

CIBAMA

1º WORKSHOPonline
Latinoamericano
en Nanobiotechnología
Aplicaciones en Agricultura, Medicina
e Industria Textil



2 - 3 DICIEMBRE 2020
transmitido por YouTube

PROGRAMA DE ACTIVIDADES / ACTIVITY PROGRAM

2 de diciembre / 2nd December

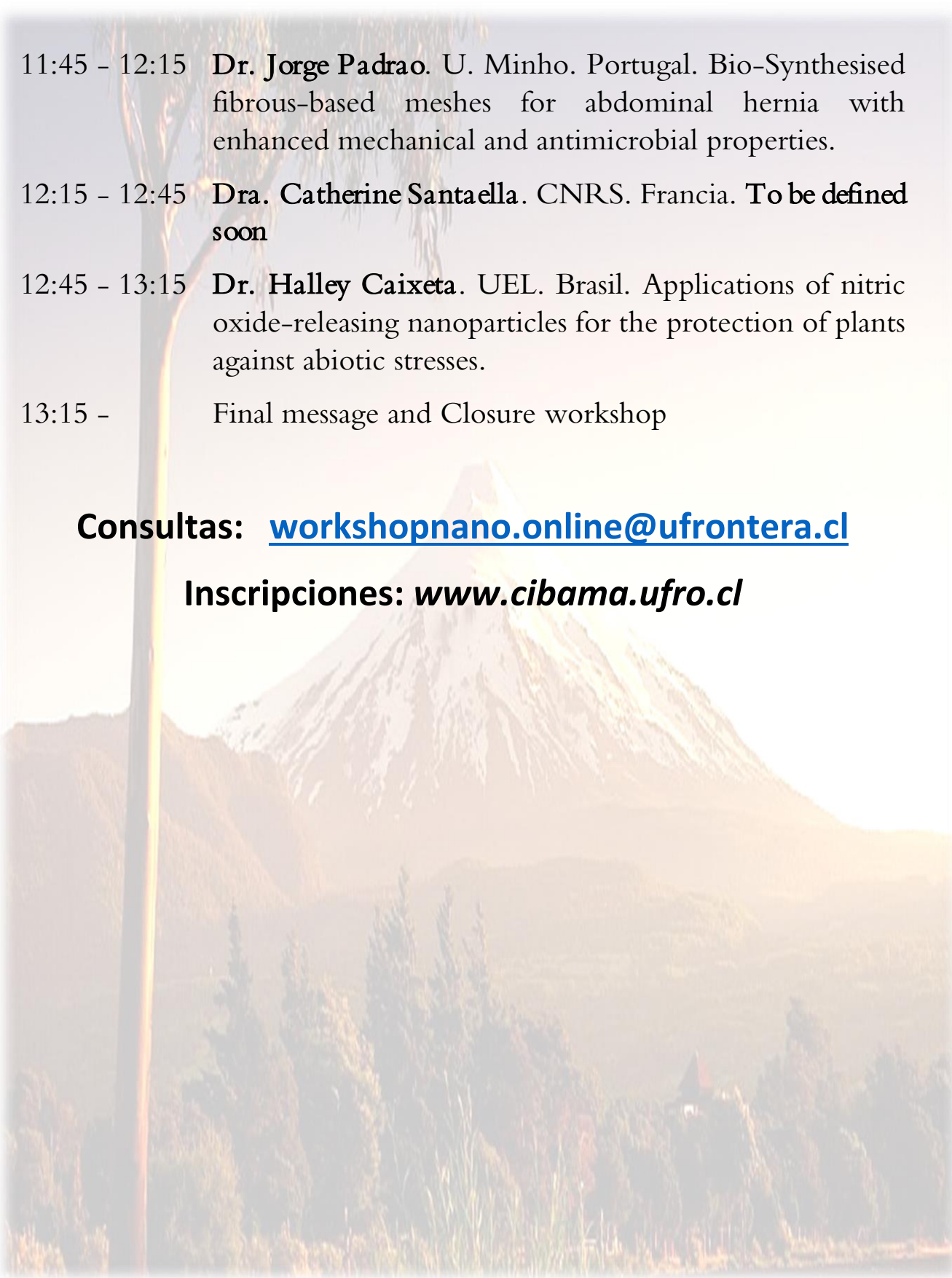
Horario / Schedule

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| 9:00 - 9:10 | Palabras de Bienvenida / Welcome Message |
| 9:10 - 9:40 | Dr. Nelson Durán C. UNICAP-Brasil. Lectura inaugural / Inaugural lecture. NANOMEDICINE: Human Phase 1/2 Clinical Trial of Nano-Immunotherapy (OncoTherad) in Bladder Cancer. |
| 9:40 - 10:10 | Dr. Leonardo Fernandes Fraceto -UNESP-Brasil. Nanopesticides and sustainable agriculture: from advances to needs. |
| 10:10 - 10:25 | Constanza Flores. CEMET-Argentina. Diseño de nanopartículas bioHíbridadas mediante radiaciones ionizantes para aplicaciones biomédicas. |
| 10:25 - 10:40 | Virginia Emilse. UBA-Argentina. Magnetic and polymeric nanomaterials for environmental remediation. |
| 10:40 - 11:00 | Diego Genuário Gomes. UEL-Brasil. Foliar application of bulk and nanoencapsulated copper promote morphophysiological changes in the initial development of wheat. |

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- 11:00 - 11:15 **Joana Pieretti.** UFABC -Brasil. The impact of multiple functional layers in the structure of magnetic nanoparticles and their influence in blood proteins interaction.
- 11:15 - 11:30 **Mariana Fernandes.** UEL-Brasil. Nitric oxide-releasing nanoparticles act synergistically with associative bacteria in improving tree seedlings tolerance to drought.
- 11:30 - 12:00 **Dr. Gerson Nakazato.** UEL - Brasil. Nanoparticles for Antimicrobials in Medicine.
- 12:00 - 12:25 **Carlos Alberto Garza.** UAAAN -México. Seed priming with ZnO nanoparticles increases the germination and growth of *Moringa oleifera*.
- 12:25 - 12:40 **Bruno Teixeira.** UEL-Brasil. Efficiency of nanoatrazine in the post-emergent weed control.
- 12:40 - 12:55 **Dra. M Cristina Diez.** UFRO-Chile. Nanotecnología y su aplicación al tratamiento de plaguicidas.
- 12:55 - 13:10 **Isabella Martins.** UFABC- Brasil. Iron oxide nanoparticles coated with chitosan containing ascorbic acid for biomedical applications: synthesis, characterization and toxicity.
- 13:10 - 13:40 **Dr. Martín Fernández Baldo.** USL-Argentina. Síntesis y caracterización de nanomateriales como plataformas de inmovilización de biomoléculas en el desarrollo de biosensores. Aplicaciones.
- 13:40 - 13:55 **Dra. Amedea Seabra y Dra Marcella Milazzotto.** UFABC. Brasil.
- 13:55 - Closure message

3 de Diciembre / 3rd December

- 9:00 - 9:30 **Dr. Andrea Zille.** U. Minho-Portugal. Deposition of silver nanocomposite on textiles for controllable antibacterial activity using atmospheric pressure dielectric barrier discharge (DBD).
- 9:30 - 10:00 **Dr. Alejandro Pérez-de-Luque.** IFAPA-España. The HYPATIA project: From the synchrotron to the field.
- 10:00 - 10:15 **Helena P. Felgueiras.** U. Minho-Portugal. Biodegradable, wet spun engineered delivery vehicles of naturally occurring, active biomolecules for the eradication of Gram-positive and Gram-negative bacterial derived infections.
- 10:15 - 10:30 **Débora Carina Gonçalves.** U. Minho-Portugal. Peptide-mediated targeted delivery system towards triple negative breast cancer treatment
- 10:30 - 10:45 **Luis Almeida.** U. Minho -Portugal. Risk Management of Nanomaterials: case study in the textile industry
- 10:45 - 11:00 **Diana Andrade de Sousa.** U.Minho. Portugal. Targeting oncogenic microRNAs in Triple Negative Breast Cancer using a CRISPR/Cas9-based approach
- 11:15 - 11:30 **María Georgina Sande.** U. Minho. Portugal. Collagen-coated magnetic nanoparticles to capture pathogens from biological samples
- 11:30 - 11:45 **André Sampaio Ferreira.** UEL. Brasil. Effects of nitric oxide donor and gibberellic acid loaded chitosan nanoparticles on maize germination performance under thermal stress.

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- 11:45 - 12:15 **Dr. Jorge Padrao.** U. Minho. Portugal. Bio-Synthesised fibrous-based meshes for abdominal hernia with enhanced mechanical and antimicrobial properties.
- 12:15 - 12:45 **Dra. Catherine Santaella.** CNRS. Francia. **To be defined soon**
- 12:45 - 13:15 **Dr. Halley Caixeta.** UEL. Brasil. Applications of nitric oxide-releasing nanoparticles for the protection of plants against abiotic stresses.
- 13:15 - Final message and Closure workshop

Consultas: workshopnano.online@ufrontera.cl

Inscripciones: www.cibama.ufro.cl