Influence of the reducing reaction Ana Paula Bispo Gonçalves, eduardo alves bandeira peres, Izamir Resende Junior Borges Miguel, Jaqueline Vieira, Josiane Dantas Viana Barbosa, Willams Barbosa, Presenters: Ana Paula Bispo Gonçalves,
17:10 - 19:10	(1126911) NEW PERSPECTIVES ON TI ALLOYS FOR BIOMEDICAL APPLICATIONS Carlos Roberto Grandini, Presenters: Carlos Roberto Grandini,
17:10 - 19:10	(1241413) PVA and HPMC E4M-based patches for periorbital hyperpigmentation containing açaí oil, barbatimão extract, and hyaluronic acid: Preliminary evaluation of skin hydration Tatiana Santana Balogh, Sławomir Kadłubowski, Ademar Benévolo Lugão, Presenters: Tatiana Santana Balogh,
17:10 - 19:10	(1176547) Recent advances in high entropy alloys targeted as biomaterials Danilo Cervantes Mauricio, Diego Rafael Nespesque Corrêa, Jhulienne Elen Muro Torrento, Karine Stefany Coan, TIAGO DOS SANTOS PEREIRA DE SOUSA, Presenters: Danilo Cervantes Mauricio,
17:10 - 19:10	(1176551) 3D PRINTED PLA/PCL SCAFFOLDS COATED WITH MESOPOROUS BIOACTIVE GLASSES FOR TISSUE ENGINEERING A Ana Paula Nogueira Alves, Silvana del Carmen Ramírez Victoria, María Cristina Kantun Uicab, Fábio Roberto Passador, Eliandra de Sousa Trichês, Presenters: Ana Paula Nogueira Alves,
17:10 - 19:10	(1176610) Bioactive Scaffolds with Zn-Based Nanoparticles for Skin Tissue Engineering: Fabrication, Characterization, and In Vitro Evaluation Marcelo de Assis, Diana Gabriela Nina Nina, Karolyne dos Santos Jorge Sousa, Amanda de Souza, Mirian Bonifacio, Renata Neves Granito, Ana Claudia Muniz Rennó, Presenters: Marcelo de Assis,
17:10 - 19:10	(1146107) BIOLOGICAL MATRIX BASED ON DECELLULARIZED TUNA CORNEA LOADED WITH CONDITIONED MEDIA SHOWS REGENERATIVE POTENTIAL FOR CORNEAL INJURIES Francisco Fábio Pereira de Souza, Lidyane Souto Maciel Marques, Erika Patrícia Chagas Gomes Luz, Andressa Fernanda Araujo Pereira, Pedro Henrique Domingos, Julia De Campos Preto, Wilson

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	Falco Neto, Ana Paula Girol, Fábila Karine Andrade, Rodrigo Silveira Vieira, Presenters: Francisco Fábio Pereira de Souza,
17:10 - 19:10	(1117065) BIOMECHANICAL EFFECTS OF GELATIN METHACRYLOYL-BASED HYDROGELS ON VASCULATURE FORMATION Jhonatan Rafael de Oliveira Bianchi, Gabriela Gomes, Hernandes Faustino de Carvalho, Prof. Dra. Lucimara Gaziola de la Torre, Presenters: Jhonatan Rafael de Oliveira Bianchi,
17:10 - 19:10	(1146476) Biomimetic Hybrid Scaffolds for Intervertebral Disc Regeneration: From MRI Imaging to 3D Printing Millena De Cassia Sousa E Silva, MANUEL HENRIQUE DE SOUSA CUNHA, ANDERSON DE OLIVEIRA LOBO, Presenters: Millena De Cassia Sousa E Silva,
17:10 - 19:10	(1118519) Carboxymethyl Cellulose/Collagen Hydrogel-Coated Mesh Effectively Reduces Internal Adhesions in Rodent Models Wei-Bor Tsai, Presenters: Wei-Bor Tsai,
17:10 - 19:10	(1177665) Characterization and Immunohistochemistry of a New 3D Hydrogel with a Drug Delivery System for Bone Repair in Osteoporotic Rats Eliandra Sousa, Elisa Freire Sant'Anna de Oliveira, Juliani Caroline Ribeiro de Araújo Souto, Letícia Adrielly Dias Grisante, Luana Marotta Reis de Vasconcellos, Marília Nanni Vieira, Verônica Ribeiro dos Santos Borges, Presenters: Eliandra Sousa,
17:10 - 19:10	(1209549) CHARACTERIZATIONS OF ELECTROSPUN POLYCAPROLACTONE WITH THE ADDITION HYDROXYAPATITE OR ZINC-HYDROXYAPATITE FOR BONE REGENERATION Ana Chor, Andrea Machado Costa, Marcos Lopes Dias, Suzana dos Anjos Mota Pimenta, Elena Mavropoulos, Alexandre Malta Rossi, Marcos Farina de Souza, José Mauro Granjeiro, Presenters: Ana Chor,
17:10 - 19:10	(1146433) DEVELOPMENT OF CHITOSAN-BASED SCAFFOLDS INCORPORATING DECELLULARIZED EXTRACELLULAR MATRIX FROM BOVINE SKIN FOR ADVANCES IN BIOACTIVE WOUND HEALING Vinícius Viana, Wellington Luís Oliveira de Souza Filho, Adriana Reis, Ana Paula Madureira, Daniela Leite Fabrino, Presenters: Vinícius Viana,
17:10 - 19:10	(1177659) Development of PLA Nanofibers/Sodium Alginate Hydrogel Hybrid Scaffold for Tissue Regeneration: A Preliminary Study Alexandre Luiz Souto Borges, Eliandra Sousa, Luana Marotta Reis de Vasconcellos, Verônica Ribeiro dos Santos Borges, Presenters: Alexandre Luiz Souto Borges,
17:10 - 19:10	(1135078) DEVELOPMENT OF SCAFFOLD FOR BONE REGENERATION: EVALUATION OF PCL MEMBRANES PRODUCED BY SOLUTION BLOW SPINNING AND ELECTROSPINNING Thiago Maia Martins, Lys Mangia, Camila Guindani, Marcel Guimarães Martins, Sara Gemini Piperni, Paulo Henrique de Souza Picciani, Arthur Henrique Vidigal de Miranda, Presenters: Thiago Maia Martins,
17:10 - 19:10	(1135088) DEVELOPMENT OF SMART TEXTILES BY SOLUTION BLOW SPINNING, WITH ANTIMICROBIAL AND PHOTOPROTECTIVE PROPERTIES Thiago Maia Martins, Lys Mangia, Camila Guindani, Marcel Guimarães Martins, Priscilla Finotelli, Paulo Henrique de Souza Picciani, Arthur Henrique Vidigal de Miranda, Presenters: Thiago Maia Martins,
17:10 - 19:10	(1146449) Evaluation of the Recellularization Efficiency of Decellularized Bovine Extracellular Matrix Functionalized with Gold Nanoparticles

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	Wellington Luís Oliveira de Souza Filho, Amanda Cavalcanti, Luiza Oliveira, Adriana Reis, Igor José Boggione Santos, Ana Paula Madureira, Daniela Leite Fabrino, Presenters: Wellington Luís Oliveira de Souza Filho,
17:10 - 19:10	(1133821) GALLIUM-DOPED MESOPOROUS BIOACTIVE GLASS: SYNTHESIS, CHARACTERIZATION, AND POTENTIAL FOR COMBINED THERAPIES IN BONE CANCER TREATMENT Bianca Marçal Pagan, Gabriela Colares Ali Ganem, João Henrique Lopes, Presenters: Gabriela Colares Ali Ganem,
17:10 - 19:10	(1110772) In Situ Forming of Nitric Oxide and Electric Stimulus for Nerve Therapy by Wireless Chargeable Gold Yarn-Dynamos Shang-Hsiu Hu, Presenters: Shang-Hsiu Hu,
17:10 - 19:10	(1145448) Innovative Biomaterial for Gingival Recession Using Decellularized Bovine Gingival Matrix Functionalized with Nanosilver Amanda Cavalcanti, Adriana Reis, Igor José Boggione Santos, Ana Paula Madureira, Ralph Gruppi Thomé, Daniela Leite Fabrino, Presenters: Amanda Cavalcanti,
17:10 - 19:10	(1176089) Modulation of Extracellular Vesicles Derived from Adipose Tissue and Umbilical Cord Mesenchymal Stromal Cells for the Treatment of Osteoarthritis Ana Carolina Borges Campos, Almir Jordão da Silva-Junior, Paula Lopes Cascabulho, Anne Caroline De Moraes Monção, Ana Célia Sá de Carvalho, Camila Hubner Costabile Wendt, Leandra Santos Baptista, Rosalia Mendez-Otero, Juliana Ferreira Vasques, Ronaldo José Farias Corrêa do Amaral, Presenters: Ronaldo José Farias Corrêa do Amaral,
17:10 - 19:10	(1145096) Poly (butylene succinate) as a versatile and sustainable polymer for biomedical applications JESSICA BENTES ALVES, Luiza Barletta Flôres, Bianca Martuscelli dos Santos, Luciana da Silva Dutra, Camila Guindani, Ariane de Jesus Sousa Batista, Presenters: JESSICA BENTES ALVES,
17:10 - 19:10	(1133761) POLY(HYDROXYBUTYRATE-CO-HYDROXYVALERATE) AND POLY(E-CAPROLACTONE) SCAFFOLD FOR BONE TISSUE ENGINEERING: IN VITRO AND IN VIVO STUDY Amália Baptista-Perianes, Marcia Mayumi Omi Simbara, Sônia Maria Malmonge, Marcelo Rodrigues da Cunha, Arnaldo Rodrigues Santos Jr, Presenters: Arnaldo Rodrigues Santos Jr,
17:10 - 19:10	(1176548) Smart Formulation of Probiotic Extracellular Vesicles for Topical Therapy in Inflammatory Bowel Disease Ashok Kumar, Ayushi Mairal, Presenters: Ashok Kumar,
17:10 - 19:10	(1134142) SMARTGELP: A Promising Thermosensitive Hydrogel for Post-Stroke Neural Regeneration Gabriela Colares Ali Ganem, Bianca Marçal Pagan, CRISTINA Pacheco SOARES, João Henrique Lopes, Presenters: Gabriela Colares Ali Ganem,
17:10 - 19:10	(1132833) SODIUM ALGINATE HYDROGEL AS A TREATMENT FOR SPINAL CORD INJURY IN A MURINE MODEL Sophia Sthefanie Moura, Presenters: Sophia Sthefanie Moura,
17:10 - 19:10	(1130350) Biomaterials with Modified Surfaces: a comparison of Cellular Responses and Biological Evaluation Eduardo Guy Perpétuo Bock, José Luis Viana, Rodrigo de Lima, Rafael Palma, Ana Paula Guerra Gomes, Rosa Correa Leoncio De Sá, Evandro Drigo da Silva, Dayane Batista Tada, Wilhelm

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	Pfleging, Presenters: Eduardo Guy Perpétuo Bock,
17:10 - 19:10	(1133383) LAB-ON-A-CHIP-COMPATIBLE GRAPHENE OXIDE COATINGS VIA SAW ATOMIZATION FOR SUPPORTING CELL PROLIFERATION Olga Balachova, Andrea Cecilia Dorión Rodas, Serguei Balachov, Juliana Kelmy Macário Barbosa Daguano, Presenters: Olga Balachova,
17:10 - 19:10	(1263891) METROLOGICAL VALIDATION OF A REAL-TIME ELECTRICAL IMPEDANCE METHOD FOR MONITORING A549 CELL PROLIFERATION Ekeveliny Amabile Veschi, Leonardo C Boldrini, José Mauro Granjeiro, Presenters: Ekeveliny Amabile Veschi,
17:10 - 19:10	(1153364) OSTEOINTEGRATION OF NITI IMPLANTS IN OSTEOTOMIES IN FEMUR METAPHYSICS IN RABBITS Mônica Adriana Araújo Souza, Marcelo Jorge Cavalcanti de Sá, Ademar Benévolo Lugão, Presenters: Marcelo Jorge Cavalcanti de Sá,
17:10 - 19:10	(1133851) 3D PRINTED AND MULTIFUNCTIONAL GELATIN METHACRYLOYL/HYDROXYAPATITE SCAFFOLDS FOR BONE CANCER TREATMENT ALLIED WITH BONE REGENERATION Maira Smaniotto Cuciello, Giulia Santana de Mello, Eduardo Sziakszay, Bruno Bertoluzzi Bellini, Felipe Barros De Andrade Silva, Roger Borges, Presenters: Maira Smaniotto Cuciello,
17:10 - 19:10	(1133774) 3D-PRINTED SCAFFOLDS FOR BONE REGENERATION AND OSTEOSARCOMA THERAPY THROUGH CISPLATIN DELIVERY José Guilherme Teixeira Salama, João Paulo Girão Hawthorne, Luana Horn Metz, Isabelle Yadoya Chakur, Roger Borges, Maira Smaniotto Cuciello, Presenters: José Guilherme Teixeira Salama,
17:10 - 19:10	(1133312) ANTITUMOR POTENTIAL OF AMAZONIAN PLANT BIOACTIVES ENCAPSULATED IN PLURONIC MICELLES Ana Júlia Ferreira Fagundes, Diego Wiechers, Veronica da Silva Ferreira, Celso Sant'Anna, Presenters: Ana Júlia Ferreira Fagundes,
17:10 - 19:10	(1134383) BIOENGINEERED 3D SCAFFOLD COMPOSED OF CHITOSAN, ALGINATE, AND HYDROXYAPATITE FOR BONE-TARGETED DRUG DELIVERY Júlia dos Santos Simões, Fernanda Percegoni Lorenzini, Tiago Bandeira de Mello, Maira Smaniotto Cuciello, Roger Borges, Presenters: Júlia dos Santos Simões,
17:10 - 19:10	(1141994) BIOENGINEERED CHITOSAN-ALGINATE-HYDROXYAPATITE SCAFFOLD FOR CONTROLLED DOXORUBICIN RELEASE AND BONE TISSUE REGENERATION Fernanda Percegoni Lorenzini, Júlia dos Santos Simões, Tiago Bandeira de Mello, Roger Borges, Maira Smaniotto Cuciello, Presenters: Fernanda Percegoni Lorenzini,
17:10 - 19:10	(1178280) Characterization of Chitosan Hydrogels for the Release of Marine Biocompounds Alessandra Mussi Ribeiro, Anna Luiza Matavelli, Ana Claudia Muniz Rennó, Anabella .P. Rosso, Beatriz Soares Silva, Cintia Martignago, Daleté Christine da Silva Souza, Homero Garcia-Motta, João Henrique Ghilardi Lago, Karolyne dos Santos Jorge Sousa, Lais Caroline Souza e Silva, Marcelo de Assis, Mirian Bonifacio, Renata Neves Granito, Presenters: Anna Luiza Matavelli,
17:10 - 19:10	(1141650) CHARACTERIZATION OF CHITOSAN-BASED HYDROGELS AIMED AT OSTEOARTHRITIS TREATMENT: A FUTURE APPROACH WITH Dysidea janiae EXTRACT Beatriz Soares Silva, Mirian Bonifacio, Cintia Martignago, Homero Garcia-Motta, Patricia Lopes, Lais

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	Caroline Souza e Silva, Ana Claudia Muniz Rennó, Alessandra Mussi Ribeiro, Presenters: Beatriz Soares Silva,
17:10 - 19:10	(1107589) Clotrimazole coated microneedle systems: Development and Optimization Bozena Michniak-Kohn, Oliwia Kordyl, Tomasz Osmalek, Presenters: Bozena Michniak-Kohn,
17:10 - 19:10	(1098377) COMPARATIVE EVALUATION OF DISPERSANTS IN THE PRODUCTION OF CHITOSAN NANOPARTICLES CONTAINING PHYTOCHEMICALS Jaqueline Vieira, Juliana Pitanga Negrão Souza, Ana Paula Bispo Gonçalves, Willams Barbosa, Josiane Dantas Viana Barbosa, Presenters: Jaqueline Vieira,
17:10 - 19:10	(1132646) CURCUMIN AS A LIGAND IN MOFS: THE POTENTIAL ENHANCEMENT OF THERAPEUTIC PROPERTIES Marina Guedes Fonseca De Souza, Alice Leonel, Eduardo Henrique Martins Nunes, Daniel Cristian Ferreira Soares, Presenters: Marina Guedes Fonseca De Souza,
17:10 - 19:10	(1140610) CYTOCOMPATIBILITY OF DENATURED ALBUMIN/ PLATELET-RICH FIBRIN MEMBRANES CONTAINING NANOSTRUCTURED CARBONATED HYDROXYAPATITE (ALB-NCHA-PRF) FOR DOXYCYCLINE RELEASE Neilane Rodrigues Santiago Rocha, Emanuelle Stellet Lourenço, Victor Hugo de Souza Lima, Fabíola Duarte Machado dos Santos, Mônica Diuana Calasans Maia, Carlos Fernando Mourão, Carolina Nascimento Spiegel, Gutemberg Gomes Alves, Presenters: Neilane Rodrigues Santiago Rocha,
17:10 - 19:10	(1154960) DEVELOPMENT OF A TRIPLE PLATFORM FOR CONTROLLED DRUG RELEASE Marcelo Augusto Brito Madureira, Presenters: Marcelo Augusto Brito Madureira,
17:10 - 19:10	(1146613) Development of Acrylamide Gel for Drug Incorporation in Biological Applications Camila Nogueira da Silva Batista, Presenters: Camila Nogueira da Silva Batista,
17:10 - 19:10	(1133616) DRUG DELIVERY OF DOXORUBICIN ON HYDROXYAPATITE/GELATIN-BASED PHOTOPOLYMERIZED SCAFFOLDS USING IRGACURE 2959 Bruno Bertoluzzi Bellini, Roger Borges, Giulia Santana de Mello, Felipe Barros De Andrade Silva, Maira Smaniotto Cuciolo, Eduardo Sziakszay, Presenters: Bruno Bertoluzzi Bellini,
17:10 - 19:10	(1146386) EVALUATION OF THE POTENTIAL OF NANOSTRUCTURED CALCIUM PHOSPHATE BIOMATERIAL AS A CARRIER FOR DOXORUBICIN IN THE TREATMENT OF OSTEOSARCOMA Joice Correa Da Silva, Jéssica Dornelas da Silva, Alexandre Malta Rossi, Gutemberg Alves, Presenters: Joice Correa Da Silva,
17:10 - 19:10	(1143923) GAMMA-IRRADIATED ALBUMIN NANOPARTICLES AS A CONTROLLED DELIVERY SYSTEM FOR MELATONIN Cássia Priscila Cunha da Cruz, Murilo Állison Vigilato Rodrigues, Ademar Benévolo Lugão, Presenters: Cássia Priscila Cunha da Cruz,
17:10 - 19:10	(1134212) HYDROXYAPATITE/GELATIN-BASED SCAFFOLDS COUPLED WITH CARBOPLATIN DELIVERY FOR BONE CANCER APPLICATIONS Felipe Barros De Andrade Silva, Bruno Bertoluzzi Bellini, Giulia Santana de Mello, Eduardo Sziakszay, Roger Borges, Maira Smaniotto Cuciolo, Presenters: Felipe Barros De Andrade Silva,
17:10 - 19:10	(1143984) IN VITRO EVALUATION OF CARBONATED HYDROXYAPATITE NANOPARTICLES AS VANCOMYCIN CARRIERS

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	Suzana dos Anjos Mota Pimenta, Presenters: Suzana dos Anjos Mota Pimenta,
17:10 - 19:10	(1135164) Injectable system containing zoledronic acid and Ho-bioactive glasses: cancer treatment by brachytherapy beyond bone regeneration Roger Borges, Telma Zambanini, Agatha M Pelosine, Desconhecido2959, Ana Carolina Santos de Souza Galvão, Joel Machado Jr, Jose Fabian Schneider, Daniele R. de Araujo, Juliana Marchi, Presenters: Juliana Marchi,
17:10 - 19:10	(1207594) POROUS COMPOSITE BASED ON STARCH AND CELLULOSE NANOFIBRILS CONTAINING ONCOA-LOADED SILICA NANOSPHERES FOR CONTROLLED LOCAL RELEASE Francisco Alessandro Marinho Rodrigues, Nágila Maria Pontes Silva Ricardo, Francisco Marlon Fontenele Lemos, Otilia Deusdenia Loiola Pessoa, Cláudia do Ó Pessoa, Francisco Ernani Alves Magalhães, Denise Ramos Moreira, Presenters: Nágila Maria Pontes Silva Ricardo,
17:10 - 19:10	(1134161) SCAFFOLD FOR BONE REPAIR AND LOCALIZED CHEMOTHERAPY USING CARBOPLATIN-LOADED ALGINATE-CHITOSAN/BIOACTIVE GLASS Luana Horn Metz, Isabelle Yadoya Chakur, José Guilherme Teixeira Salama, João Paulo Girão Hawthorne, Roger Borges, Maira Smaniotto Cuciolo, Presenters: Luana Horn Metz,
17:10 - 19:10	(1146462) Study of cell effects, release and adsorption of doxycycline by carbonated hydroxyapatite microspheres Victor Hugo de Souza Lima, Gutemberg Alves, Presenters: Victor Hugo de Souza Lima,
17:10 - 19:10	(1143792) Swelling capacity of Nanocurcumin Encapsulated Hydrogel Dressings for Skin Wounds Lucas Dallmann Almeida, Duclerc Fernandes Parra, Presenters: Lucas Dallmann Almeida,
17:10 - 19:10	(1101370) Development of a Novel Bioink for 3D Bioprinting Functionalized with Autologous Growth Factors Ericles Pacheco Costa, Thiago Matos Custodio Rodrigues, Tathiana Proença Pampolha, Mair Machado Medeiros De Oliveira, Simone Nunes de Carvalho, Leandra Santos Baptista, Rossana Mara da Silva Moreira Thiré, Karina Ribeiro da Silva Pereira, Ronaldo José Farias Corrêa do Amaral, Presenters: Ronaldo José Farias Corrêa do Amaral,
17:10 - 19:10	(1133253) Development of a Silver Nanoparticle-Doxorubicin Conjugate as a Potential Antitumor Agent Diego Wiechers, Diniz Luiz Portugal de Sousa, Ana Júlia Ferreira Fagundes, Michelle Lopes de Oliveira, Celso Sant'Anna, Presenters: Diego Wiechers,
17:10 - 19:10	(1176613) EFFECT OF TIME ON COPPER INCORPORATION IN MAO/PEO COATINGS ON Ti-30Nb-5Mo ALLOY Carlos Roberto Grandini, Giovana Collombaro Cardoso, Presenters: Carlos Roberto Grandini,
17:10 - 19:10	(1176595) ENHANCEMENT OF BIOACTIVITY AND CORROSION RESISTANCE BY RAPID POLYDOPAMINE FUNCTIONALIZATION OF Ti6Al4V SURFACES Adones Almeida Rocha, Claudio Teodoro dos Santos, P. Jardim, Rossana Mara da Silva Moreira Thiré, Vinícius Oliveira Dos Santos, Presenters: Adones Almeida Rocha,
17:10 - 19:10	(1146455) Evaluation of antimicrobial activity on fragments of bovine skin decellularized extracellular matrix functionalized with chitosan and silver nanoparticles Vinícius Viana, Wellington Luís Oliveira de Souza Filho, Amanda Cavalcanti, Ana Paula Madureira,

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	Igor José Boggione Santos, JOSE CARLOS DE MAGALHAES, Daniela Leite Fabrino, Presenters: Vinícius Viana,
17:10 - 19:10	(1117216) FUNCTIONALIZATION OF Ti-7.5MO ALLOY SURFACE WITH STRONTIUM USING MICRO ARC OXIDATION Ana Lúcia do Amaral Escada, Presenters: Ana Lúcia do Amaral Escada,
17:10 - 19:10	(1146261) Functionalization of titanium surface via plasma electrolytic oxidation with tantalum oxide for biocompatibility enhancement Pedro P. G. Morais, Eduardo Guy Perpétuo Bock, Natallie Zilio de Souza Teixeira, Nilson Cristino da Cruz, Presenters: Pedro P. G. Morais,
17:10 - 19:10	(1122674) GREEN SYNTHESIS OF COPPER NANOPARTICLES WITH SILK PROTEINS: EFFECTS OF SYNTHESIS PARAMETERS ON THEIR PROPERTIES VALENTÍN HERRERA VÁSQUEZ, Claudia Patricia Ossa Orozco, Laura Sofia Osorio Velez, Presenters: VALENTÍN HERRERA VÁSQUEZ,
17:10 - 19:10	(1128283) MICROWAVE-ASSISTED PRODUCTION OF CARBON QUANTUM DOTS FOR ANTIBODY ANCHORING WITH POTENTIAL FOR EARLY ONCOLOGICAL DIAGNOSTIC SYSTEMS Antônio De Assis Pereira Teles da Silva, Marla Karolyne dos Santos Horta, Priscilla Finotelli, Carolina Branquinho, Marcel Guimarães Martins, Presenters: Antônio De Assis Pereira Teles da Silva,
17:10 - 19:10	(1146217) Optimized Tannin Extraction from Açaí (Euterpe oleracea) Seeds: Characterization of Polyphenols and Flavonoids for Functionalized Antioxidant Biomaterials Jéssica Lyssa Araújo, Sara Raissa Lobato Ferreira, Camilla Mariane Moura de Souza, Nilton Akio Muto, Presenters: Jéssica Lyssa Araújo,
17:10 - 19:10	(1118298) SURFACE PLASMAPHOBIC OBTAINED WITH DIAMOND-LIKE-CARBON COATING FOR CENTRIFUGAL BLOOD PUMP Rosa Correa Leoncio De Sá, Desconhecido721, Aron José Pazin de Andrade, Evaldo José Corat, João Roberto Moro, Eduardo Guy Perpétuo Bock, V.J. Trava-Airoldi, Presenters: Rosa Correa Leoncio De Sá,
17:10 - 19:10	(1133330) Synthesis of Graphene Oxide-Silver Nanoparticle Composites for Biomedical Applications Diego Wiechers, Ana Júlia Ferreira Fagundes, Diniz Luiz Portugal de Sousa, Celso Sant'Anna, Joyce Araújo, Jéssica Menezes Luzardo, Presenters: Diego Wiechers,
17:10 - 19:10	(1178258) ULTRASSONIC PHOSPHATE BOND: SELF ASSEMBLED BIOACTIVE GLASS SCAFFOL Joao Henrique Lopes, Luis Felipe Moreira Oliveira, Presenters: Joao Henrique Lopes,
17:10 - 19:10	(1176137) Wound Treatment Options for Animal Husbandry Procedures Julian Hovenden, Penny Martens, Presenters: Julian Hovenden,
17:10 - 19:10	(1117864) GUT-ON-CHIP: INTESTINAL MUCOSAL BARRIER MODEL IN MICROFLUIDIC DEVICE AS A POTENTIAL TOOL FOR ABSORPTION MODEL Jhonatan Rafael de Oliveira Bianchi, Viviane Lucia Beraldo de Araújo, Gabriela Gomes, Hernandes Faustino de Carvalho, Prof. Dra. Lucimara Gaziola de la Torre, Presenters: Jhonatan Rafael de Oliveira Bianchi,

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17:10 - 19:10	(1146109) ETHICAL AND REGULATORY ASPECTS IN THE USE OF ORTHOPEDIC IMPLANTS IN VETERINARY MEDICINE: A LITERATURE REVIEW Otávio Pfeifer Forest, Vinicius Dallabrida Bitencourte, Presenters: Otávio Pfeifer Forest,
17:10 - 19:10	(1146326) A MODIFIED FUNCTIONALLY GRADIENT SURFACE TO INCREASE THE HARDNESS OF Ti6Al4V Nathanael Seay, L. D. Timmie Topoleski, Presenters: L. D. Timmie Topoleski,
17:10 - 19:10	(1115554) BIODEGRADABLE POLYMERIC MEMBRANES FOR PERIODONTAL GUIDED TISSUE REGENERATION Iryna Grafova, Marcos Lopes Dias, Alexandre Malta Rossi, Presenters: Iryna Grafova,
17:10 - 19:10	(1098708) Effects Of Anodization and Thermal Treatment on the Formation of Nanotubes, Bioactivity, and Corrosion Resistance of Ti6Al4V Surfaces Bruno Zattera Guimarães, Vinícius Oliveira Dos Santos, P. Jardim, Rossana Mara da Silva Moreira Thiré, MAURICIO DE JESUS MONTEIRO, Claudio Teodoro dos Santos, Presenters: Bruno Zattera Guimarães,
17:10 - 19:10	(1122549) ENHANCED WEAR AND CORROSION RESISTANCE OF SILVER NANOPARTICLE-DOPED PEO-POLYMER HYBRID COATINGS ON TITANIUM Felipe Costa Damasio Carone, Paulo Cesar Soares Junior, Presenters: Felipe Costa Damasio Carone,
17:10 - 19:10	(1145516) Fast-curing biocomposites for application in cranioplasty Matheus Alves Coelho, Marcos Lopes Dias, Alexandre Malta Rossi, Presenters: Matheus Alves Coelho,
17:10 - 19:10	(1176590) Study of apatite precipitation in calcium titanate coatings on titanium substrates Gerson Santos de Almeida, Julia Bucci, Margarida Juri Saeki, Maria Gabriela Jacheto Carra, Presenters: Gerson Santos de Almeida,
17:10 - 19:10	(1099043) ANALYSIS OF BIOHEAT TRANSFER IN SKIN TISSUE LAYERS TO ASSESS THE PRESENCE AND SIZE OF SKIN TUMORS João Victor Curcio Ramos, Raquel Jahara Lobosco, Guilherme Barbosa Lopes Junior, Presenters: João Victor Curcio Ramos,
17:10 - 19:10	(1176545) Analysis of Rotor Thickness Influence in Centrifugal Blood Pumps: A Computational Hemodynamic Study Adriano Duarte da Silva, Flávio Augusto Bueno Figueiredo, Guilherme Barbosa Lopes Junior, LUCAS MONTEIRO DE GOIS BARBOSA, Presenters: Adriano Duarte da Silva,
17:10 - 19:10	(1176126) ANALYSIS OF THE INFLUENCE OF THE NUMBER OF BLADES IN CENTRIFUGAL BLOOD PUMPS: A COMPUTATIONAL HEMODYNAMIC ANALYSIS Adriano Duarte da Silva, Flávio Augusto Bueno Figueiredo, Guilherme Barbosa Lopes Junior, GUILHERME MOTTA WATSON DE OLIVEIRA, LUCAS MONTEIRO DE GOIS BARBOSA, Presenters: Adriano Duarte da Silva,
17:10 - 19:10	(1176188) COMPUTATIONAL HEMODYNAMIC ANALYSIS FOR COMPARING VISCOUS MODELS IN CENTRIFUGAL BLOOD PUMPS Adriano Duarte da Silva, Flávio Augusto Bueno Figueiredo, Guilherme Barbosa Lopes Junior, GUILHERME MOTTA WATSON DE OLIVEIRA, LUCAS MONTEIRO DE GOIS BARBOSA, Presenters: Adriano Duarte da Silva,
17:10 - 19:10	(1176565) Hemolysis Model Analyses and Discussion Applied to a Centrifugal Blood Pump

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	Eduardo Guy Perpétuo Bock, Flávio Augusto Bueno Figueiredo, Guilherme Barbosa Lopes Junior, Luben Cabezas Gómez, Raquel Jahara Lobosco, Presenters: Eduardo Guy Perpétuo Bock,
17:10 - 19:10	(1176619) INVESTIGATION OF THE CAVITATION PHENOMENON IN AN AXIAL BLOOD PUMP WITH A DUAL-BLADE ROTOR AND ANGLED DIFFUSER Bruno Humberto de Almeida Silva, Flávio Augusto Bueno Figueiredo, Guilherme Barbosa Lopes Junior, GUILHERME MOTTA WATSON DE OLIVEIRA, Thereza Cristina Saraiva Leandro, Vitor Ferreira Diu Rocha, Presenters: Bruno Humberto de Almeida Silva,
17:10 - 19:10	(1176646) STUDY OF THE INFLUENCE OF ROTOR BLADE IN A DOUBLE ROTOR AXIAL VENTRICULAR ASSIST DEVICE (VAD) AXR-III-REVA Flávio Augusto Bueno Figueiredo, Gabriel Lúcio, Guilherme Barbosa Lopes Junior, GUILHERME MOTTA WATSON DE OLIVEIRA, Thereza Cristina Saraiva Leandro, Vitor Ferreira Diu Rocha, Presenters: Thereza Cristina Saraiva Leandro,
17:10 - 19:10	(1115167) Advancing Chemical Safety Assessment with a Human-Based Cytotoxicity Model Lorena de Oliveira Neves, Leonardo C Boldrini, Dra. Luciene Bottentuit Balottin - Inmetro, Presenters: Lorena de Oliveira Neves,
17:10 - 19:10	(1176657) CELLULAR RESPONSES TO INFLAMMATORY STIMULI IN 2D AND 3D CULTURES: EFFECTS OF HYALURONIC ACID FELIPE SILVA DOS SANTOS, Lucas Rego Ramos, Carolina Sanz, Ronaldo José Farias Corrêa do Amaral, MARCOS FABIO HENRIQUES DOS SANTOS, Presenters: FELIPE SILVA DOS SANTOS,
17:10 - 19:10	(1097878) CHARACTERIZATION OF 3D CULTURE OF RAT MESENCHYMAL STEM CELLS FOR APPLICATION IN AN AUTOLOGOUS BONE REGENERATION MODEL Larissa Fontes Miranda, Aline Pimentel, Leandra Santos Baptista, Presenters: Larissa Fontes Miranda,
17:10 - 19:10	(1130338) Implementation of Advanced In Vitro Models and Microfluidic Systems for Toxicological Research by 3DBS in Brazil Tábata Renée Doratioto, Camila Yamashita, Wiliam jose da Silva de Oliveira, Gabriela Gomes Cardoso Gastaldi, PEDRO MASSAGUER, Ana Luiza Millás, Presenters: Tábata Renée Doratioto,
17:10 - 19:10	(1176573) MICROFLUIDIC DEVICE TO EVALUATE ENDOTHELIAL CELL MIGRATION IN THE PRESENCE OF OSTEOGENIC STEM CELL SPHEROIDS Ana Lopes Ribeiro, Katiucia BS Paiva, Icaro Paschoal Brito Ribeiro, José Mauro Granjeiro, Presenters: Ana Lopes Ribeiro,
17:10 - 19:10	(1176073) Spheroid Bioassembly for a cartilage/bone interface model construction Isabelle Ximenes Matos Diederichs, Leandra Santos Baptista, Taisnara Silva, Presenters: Isabelle Ximenes Matos Diederichs,
17:10 - 19:10	(1099141) SPHEROID CELL CULTURE SYSTEM AS AN ALTERNATIVE PRECLINICAL MODEL TO THE USE OF ANIMALS: APPLICATION IN THE RPT11M ANTI-TUMORAL ASSAY PLATFORM Ana Paula Gregório Alves Fontão, Andre Luiz Franco Sampaio, WANISE BORGES GOUVEA BARROSO, Presenters: Ana Paula Gregório Alves Fontão,
17:10 - 19:10	(1098805) Spheroid Co-culture of Adipose-Derived Mesenchymal Stem Cells and Endothelial Cells for Bone Tissue Engineering Taisnara Ingrid Gonçalves Silva, Isabelle Ximenes Matos Diederichs, Leandra Santos Baptista, Presenters: Taisnara Ingrid Gonçalves Silva,

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17:10 - 19:10	(1176119) SPHEROIDS OF RAT ADIPOSE TISSUE-DERIVED STEM CELLS FOR BONE REGENERATION: IN VIVO EVALUATION IN AN AUTOLOGOUS MODEL Aline Pimentel, Leandra Baptista, Presenters: Aline Pimentel,
17:10 - 19:10	(1098929) STANDARDIZATION OF 3D STEM/PROGENITOR CELL SPHEROID CULTURE: MORPHOFUNCTIONAL CHARACTERIZATION FOR PRECLINICAL APPLICATIONS Brennda Maria Fonseca Alexandre, Débora dos Santos Ornellas, Nathalia Brito Veloso Brazão, Erika Cortez, Alessandra Thole, Simone Nunes de Carvalho, Karina Ribeiro da Silva Pereira, Presenters: Brennda Maria Fonseca Alexandre,
17:10 - 19:10	(1134170) STANDARDIZATION OF HEPATIC SPHEROIDS PRODUCTION FOR APPLICATION IN VITRO TOXICITY SCREENING TESTS Cecilia Rodrigues da Costa Xavier, Marjorie Dardis Murucci, Bárbara Gomes, Leonardo C Boldrini, Presenters: Cecilia Rodrigues da Costa Xavier,
17:10 - 19:10	(1134314) CAD/CAM TECHNOLOGY IN THE COUPLING OF PROSTHESES FOR LOWER LIMBS Anna Beatriz Morais De Almeida, Bianca Gonçalves André, Thamires Braga, Presenters: Bianca Gonçalves André,
17:10 - 19:10	(1118811) Chitosan/active pharmaceutical ingredient (API) scaffolds for controlled release of psilocybin for therapeutic use Taynah Pereira Galdino, Presenters: Taynah Pereira Galdino,
17:10 - 19:10	(1134471) Optimization of Polymeric Nanocapsules loaded with Breu Branco Essential Oil for Potential Use as a Drug Delivery System Débora Freitas Silva, Francisco Humberto Xavier Júnior, Emmanuel A. Ho, Marcele Fonseca Passos, Presenters: Marcele Fonseca Passos,
17:10 - 19:10	(1176549) Poly(lactic-co-glycolic acid (PLGA) particles containing tamoxifen for skin regeneration Alessandra Madril, Natasha Maurmann, Patricia Pranke, THALLYSON PEDRO MEDEIROS GODOI, Presenters: Alessandra Madril,
17:10 - 19:10	(1146128) Electrospun membrane of PVA/sodium alginate with graphene-silver nanocomposite dropped with antimicrobial activity for wound healing. Thamyres Freire da Silva, Ana Lorena de Brito Soares, Francisco Fábio Pereira de Souza, Fábila Karine Andrade, Rodrigo Silveira Vieira, Presenters: Thamyres Freire da Silva,
17:10 - 19:10	(1124903) Enhanced Bone Healing with Biosilica-Curcumin Scaffolds Crosslinked with Ca²⁺ and Sr²⁺ Marcelo de Assis, Karolyne dos Santos Jorge Sousa, Amanda de Souza, Diana Gabriela Nina Nina, Mirian Bonifacio, Renata Neves Granito, Anna Rafaela Cavalcante Braga, Ana Claudia Muniz Rennó, Presenters: Karolyne dos Santos Jorge Sousa,
17:10 - 19:10	(1146421) Evolution of Ventricular Assist Device Research and Development in a Cardiovascular Engineering Center in Latin America Carlos Junior Toshiyuki Karigyo, Jeison Willian Gomes da Fonseca, Gustavo Caravita de Andrade, Aron José Pazin de Andrade, Presenters: Aron José Pazin de Andrade,
17:10 - 19:10	(1134899) In Vitro Evaluation of a New Centrifugal Blood Pump Working under Different Grades of Heart Failure in a Hybrid Cardiovascular Simulator Carlos Junior Toshiyuki Karigyo, Jeison Willian Gomes da Fonseca, Aron José Pazin de Andrade, Presenters: Aron José Pazin de Andrade,

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17:10 - 19:10	(1118628) GelMA-Based Hydrogel for Brain Microvasculature Construction Gabriela Gomes, Marcio Henrique Melo da Luz, Rodolpho Fagundes Correa, Victor Marchiori de Souza, Profa. Dra. Marimelia Porcionatto, Ângela Maria Moraes, Prof. Dra. Lucimara Gaziola de la Torre, Presenters: Gabriela Gomes,
17:10 - 19:10	(1145410) Influence of Spike Protein on Cell Morphology and Adhesion in a Neuronal Model Erick José Nogueira de Andrade, Luiza Giraldi, Geisa Nogueira Salles, CRISTINA Pacheco SOARES, Presenters: Erick José Nogueira de Andrade,
17:10 - 19:10	(1145125) Modeling Neurodegeneration in 3D: A Spheroid-Based Approach to Alzheimer's Disease Luiza Giraldi, Geisa R Salles, CRISTINA Pacheco SOARES, Presenters: Luiza Giraldi,