

Timetable	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
8:15 - 8:55		María del C. Domínguez, PhD (Cuba) Jusvinza, a novel therapeutic product for the control of inflammation associated with autoimmune and systemic inflammatory diseases	Armando Cadiz, PhD (Cuba) Blood derived products in Cuba and challenges ahead	Jared Auclair, PhD (USA) Ensuring product quality through process analytical technologies	Ana Aguilera, PhD (Cuba) New drug delivery system, current status at the Center for Genetic Engineering and Biotechnology	Manuel Raices, PhD (Cuba) Cuba and Michigan comparison in terms of diabetic foot ulcer amputation	Meetings with Sponsors	
9:00 - 9:20		Carlos Martínez, MSc (Cuba) Scale-up fermentation process to obtain the RBD protein from a <i>Pichia pastoris</i> strain	Eduardo Sánchez, MSc (Cuba) Biological characterization and production process consistency of the blood derived product -Transfer Factor	Daniel Velázquez, MSc (Cuba) Real Time Release Testing: challenge for quality assurance in the Cuban biotechnology industry	Iraldo Bello, PhD (Cuba) Challenges in the formulation of Interferons to face a growing market	Eduardo Cabrera, PhD (Cuba) Diabetes risk scale and oral glucose tolerance test for massive identification of people with dysglycemia		
9:25 - 9:45		Yeni de la Torre, MSc (Cuba) Process validation of the active pharmaceutical ingredient of Abdala vaccine	Vladimir Besada, PhD (Cuba) Protein composition by LC-MS-MS of a bovine timus protein extract with potential immunomodulatory activity	Yanelys Álvarez, MSc (Cuba) Validation of chromatographic system cleaning to reduce cross contamination and ensure safety in a multi-product facility	Tammy Boggiano, MSc (Cuba) Development of a new high-concentrated formulation of anti-tumour mabs for subcutaneous administration: anti-EGFR mAb study case	Alexis Musacchio, PhD (Cuba) Recombinant <i>Schedonorus arundinaceus</i> sucrose:sucrose 1-fructosyltransferase. Structure-function relationship		
9:50 - 10:10		Lizet Aldana, MSc (Cuba) Nonclinical safety program of ABDALA. A preventive Cuban vaccine against COVID-19	Gustavo Furrázola, MSc (Cuba) Improvements in the production process of recombinant human gamma-Interferon	Aritz Aguirre, PhD (Spain) Utilities, water systems and the most relevant changes in new Annex I	Ever Pérez, MSc (Cuba) Rising horizon of synthetic peptides in Cuban Biotechnological Industry	Ernesto Urrutia, MSc (Cuba) Purification process for recombinant streptokinase		
10:15 - 10:35		Galina Moya, MSc (Cuba) Abdala subunit vaccine stability under thermal-stress conditions	Natacha Pérez, PhD (Cuba) Challenges for obtaining G-CSF as a biological product	Yair Quiñones, MSc (Cuba) Introduction to new guidelines issued by the European Community related to the responsibilities of marketing authorization holders and the expected ethical behavior of qualified persons in pharmaceutical companies	Yohana Serrano, PhD (Cuba) Aluminium phosphate gel scale up in a 35L reactor as adjuvant of Quimi-vio vaccine against pneumococcus.	Andrea Sosa, PhD (Germany) How to optimize your protein purification - principles and system set up		
10:40 - 11:00		Rafael Ibagollin, MSc (Cuba) Murine monoclonal antibodies against RBD of SARS-CoV-2 spike protein as useful analytical tools for subunit vaccine development and clinical trials	Yenisley Medina, BSc (Cuba) Plantibody purification from <i>Nicotiana glauca</i> seeds using different affinity chromatography matrices	María Tovar, MSc (Spain) Duties and responsibilities of the Qualified Person: relationships between all parties involved in the supply chain	Hector Santana, PhD (Cuba) Pharmaceutical development and characterization of a cytotoxic limulus anti-LPS factor-derived peptide	Maribel Vega, MSc (Cuba) The biopharmaceutical market. Outlook for HeberFERON		
11:05 - 11:25		Milady Limonta, PhD (Cuba) CIGB towards the future after Covid-19 pandemic	Daily Hernández, PhD (Cuba) <i>Bombyx mori</i> as bioreactor, a future attractive alternative for biopharmaceutical industry, cosmetic and medical applications	Rocio González, MSc (Spain) Evaluation of new projects in biomanufacturing contract development manufacturing organization (CDMO) perspective	Andrea Sosa, PhD (Germany) Development and optimization of LNP formulations - using KNAUER's Impingement Jets Mixing (IJM) systems	Tania de la Cruz, MSc (Cuba) Maintaining facilities, equipment and systems in pharmaceutical plants up to international standards during the production cycle: a hard challenge. Sharing experiences		
11:30 - 11:45		Coffee - Break						
11:50 - 12:10	Departure HAV - VAR and Registration	Airela Llamo, ChE (Cuba) Gamma-immunoglobulin response characterization, in COVID-19 convalescent patients, against the spike protein S2-subunit with eight linear peptides for monoclonal antibody generation	Gil Enriquez, PhD (Cuba) Field performance of Cuban soybean expressing the NmDef02 plant Defensin gene for resistance to fungi: approach for the commercial use	Ernesto Chico, PhD (Cuba) Intersection between cancer and mammalian cell culture	Daniela Schiavo, PhD (Germany) How to Felix easily automate your qPCR	Ali Raad Hashem, PhD (Germany) Witeg trade presentation handlig liquid		
12:15 - 12:35		Luis J. González, PhD (Cuba) LC-MS/MS characterization of Soberana-02	Lianet Rodríguez, PhD (Cuba) Loop-mediated isothermal amplification (LAMP) reaction as viable PCR substitute for diagnostic applications in agriculture	Odalys Ruiz, PhD (Cuba) Use of technological platforms to obtain biomolecules and their influence on the value of new investments associated to biopharmaceutical product	Jorge L. Vega, MSc (Cuba) Trends on Biotechnology Industry CIGB, challenges for manufacturing	Yamilia Garriga, PhD (Italy) CPM: Alternatives S.E.E for microbiological control in the pharmaceutical industry		
12:40 - 13:00		Thailin La O, MSc (Cuba) Transient expression in HEK-293 suspension culture and protein free-medium: a powerful tool to produce complex proteins in a shorter time	Nemecio González, MSc (Cuba) Challenges in the development of Gavac® and Porvac® veterinary vaccine production processes	Yaneli Herrera, PhD (Cuba) Technology transfer: Finlay vaccine institute as practitioner	José A Peón, Eng (Cuba) Revolutionizing Biotechnology with AI: a look at present and future applications	Alejandro Rodríguez, PhD (Italy) Single USE SYSTEMS, from A to Z with MDI		
13:05 - 13:25		Tammy Boggiano, MSc (Cuba) Increasing secretion of heterologous glycoproteins: A glance at sodium acetate metabolism of transfected mammalian cells	Eddy Bover, MSc (Cuba) Design of mathematical models for the simulation of discontinuous and continuous cultures with perfusion of HEK293/E2CD cells in the process of obtaining the active pharmaceutical ingredient of the Porvac® vaccine	Peter Gurske, PhD (Germany) High Performance Electrophoresis and Applications	Eduardo Fernández, Eng (Cuba) Role of IoT, AI, and automation in industry 4.0 and their impact on the manufacturing industry	Susanne Frasch, PhD (Germany) Sourcing challenges and how to handle them		
13:30 - 13:50		Franziska Meier-Hättig, PhD (Germany) New generation of 1M NaOH base stable Protein A products for antibody purification	Yusmel Sordo, MSc (Cuba) Porvac® subunit vaccine confers full protection against Cuban field isolates of the Classical Swine Fever Virus	Steffen Meinel, PhD (Germany) Primary packaging - professional manufacturing of high-quality vials and ampoules made of tubular glass	David Goitozolo, Eng (Cuba) Update of bio-printing in the regenerative medicine	Arnaldo Garcia, MSc (Cuba) Biotechnology Industrial CIGB-Mariel: A facility able to provide the scale up of new biological products from R&D scale to production scale		
13:55 - 14:15		Rodolfo Valdés, PhD (Cuba) CB.Hep-1 Mouse Hybridoma Cell Continuous Culture during 100 Days in a Fish-Tail Bioreactor to Project the In Vitro Production Scaling Minimizing Risks	Rebeca Martínez, PhD (Cuba) Impact of Acuabio V®, a novel nutritional supplement: effect on shrimp larvae production	Daniel Cardoso, PhD (India) Biozeen approach for Turnkey facility supply and process integration	Ricardo Serrano, PhD (Germany) CON-IMPEX at the service of the Biotechnology Industry	Conclusions Rodolfo Valdés, PhD (Cuba)		
18:00 - 18:15		Program Presentation Rodolfo Valdés, PhD (Cuba)						
18:20 - 19:20		Key Lecture Jared Auclair, PhD (USA) Understanding biomanufacturing in International regulatory landscape						
		Departure VAR - HAV						