



ISP ONLINE INTERIM MEETING April 26-28th 2021

Monday 26th

10:00 AM (GMT) 12:00 PM Madrid time (GMT+2)

Official Welcome (R. Latorre)

Topic: **Fundamentals (F)** (Moderators: Robert Henry, Dmitry Starchik)

- 10:05-10:30: Lecture:
 - **Fundamentals of Plastination Techniques: Silicone technique** (*Kees de Jong*), **Polyester technique** (*Carlos Baptista*), **Epoxy technique** (*Rafael Latorre*).
- 10:30-12:30: Oral presentations (10´):

F1.- Plastination of a calf head prepared with ethanol-based fixative solution. *Lynda Tamayo-Arango, Universidad de Antioquia, Medellin, Colombia. Grupo de investigación CIBAV.*

F2.- Acetone recycling: Do molecular sieves cause acetone breakdown to acetaldehyde? *Tisher, Corinne E.; Becker, Sarah K.; and Frank, Patrick W. University of Toledo, Toledo, USA.*

F3.- Explosion Prevention in Plastination. *Volker K Schill , BIODUR® Products GmbH , 69126 Heidelberg , Germany.*

F4.- Microchip tags, a useful tool to facilitate the traceability of S10, P40 and E12 samples *Octavio López-Albors, Mariano Orenes-Hernández, José Albarracín, Evelyne Paris-Oller, Mariano Orenes-Martínez, Isabel Belando and Rafael Latorre. Department of Anatomy and Comparative Pathological Anatomy; International Campus of Excellence "Campus Mare Nostrum", University of Murcia, Spain.*

F5.- Aesthetic analysis of paint in plastination. *Fabiola Veloso Menezes¹; Yuri Favalessa Monteiro²; Aureo Banhos dos Santos; Marcos Vinícius Freitas Silva; Renan Pavesi Miranda; José Roberto Kfoury Junior; Athelson Stefanon Bittencourt². ¹ Universidade de São Paulo, São Paulo, ² Universidade Federal do Espírito Santo, Vitória/ES, Brasil.*

F6.- Experiences using Red Muscle Pigment (RMP) on specimens suitable for plastination, wet preservation and drying of lungs. *Concha, Ismael; Henry, R; Iloff, S; Nader, P. Lincoln Memorial University, Harrogate, USA.*

F7.- Why does the acetate foil stick to cured epoxy sandwiched slices? Recommendations to minimize the problem. *Octavio López-Albors, Andrés Moreno, Mariano Orenes-Hernández, José Albarracín, Evelyne Paris-Oller, Mariano Orenes-Martínez, Isabel Belando and Rafael Latorre. Department of Anatomy and Comparative Pathological Anatomy; International Campus of Excellence "Campus Mare Nostrum", University of Murcia, Spain.*

F8.- Implementation of the ISO 9001 quality control system in a plastination laboratory *Evelyne París-Oller¹, Octavio López-Albors¹, Ester Párraga Ros¹, Paz Pérez², Mariano Orenes-Hernández¹, José Albarracín¹, Mariano Orenes-Martínez¹, Isabel Belando¹, Rafael Latorre¹. 1. Department of Anatomy and Comparative Pathological Anatomy; International Campus of Excellence "Campus Mare Nostrum", University of Murcia, Spain. 2. Isotader CEEIM Mod 6 - 3010 Murcia, Spain.*



Tuesday 27th

10:00 AM (GMT) 12:00 PM Madrid time (GMT+2)

Topic: **Education (E)** (Moderators: *Carlos Baptista, Nicolas Ottone*)

- 10:00-10:30: Lecture:
 - **Social media in anatomy instruction: What, how much, to whom?**. *Selcuk Tunali. TOBB University of Economics and Technology Faculty of Medicine, Ankara, TURKEY.*
- 10:30-12:30: Oral presentations (10'):
 - E7.- Collaborative Online Anatomy Education using Head and Neck Plastinations.** *Kumiko Hashida^{1,2}, Kyoko Shirahata^{1,2,3}, Jesse Thompson², Steven Labrash² and Scott Lozanoff².* ¹Department of Anatomy, Biochemistry & Physiology, John A. Burns School of Medicine, University of Hawai'i at Mānoa, Honolulu, HI 96813. ²Department of Kinesiology and Rehabilitation Sciences, University of Hawai'i at Mānoa, Honolulu, HI, 96822. ³Department of Sports Science, Sendai University, Shibata District, Miyagi Prefecture, Japan
 - E1.- Plastination of a sperm whale.** *Wen-Bin Jiang¹, Jian Han², Xue-Wei Ma², Hu Liu², Sheng-Bo Yu¹, Hong-Jin Suj¹.* ¹ Department of Anatomy, Dalian Medical University, Dalian 116044, ² Dalian Hoffen Biotechnology Co., Ltd., Dalian, China 116052.
 - E2.- The production of resin-replica bones and the relevance thereof in Anatomy and in research.** *Wilma Olivier, Lezaan Roux. Department of Anatomy and Physiology, University of Pretoria, Gauteng, South Africa.*
 - E3.- Atlas of Human Body Sections plastinated with E12 technik.** *Dmitry Starchik, Andrey Akopov. North-Western State Medical University, Saint-Petersburg, Russia.*
 - E4.- Forest inhabitants: Exhibition of plastinated wild animals from the Atlantic Forest on the Life Sciences Museum.** *Thiago do Nascimento Ouverney; Fernanda Delpupo; Yuri Favalessa Monteiro; Fabíola Veloso Menezes; Áureo Banhos dos Santos; Ana Paula Santana de Vasconcellos Bittencourt; Athelson Stefanon Bittencourt. Federal University of Espírito Santo – UFES, Vitória, Brasil.*
 - E5.- Digitisation of plastinated anatomical specimens to increase availability of cadaver-quality learning material.** *Taimur Alavi¹, Rafael Latorre², Octavio Albors².* ¹VIN.com & ivalalearn.com, London, Country, ²Department of Anatomy and Comparative Pathological Anatomy; International Campus of Excellence "Campus Mare Nostrum", University of Murcia, Spain.
 - E6.- First sliced and plastinated human body at Latin America: An Pioneering of the Life Effort of the Life Sciences Museum.** *Yuri Favalessa Monteiro; Marcos Vinícius Freitas Silva; Renan Pavesi Miranda; Ana Paula Santana de Vasconcellos Bittencourt; Athelson Stefanon Bittencourt. Federal University of Espírito Santo (UFES), Vitória, Brazil.*
 - E8.- Ensuring Effective Anatomy Teaching during the Pandemic: Use of plastinated specimens as a resource.** *Ameed Raouf Avelin Malyango, Mange Manyama, Charles Msuya, Nasnass Nassir Medical Education Division, Weill Cornell Medicine-Qatar, Qatar Foundation, P.O. Box 24144, Doha, Qatar.*



Wednesday 28th

10:00 AM (GMT) 12:00 PM Madrid time (GMT+2)

Topic: **Research (R)** (Moderators: Kees de Jong, Philip Adds)

- 10:00-10:20: Lecture:
 - **Epoxy plastination and research.** *Ming Zhang. Department of Anatomy, University of Otago, Dunedin, New Zealand*
- 10:20-12:30: Oral presentations (10'):
 - R1.- Ultrasound observation of the lateral femoral cutaneous nerve at the anterior superior iliac spine area .** *Zhaoyang Xu, Ming Zhang. Department of Anatomy, University of Otago, Dunedin, New Zealand.*
 - R2.- Hoffer P45 technique and its application in clinical anatomy.** *Wen-Bin Jiang, Hong-Jin Sui. Department of Anatomy, Dalian Medical University, Dalian, China.*
 - R5.- Plastination applied to the conservation of cultural heritage: study of its reliability on waterlogged ivory.** *Milagros Buendía¹, Octavio Albors², Rafael Latorre². ¹National Museum of Underwater Archaeology, Cartagena, Spain, ²International Campus of Excellence "Campus Mare Nostrum", University of Murcia, Spain.*
 - R6.- A rare opportunity to plastinate and examine the heart of the endangered southern resident killer whale (*Orcinus orca*)** *J.R. Miller², R. Latorre¹, O. Lopez Albors¹, S. Raverty³, P. Cottrell⁴, M.D. Engstrom². ¹University of Murcia, Spain. ²Department of Natural History, Royal Ontario Museum, Toronto, Ontario, Canada. ³Animal Health Center, Ministry of Agriculture, Abbotsford, British Columbia. ⁴Marine Mammal Rescue, Fisheries Management, Fisheries and Oceans Canada, Vancouver, BC, V6C 3S4.*
 - R7.- Plastination of marine invertebrates: A protocol with room temperature and low viscosity silicone.** *Yuri Favalessa Monteiro, Abia Carvalho, Karla Gonçalves da Costa, Marcos Vinícius Freitas Silva, Renan Pavesi Miranda, Athelson Stefanon Bittencourt. Federal University of Espírito Santo, Vitória-ES, Brazil.*
 - R8.- Contributions of the Laboratory of Plastination and Anatomical Techniques, Universidad de La Frontera (Chile) in research and postgraduate training on plastination techniques.** *Nicolas E. Ottone^{1,2,3,5}, Carlos Veuthey¹, Ruth Prieto¹, Mariela Muñoz², Ramon Fuentes^{1,3}, Mariano del Sol^{1,2,5}. ¹Laboratory of Plastination and Anatomical Techniques, Faculty of Dentistry; ²Center of Excellence in Morphological and Surgical Studies, Faculty of Medicine; ³ Research Center for Dental Sciences (CICO), Endodontic Laboratory; ⁴Department of Pediatrics and Child Surgery, Medicine School; ⁵Doctoral Program in Morphological Sciences, Universidad de La Frontera, Temuco, Chile.*
 - R9.- Validation of an S10 protocol for reptile full body plastination.** *Jesús Iván Ortega Cortés¹, Irma Eugenia Candanosa Aranda¹, Alejandra Sánchez Cervantes¹, Rafael Latorre Reviriego², Beatriz Rubio Morales³. ¹National Autonomous University of Mexico, ²University of Murcia, Faculty of Veterinary, Spain, ³National Autonomous University of Mexico, Iztacala Superior Studies Faculty, Herpetology Laboratory.*
- **The Journal of Plastination.** *Philip J Adds, Biomedical Sciences (Anatomy) St George's, University of London*
- Official Closure (R. Latorre)

ISP Council