

Advances in Bioceramics Symposium
7th International Congress on Ceramics, ICC7

Final Program

Monday 18th (8:30-10:30 am)	Bioactive glasses and glass ceramics: Structure, processing and properties
Monday 18th (10:50-11:50 am)	Characterization of bioceramics (Part 1)
Monday 18th (14:30-16:00 pm)	Bioceramics based composites
Monday 18th (16:30-17:30 pm)	Nanobioceramics
Tuesday 19th (9:20-10:30 am)	Applications
Tuesday 19th (10:50-11:50 am)	Characterization of bioceramics (Part 2)

Monday 18th (8:30-10:30 am)

Bioactive glasses and glass ceramics: Structure, processing and properties

8:30-8:50	Opening section			
8:50-9:20	invited	02-070	Ilaria Cacciotti	Novel bioactive ceramic and glass-ceramic compositions for bone regeneration
9:20-9:40	oral	02-092	Juliana Marchi	Influence of Na₂O/CaO ratio on the dissolution kinetics of biocompatible glasses
9:40-10:10	invited	02-096	Edgar Dutra Zanotto	Biosilicate, a highly bioactive glass-ceramic; F18, a new bioactive crystallization resistant glass
10:10-10:30	oral	02-028	Francesco Baino	3D printing of bioactive glass scaffolds with porosity gradient for bone tissue engineering

Monday 18th (10:50-11:50 am)

Characterization of bioceramics (Part 1)

10:50-11:10	oral	02-006	Christel Gervais	Probing local environments in calcium pyrophosphate-based glasses for bone regeneration combining advanced characterization methods and computational modelling
11:10-11:30	oral	02-052	Ellen Lopes Alves	Characterization of thin films of Ag-doped TiO₂ with antimicrobial properties for use in orthodontic products
11:30-11:50	oral	02-017	Francesco Baino	Fabrication and characterization of porous glass-ceramics as novel orbital implant materials

Monday 18th (14:30-16:00 pm)

Bioceramics based composites

14:30-14:50	oral	02-023	Sergio Akinobu Yoshioka	Novel process of non-sintered HAp/SF biocomposite for bone regeneration
14:50-15:10	oral	02-024	Gabriel Augusto Alemão Monteiro	Hydrogel Grafted on Boron Nitride Nanotubes: Preparation, Characterization and Potential Use as Drug Delivery System Tests
15:10-15:30	oral	02-091	Roger Borges	Synthesis and characterization of a nanocomposite based on bioactive glasses containing superparamagnetic iron oxide nanoparticles aiming bone tumor treatment
15:30-16:00	invited	02-036	Carmen Baudin	Bioactive ceramics based on CaMg(SiO ₃) ₂

Monday 18th (16:30-17:30)

Nanobioceramics

16:30-17:00	invited	02-060	Thomas J Webster	Two Decades of Commercializing Bioceramic Nanotechnology for Improved Medical Devices
17:00-17:30	invited	02-058	Roger J Narayan	Microstructured and Nanostructured Diamond for Medical Applications

Tuesday 19th (9:20-10:30)

Applications

9:20-9:40	oral	02-034	Sonia Fiorilli	Novel zwitterionic mesoporous bioactive glasses as powerful devices for bone regeneration
9:40-10:00	oral	09-094	Esmeralda Villicaña Molina	Characterization and evaluation of the bioactive potential in cel2 bioactive glass-ceramic porous scaffolds loaded with chitosan microspheres
10:00-10:30	invited	02-016	Francesco Baino	Bioactive glasses for tissue engineering: where are we and where are we going?

Tuesday 19th (10:50-11:50)

Characterization of bioceramics (Part 2)

10:50-11:10	oral	02-075	María Eugenia Contreras-García	Evaluation of Cerium-doped TiO ₂ nanoparticles as anticancer release systems
11:10-11:40	invited	02-056	Thierry Azais	Solid state NMR characterization of disordered mineral domains in biological mineralized tissues
11:40-11:50	Closing section			