

15:00 PLENARY SESSION

15:45-16:00 Welcome

16:00-16:15 YCN

16:15-16:45 Keynote: Recent advances in the processing of bioceramic scaffolds

16:45-17:15 Keynote: Calcium phosphate bioceramics: current advances and issues by 3D printing

17:15-17:30 Vidrios/vitroceramicas viricidas y bactericidas pertinentes al sistema SiO₂-Al₂O₃-B₂O₃-Na₂O-CaO

17:30-17:45 Durabilidad de cerámicas de silicato de litio reforzado con zirconia y disilicato de litio para aplicaciones dentales

17:45-18:00 Impresión 3D de materiales cerámicos de alúmina y zirconia a partir de suspensiones coloidales

18:00-18:30 *Coffee and exhibition*

18:30-18:45 Influence of temperature during the preparation of Iron-hydroxyapatite powders by hydrothermal method

18:45-19:00 New drug delivery and ion delivery systems based on ceramic biocomposites

19:00-19:15 Ceramic-based 3D scaffolds for biomedical application by FFF using a colloidal feedstock

21:30 *Gala dinner at the Intercontinental Hotel*

MAY 6TH

9:30-10:00 Keynote: Bioactive glasses and glass-ceramics releasing multiple biologically active ions for regenerative medicine

10:00-10:15 Impact of mixed alkali effect on thermal properties and in vitro dissolution of bioactive glasses

10:15-10:30 Biological effects of ionic dissolution products of bioactive glasses for bone regeneration

10:30-10:45 Impact of fluid flow rate on the dissolution behaviour of bioactive glass S53P4

10:45-11:00 Swine dental pulp stem cells seeded in strontium folate loaded biohybrid scaffolds for alveolar defect regeneration. A preclinical study

11:00-11:15 Influence of nanosecond laser surface patterning of dental 3Y-TZP: effects on the topography, hydrothermal, degradation and cell response

11:15-11:45 *Coffee and exhibition*

11:45-11:55 Bioceramics WG

11:55-12:25 Keynote: New trends in zirconia development for dental applications

12:25-12:40 Elaboration of dental crowns by indirect additive manufacturing combining stereolithography and gel casting

12:40-12:55 Masked stereolithography (mLSA) 3D printing of hydroxyapatite bio-ceramic scaffolds from tailored photoreactive suspensions

12:55-13:10 Blister Actuated Laser Induce Forward Transfer (BA-LIFT) for cell bioprinting

13:10-13:30 Fire poster session

13:30-15:00 *Lunch and exhibition*

15:00-15:15 Complex wounds: the promise of apatite/peptide hybrid particles

15:15-15:30 Toward smart biometric apatite-based materials with antibacterial properties

15:30-15:45 Calcium phosphates production approaches and technical feasibility

15:45-16:00 *PCL/Si-doped multi-phase calcium phosphates scaffolds derived from cuttlefish bone*

16:00-16:15 *Closing ceremony*

MAY 5TH

PROGRAMME

Y-CGMed

MADRID 5-6 may

II Workshop for Young Researchers in
Ceramics and Glasses for Medical Applications

