



24-27 September 2023 • Hilton Glasgow, Scotland

Poster Program

- [P1.001] Proposing a new conceptual syndemic framework for COVID-19 vaccine hesitancy: a narrative review

 Bara' AlShurman*, Zahid Butt. University of Waterloo, Canada
- [P1.002] Application of electron beam technology to develop vaccines to control foodborne pathogens in broiler chickens

Ruvindu Perera¹, Anna Assumpcao¹, Komala Arsi², Annie Donoghue³, Suresh Pillai⁴, Palmy Jesudhasan^{*3}, ¹University of Arkansas, USA, ²Unted States Department of Agriculture, USA, ³Unted States Department of Agriculture, USA, ⁴Texas A&M University System, USA

[P1.003] A systematic review of interventions to improve vaccination uptake among adults

Anelisa Jaca*1, Lindi Mathebula¹, Julie Jacobson Vann², Masibulele Sishuba³, Thobile Malinga¹, Charles Wiysonge¹, Duduzile Ndwandwe¹, ¹South African Medical Research Council, South Africa, ²University of Carolina, USA, ³South African Medical Research Council, South Africa

[P1.004] A qualitative study exploring motivators and barriers to COVID-19 vaccine uptake among adults in South Africa and Zimbabwe

Nellie Myburgh¹, Mamakiri Mulaudzi¹, Gugulethu Tshabalala¹, Norest Beta², Kimberley Gutu¹, Stefanie Vermaak¹, Charles Lau³, Lawrence Stanberry^{*4}, Catherine Hill¹, James Wilmot⁴, Shabir Madhi¹, Tariro Makadzange², Janan Dietrich^{5,1}, ¹University of the Witwatersrand, South Africa, ²Charles River Medical Group, Harare, Zimbabwe, ³Research Triangle International (RTI), USA, ⁴Columbia University, USA, ⁵Health Systems Research Unit, South African Medical Research Council. Bellville. South Africa

[P1.005] A community-based volunteer service to reduce inequity in COVID-19 vaccine distribution in New York City

Stasha O'Callaghan*1, Madalyn Fernbach², Haidee Chen³, Jade Tapia⁴, Charis Ng⁵, Ee Tay^{6,4}, ¹New York City Health and Hospitals Corporation, USA, ²Penn State School of Medicine, USA, ³Columbia University, USA, ⁴NYU Langone Health, USA, ⁵SUNY Downstate Health Sciences University, USA, ⁶Bellevue Hospital Center, USA

[P1.007] Promising practices for engaging local faith actors to promote uptake of COVID-19 vaccination: Lessons learned from Ghana, Indonesia, Sierra Leone, and Uganda

Mona Bormet^{*1}, Carolyn O'Brien², Sara Melillo³, ¹Christian Connections for International Health (CCIH), Kenya, ²Christian Connections for International Health, USA, ³Independent Global Health Consultant, Uganda

[P1.008] Culturally tailored COVID-19 vaccine clinics: a Community Oriented Primary Care (COPC) approach to increase vaccination rates among Latinos in the United States

Armando De Alba*1, Reyna L. Reyes-Nunez², ¹University of Nebraska Medical Center, USA, ²University of Nebraska Omaha, USA

[P1.009] Vaccine development at the biomedical advanced research and development authority (BARDA) Rushyannah Killens-Cade*, Adam Clark, Daniel Wolfe, Biomedical Advanced Research and Development Authority, USA

[P1.010] Factors associated with primary and follow-up booster COVID-19 vaccination in a community sample of African American men and women in the United States midwest

Jeffrey Kelly^{*}, Jennifer Walsh, Katherine Quinn, Yuri Amirkhanian, Monique Plears, Kevin Brown, *Medical College of Wisconsin*, *USA*

- [P1.011] Interaction and antiviral treatment of coinfection between SARS-CoV-2 and influenza in vitro

 Danlei Liu*, Ka Yi Leung, Hoi Yan Lam, Ruiqi Zhang, Yujing Fan, Xiaochun Xie, Kwok Hung Chan, Ivan Hung, The University of Hong Kong, Hong Kong
- [P1.012] The role of immunization information systems in improving equitable vaccine uptake, and the evidence-based policy and technical attributes that enable them to do so

 Alexandra Bhatti^{1,2}, Amanda L. Eiden*1, Luke Cunniff¹, ¹Merck & Co Inc. USA. ²Arizona State University, USA
- [P1.013] To assess common side effects of -19 vaccine experienced by people in Dedza in Malawi
 Robert Msokwa*, Mzuzu University, Malawi, University of Malawi, Malawi
- [P1.014] Epitope-enrichment plus a proper adjuvant-regimen induced potent antigen-specific memory responses in mice

 Hong Ling*1, Yan Li¹, Fu-Ning Liu¹, Xin-Yue Zhao¹, Yong Zhang², Jia-Ye Wang¹, Min Zhuang¹, ¹Harbin Medical University, China,² Jilin University, China
- [P1.015] The inclusion of pregnant women in vaccine clinical trials: a 5-year overview of late-stage clinical trials' records

 Maha Salloum*1, Antea Paviotti1, Hilde Bastiaens2, Jean-Pierre Van Geertruyden1, 1University of Antwerp, Belgium, 2University of Antwerp, Belgium
- [P1.016] COVID-19 vaccine intentions among Métis parents of children under 11 years old in Ontario, Canada

 Noel Tsui*1,2, Abigail Simms^{1,2}, Sarah Edwards^{1,2}, Shelley

 Cripps¹, ¹Métis Nation of Ontario, Canada, ²Institute for Clinical Evaluative Sciences, Canada

[P1.017] Ethnic disparities in COVID-19 vaccine mistrust and receipt in British Columbia, Canada

Bushra Mahmood*1, Prince Adu², Geoffrey McKee²,1, Aamir Bharmal²,1, James Wilton², Naveed Janjua²,1,3, ¹The University of British Columbia, Canada,²BC Centre for Disease Control, Canada,³Centre for Health Evaluation and Outcome Sciences, St. Paul's Hospital, Canada

[P1.018] COVID-19 vaccine behaviour among citizens of the Métis Nation of Ontario: a qualitative study

Abigail Simms^{*1,2}, Keith King³, Noel Tsui^{1,2}, Sarah Edwards^{1,2}, Graham Mecredy¹, ¹Institute for Clinical Evaluative Sciences, Canada, ²Métis Nation of Ontario, Canada, ³University of Alberta, Canada

[P1.019] Effect of revision of the recommended vaccination schedule for preventing vertical transmission of hepatitis B virus on vaccination and infection status of infants in Japan

Hayato Yamana^{*1}, Sachiko Ono², Nobuaki Michihata³, Kohei Uemura², Hideo Yasunaga², ¹Jichi Medical University, Japan, ²The University of Tokyo, Japan, ³Chiba Cancer Center Research Institute, Japan

[P1.020] Understanding and explaining the link between anthroposophy and vaccine hesitancy: A systematic review

Sibylle Herzig van Wees^{*1}, Khadija Abunnaja¹, Sandra Mounier-Jack², ¹Karolinska Institute, Sweden, ²London School of Hygiene & Tropical Medicine, UK

[P1.021] A rapid risk-benefit assessment system for large-scale vaccine implementation in response to pandemics

Keun-Young Yoo^{*1,2}, Sun Bean Kim³, Jaehun Jung⁴, ¹Veterans Health Service Medical Center, Republic of Korea, ²Seoul National University College of Medicine, Republic of Korea, ³Korea University College of Medicine, Republic of Korea, ⁴Department of Preventive Medicine, Gachon University, Republic of Korea

[P1.022] Development of a cross-clade pan-sarbecovirus booster vaccine

Feng Zhu*1, Chee Wah Tan¹, Wan Ni Chia¹, Lin-Fa Wang¹,²,¹Duke-NUS Medical School Program in Emerging Infectious Diseases, Singapore,²Singhealth Duke-NUS Global Health Institute, Singapore

[P1.023] Implementation of an EPI/PEI synergy model for improving immunization in the peri-urban areas of Karachi: A case study

Rakhshanda Ishaque*, Vital Pakistan Trust, Pakistan

[P1.024] COVID-19 vaccine hesitancy among unvaccinated or partially vaccinated adults in Ethiopia

Aderaw Anteneh^{*1}, Anteneh Getachew¹, Amel Hashim¹, Misael Kenera¹, Erica Felker-Kantor², ¹Population Services International, Ethiopia, ²Population Services International, USA

[P1.025] A shot in the arm, not a shot in the dark! A systems perspective of an apex Indian medical institution's COVID-19 vaccination programme

Parmeshwar Kumar*1, Vikas Hanumanthappa¹, Naveen Gowda², Rudresh Suddekunthe³, Pallavi Chamoli¹, Varsha Kashyap¹, Kamal Gulati¹, Anju Jain¹, Sunita Dua¹, Nirupam Madaan¹, Karan Madan¹, Aarti Vij¹, Rakesh Kumar¹, Randeep Guleria⁴, ¹All India Institute of Medical Sciences, India,²Apollo Specialty Hospitals Pvt Ltd, India,³SDM College of Medical Sciences, India,⁴Medanta The Medicity, India

[P1.026] Juxtaposing Pareto's principle over SWOT analysis to determine factors to improve COVID-19 vaccination uptake: A 4C model of vaccine hesitancy

Parmeshwar Kumar^{*1}, Pallavi Chamoli¹, Varsha Kashyap¹, Ayesha Choudhary², Randeep Guleria³, ¹All India Institute of Medical Sciences, India, ²Stanford University, USA, ³Medanta The Medicity, India

[P1.027] COVID-19 vaccine confidence and associated factors among adults with hypertension or Diabetes Mellitus in Kilimanjaro region, Tanzania

Monica Mtei*1,2, Daimon Mwasamila^{3,4}, Caroline Amour¹, Julieth Bilakwate¹, Laura Shirima¹, Amina Farah⁵, Innocent Mboya^{1,6}, Fabio Candotti⁷, Johnston George¹, Sia Msuya^{8,5}, ¹Kilimanjaro Christian Medical University College, Tanzania, United Republic of,²London School of Hygiene and Tropical Medicine, UK,³Kilimanjaro Christian Medical University College, UK,⁴University of Lausanne, Switzerland,⁵Kilimanjaro Christian Medical Centre, Tanzania, United Republic of,⁶Lund University, Sweden,⁷University of Lausanne, Basel, Switzerland,⁸Institute of Public Health, Department of Epidemiology and Biostatistics, Kilimanjaro Christian Medical University College, Moshi, Tanzania, United Republic of

[P1.028] Using volunteers to combat vaccine hesitancy online: evaluation of a randomized intervention

Hinna Hasan¹, Kirsten Cornelson², Janette Wong¹, Madison Fullerton^{1,3}, Theresa Tang^{4,1}, Chelsea D'Silva¹, Jia Hu^{*3,1}, ¹19 to Zero, Canada, ²Western University Ivey Business School, Canada, ³University of Calgary, Canada, ⁴University of Calgary, Canada

[P1.029] Evaluation of animal-origin free peptones to enhance viral vector vaccine production

Syed Khalil*, Wen-Yang Tsai, Ashwin Gurunathan, Matt Rosecrans, Aaron Robinson, Anna-Barbara Hachmann, Stacy Holdread, James Brooks, *Thermo Fisher Scientific, Hunt Valley, Maryland, USA*

- [P1.030] Analysing vaccine rumours: the r/osi framework Sibylle Herzig van Wees*, Karolinska Institute, Sweden
- [P1.031] A systematic review of factors that influence parents' views and practices around routine childhood vaccination in Africa: a qualitative evidence synthesis Edison Mavundza*, Sara Cooper, Charles Wiysonge, South African Medical Research Council. South Africa

[P1.032] Dual decision-making routes for COVID-19 and influenza vaccines uptake in parents

Jiehu Yuan*1, Meihong Dong1, Dennis Kai Ming Ip1, Hau Chi So1, Benjamin John Cowling1,2, Wendy Wing Tak Lam1, Qiuyan Liao1, 1The University of Hong Kong, Hong Kong,2Laboratory of Data Discovery for Health, Hong Kong Science and Technology Park, Hong Kong

[P1.033] Development of a filamentous bacteriophage-based vaccine displaying the MAGE-A1 tumour peptide for the treatment of malignant melanoma cancer

Nuša Brišar^{*1,2}, Katja Šuster³, Simona Kranjc Brezar⁴, Andrej Cör^{3,2}, ¹University of Primorska, Slovenia, ²University of Ljubljana, Slovenia, ³Valdoltra Orthopaedic Hospital, Slovenia, ⁴Institute of Oncology Ljubljana, Slovenia

[P1.034] Recombinant group a carbohydrate backbone embedded into outer membrane vesicles is a potent vaccine candidate targeting group a streptococcus from streptococcus pyogenes and streptococcus dysgalactiae subsp. equisimilis

Sowmya Ajay Castro^{*1}, Sarah Thomson¹, Alexandra H Shaw², Azul Zorzoli³, Benjamin H Meyer¹, Mark Reglinski¹, Helge C Dorfmueller¹, ¹University of Dundee, UK,²The National Institute of Biological Standards and Control, UK,³Royal Infirmary of Edinburgh, UK

[P1.035] Vaccine hesitancy in adults in the United States: a quantitative survey study

Anthony DiFranzo¹, deMauri S. Mackie², Alexandra Bhatti¹, Kushal Modi², Amanda L. Eiden^{*1}, ¹Merck & Co., Inc., Rahway, NJ, USA, ²Cerner Enviza, an Oracle Company, Malvern, PA, USA

[P1.036] Significance of collaborative efforts between NGOs/CSOs and Government in maximizing reach for vaccination of 'Zero-dose 'children: Lessons of CORE Group Partners Project, India

Jitendra Awale*, Dr Roma Solomon, Manojkumar Choudhary, Rina Dey, CORE Group Partners Project, India

- [P1.037] Reactogenicity of third and fourth booster doses of HIPRA PHH-1V, an adjuvanded bivalent recombinant protein vaccine against SARS-CoV-2

 Salomé de Cambra*1, Júlia Corominas2, Maria Teresa Prat1, Irina Güell1, Laura Ferrer1, 1HIPRA HUMAN HEALTH, Spain.2HIPRA HUMAN HEALTH, Spain
- [P1.038] Building vaccine confidence among government frontline workers (Accredited Social Health Activists ASHAs) to address vaccine hesitancy and accelerate the uptake of childhood immunization: Experience of CORE Group Partners Project Project, India

 Manojkumar Choudhary*, Roma Solomon, Jitendra Awale, Rina Dey, CORE Group Partners Project, India
- [P1.039] Recovery of childhood immunization disrupted by COVID-19 pandemic core group partners project's learnings from four districts of Uttar Pradesh, India Parul Ratna*1, Deepti Pant², ¹CORE Group Partners Project's, India,²Catholic Relief Services, India
- [P1.040] Influx of zero-dose children during and post COVID-19 pandemic: How CORE Group Partners Project supported the government mission to overcome the challenge in high priority sub-centers in Uttar Pradesh, India

Yatender Singh^{*1,2}, Roma Solomon³, Praveen Kaushik⁴, Mohd Javed⁵, ¹Project Concern International/PCI, India,²CORE Group Partners Project (CGPP), India,³CORE Group Partners Project, India,⁴Society For All round Development, India,⁵Jan Kalyan Samiti, India

[P1.041] Modelling the potential health impact of prospective Strep A vaccines

Fiona Giannini¹, Jeffrey Cannon^{1,2}, Daniel Cadarette², David Bloom², Hannah Moore^{1,3}, Jonathan Carapetis^{1,4}, Kaja Abbas^{*5}, ¹University of Western Australia, Australia, ²Harvard University, USA, ³Curtin University, Australia, ⁴Perth Children's Hospital, Australia, ⁵London School of Hygiene & Tropical Medicine. UK

[P1.042] Adult respiratory illness attendances to emergency departments: The pinnacle of winter pressures

Hannah Wright*1, Hamish Graham¹, James Campling², Elizabeth Begier³, Andrew Vyse⁴, Charlie Reynard⁵, Mary Slack⁶,७, Alethea De Melo⁶, Gillian Ellsbury⁶, ¹Vaccines Medical Affairs, Pfizer UK, UK,²Vaccines Medical Affairs, Pfizer UK, UK,³Global Medical and Scientific Affairs, Pfizer Inc, Ireland,⁴Vaccines Medical Affairs, Pfizer Vaccines, UK,⁵Vaccines Medical Affairs, Pfizer, UK, UK,⁶School of Medicine and Dentistry, Griffith University - Gold Coast Campus, Australia,¹Global Scientific Affairs, Pfizer Inc, UK,⁶Vaccines Medical Affairs, Pfizer Vaccines, UK, UK

[P1.043] Evaluation of COVID-19 vaccines and infection in HIV patients

Muhammed Fatih Karasin, Zeynep Bayraktar, Müge Toygar Deniz, Nazlıgül Özgökçe, Mehmet Kağan Özdemir, Sıla Aakhan*, *Kocaeli University School of Medicine, Turkey*

[P1.044] A systematic scoping review to identify criteria to assess a country's readiness to deploy a new or under utilised vaccine at a national level

Alexandra Bhatti¹, Amanda L. Eiden*1, Vaneesha Monk², Rachel Mitrovich¹, Lindsay V. Hermany¹, Natasha Hansen¹, Mark Connolly³, Samantha Vanderslott², Luke Baxter², Aomesh Bhatt², ¹Merck & Co Inc - Rahway, USA, ²University of Oxford, UK, ³Global Market Access Solutions Sarl, Switzerland

[P1.045] COVID-19 vaccination hesitancy in adults with a history of cancer

Mohamed Elsaid*1, Chloe Hery¹, Xiaochen Zhang², Cecilia DeGraffinreid¹, Electra Paskett³,⁴, ¹The Ohio State University, USA,²Fred Hutchinson Cancer Research Center Cancer Prevention Program, Seattle, WA, USA,³Department of Internal Medicine, Division of Cancer Prevention and Control, USA,⁴Cancer Control Continuum in Ohio and Indiana Consortium, USA

- [P1.046] Bacterium-like particles as a promising adjuvant for nasal vaccines targeting intestinal infections
 Keita Takahashi*, Haruka Sudo, Ayato Tsujii, Nagisa Tokunoh,
 Sarana Kawashima, Yuta Hayakawa, Hiroki Fukushima, Naoki
 Inoue, Tetsuo Koshizuka, Gifu Pharmaceutical University, Japan
- [P1.047] The impact of conflict and ISIS occupation on immunization completion for children in Hadeetha, Anbar Iraq from 2014-2020

 Sara Al-Dahir*1,2, Tahseen Hasan³, Alaa Khalil⁴, ¹Xavier University of Louisiana, USA,²Johns Hopkins University, USA,³Iraq Ministry of Health, Iraq,⁴Nunez Community College, USA
- [P1.048] The test-negative design case-control study of the effectiveness of BNT162b2 vaccine against symptomatic SARS-CoV-2 infection in children aged 5–11 years in Japan during Omicron variant predominate periods

 Megumi Hara*1, Yuko Ohta2, Naoki Fusazaki3, Yoshio Hirota4,

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[P1.049] Increasing understanding of the role of engineering in vaccine development and manufacture. A collaborative project between UCL-Oxford Future Vaccine Manufacturing Research Hub (Vax-Hub) and UK secondary schools

Stephen A Morris*, Ludovica Vaiarelli, Salome De Sa Magalhaes, Martina Micheletti, *University College London, UK*

[P1.050] Safety of two doses BNT162b2 mRNA vaccine given 21 days apart in children 5 to 11 years old

Chee Fu Yung*1,2,3, Kai Qian Kam^{1,2,4}, Seyed Ehsan Saffari⁵, Michelle Ren¹, Qing Lin Tan¹, Szu-Tien Thio¹, Chia Yin Chong^{1,2,4}, ¹KK Women's and Children's Hospital, Singapore, ²Duke-NUS Medical School, Singapore, ³Lee Kong Chian School of Medicine, Singapore, ⁴National University of Singapore, Singapore, ⁵Duke-NUS Medical School Centre for Quantitative Medicine, Singapore

[P1.051] (In)congruities in caregivers' and healthcare providers' vaccine information approaches: Evidence from a mixed methods study in the Philippines Jonas Wachinger*1, Mark Donald C Reñosa^{2,3}, Vivienne

Endoma³, Jhoys Landicho-Guevarra³, Maria Paz
Demonteverde³, Catherine Silvestre³, Jeniffer Landicho³, Mila
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Rachel P Chase⁴, Shannon A McMahon^{4,5}, ¹Heidelberg
University, Germany, ²Heidelberg Institute of Global Health,
Heidelberg University, Germany, ³Research Institute for
Tropical Medicine, The Philippines, ⁴Heidelberg University,
Germany, ⁵Johns Hopkins University, USA

[P1.052] Humoral immune response against SARS-CoV-2 variants (Omicron BA.1, BA.4/5, Beta and Delta) of PHH-1V booster vaccine in subjects previously vaccinated with a mRNA vaccine. Results of a randomised controlled trial up to 6 months

Antonio Barreiro*, Antoni Prenafeta, Alexandra Moros, Laia Madrenas, Manuel Cañete, Júlia Corominas, Teresa Prat, Laura Ferrer, *HIPRA*, *Spain*

[P1.053] Humoral immunogenicity of COVID-19 mRNA vaccines: a prospective study focusing on blood selenium and vitamin D levels at baseline

Goki Yamada*1, Akiko Matsumoto², Takuma Furukawa^{3,4}, Chiharu Iwasaka^{3,5}, Takeshi Sawada³, Mikiko Tokiya², M.Said Ashenagar³, Mikako Horita³, Tadayuki Tsujita³, Megumi Hara³, ¹Kagoshima University, Japan,²Saga University School of Medicine, Japan,³Saga University, Japan,⁴Saga University Hospital, Japan,⁵National Institutes of Biomedical Innovation, Health and Nutrition, Japan

[P1.054] T cell vaccines against Zika virus

Branka Grubor-Bauk*1, Zelalem Mekonen¹, Arthur Yeow¹, Wilfred Saron², Dawn Whelan¹, Ryan Santos¹, Makutiro Masavuli¹, Andreas Suhrbier³, Ashley St John², Eric Gowans¹, David O'Connor⁴, ¹The University of Adelaide, Australia,²Duke-NUS Medical School, Singapore,³QIMR Berghofer Medical Research Institute, Australia,⁴University of Wisconsin-Madison, USA

[P1.055] Descriptive epidemiology of adverse events following immunization (AEFI) with the Japanese encephalitis vaccination using open data in Japan

Ai Hayashi^{*1,2}, Fuka kikuchi^{1,3}, Saeko Morino¹, Mai Okuyama¹, Miho Shibamura¹, Sayaka Takanashi¹, Satoru Arai¹, Hajime Kamiya¹, Motoi Suzuki¹, ¹National institute of infectious diseases Center for surveillance, immunization, and epidemiologic research, Japan, ²Tohoku University, Japan, ³Tokyo University of Agriculture and Technology, Japan

[P1.056] The effect of malaria infection on the immune response to the two-dose Ad26.ZEBOV, MVA-BN-Filo Ebola vaccine regimen in adults and children enrolled in a vaccine trial in Sierra Leone

Daniela Manno^{*1}, Philip Ayieko^{1,2}, David Ishola^{1,3}, Muhammed O. Afolabi 1,3 , Frank Baiden 1,3 , Daniel Tindanbil 1,3 , Abu Bakarr Kamara^{4,3}, Osman Mohamed Bah^{4,3}, Baimba Rogers^{4,3}, Kwabena Owusu-Kyei^{1,3}, Abdoulie Drammeh^{1,3}, Catriona Patterson¹, Kevin Tetteh¹, Mattu Tehtor Kroma^{4,3}, Godfrey Tuda Otieno^{1,3}, Bolarinde Joseph Lawal^{1,3}, Auguste Gaddah⁵, Gibrilla Fadlu Deen Deen⁴, Babajide Keshinro⁶, Yusupha Njie^{1,3}, Dickens Kowuor^{1,3}, Brett Lowe^{1,7}, Cynthia Robinson⁶, Bailah Leigh⁴, Chris Drakeley¹, Brian Greenwood¹, Deborah Watson-Jones^{1,2}, ¹London School of Hygiene & Tropical Medicine, UK, ²Mwanza Intervention Trials Unit, Tanzania, United Republic of, ³EBOVAC Project, Kambia district, Sierra Leone, ⁴University of Sierra Leone, Sierra Leone, ⁵Janssen Research and Development, Beerse, Belgium, ⁶ Janssen Vaccines and Prevention BV, The Netherlands, 7KEMRI-Wellcome Trust Research Programme, Kilifi, Kenya

[P1.057] Modelling the potential impact of 100 days mission and broader investments on the COVID-19 pandemic

Gregory Barnsley*1,2, Daniela Olivera Mesa², Damian Walker^{3,4}, Andy Torkelson⁵, Azra Ghani², Oliver J Watson^{2,1}, ¹London School of Hygiene and Tropical Medicine Department of Infectious Disease Epidemiology, UK,²Imperial College London, UK,³Management Sciences for Health, USA,⁴Center for Global Development, USA,⁵Linksbridge, SPC, USA

[P1.058] Expanding vaccination provider types and administration sites can increase vaccination uptake:
A systematic literature review of the evidence outside of the United States

Anna Larson¹, Priya Shanmugam², Rachel Mitrovich¹, Divya Vohra², Aimee Lansdale², Amanda L. Eiden^{*1}, ¹Merck & Co., Inc., Rahway, NJ, USA, ²Mathematica Inc, USA

[P1.059] Interferon-beta integrated SARS-CoV-2 vaccine prevents co-infection and enhances T-cell immunity in animal model

Wan-Man Wong^{*1,2}, Chun-Kit Yuen^{1,2}, Long-Fung Mak^{1,2}, Kin-Hang Kok^{1,2}, ¹The University of Hong Kong, Hong Kong,²Centre for Virology, Vaccinology and Therapeutics, Hong Kong Science and Technology Park, Hong Kong

- [P1.061] Building confidence in mRNA vaccines through targeted education for employers and vulnerable communities

 Chelsea D'Silva¹, Jia Hu*1, Scott Ratzen², Ajit Johal³, Theresa Tang¹, Hinna Hasan¹, ¹19 to Zero, Canada, ²City University of New York, USA, ³Immunize.io, Canada
- [P1.062] Unconjugated peptide vaccine comprising conserved epitopes from both SARS-CoV-2 and influenza virus generates durable and broadly reactive antibodies to multiple coronavirus and influenza virus strains

 Nimisha Rikhi*1, Clara J. Sei¹, Kevin Muema¹, Kellie A. Kroscher¹, Richard F. Schuman², Aba Assiaw-Dufu¹, Gerald W. Fischer¹, ¹Longhorn Vaccines and Diagnostics, LLC, USA,²Antibody and Immunoassay Consultants, USA
- [P1.063] A custom phage immunoprecipitation sequencing library to monitor and observe epitope-level antibody response to SARS-CoV-2 vaccination or infection Charles Kevin Tiu*1,2, Wanni Chia¹, Feng Zhu¹, Lin-Fa Wang¹,2,¹Duke-NUS Medical School, Singapore,²Singhealth Duke-NUS Global Health Institute, Singapore

- [P1.064] Sociodemographic correlates of vaccination uptake for key vaccine preventable diseases among sexual and gender minorities in living in New Jersey and New York Kristen Krause*1,2, Anita Karr³, Paul D'Avanzo³, Perry Halkitis¹,², ¹Rutgers School of Public Health, USA,²Rutgers Center for Health, Identity, Behavior and Prevention Studies, USA,³Columbia University, USA
- [P1.065] Assessing concern around MPOX accompanied by acceptability and accessibility of MPOX vaccination among sexual and gender minorities living in New Jersey and New York

 Perry Halkitis^{1,2}, Kristen Krause*1,2, ¹Rutgers School of Public Health, USA,²Rutgers Center for Health, Identity, Behavior and Prevention Studies, USA
- [P1.066] A rational design of a pneumococcal multi-epitope vaccine: from immunobioinformatics to bench-scale Vítor Alves*1,2, Enéas Carvalho², Vinicius Souza², Jose Patane¹, Viviane Gonçalves², ¹University of São Paulo, Brazil,²Butantan Institute, Brazil
- [P1.067] A roundtable discussion on approaches to measuring and improving vaccine confidence globally

 Jia Hu*1, Scott Ratzan², Ajit Johal³, Theresa Tang¹, Chelsea
 D'Silva¹, ¹19 to Zero, Canada,²City University of New York,
 USA,³Immunize.io, Canada
- [P1.068] A recombinant, non-replicating oral rotavirus vaccine for the developing world

 Esmeralda Cuevas Juarez*, Gilad Doitsh, Emery Dora, Laura Showalter, Ermin Zhao, William Sun, Elena Neuhaus, Molly Braun, Samanta Gutierrez, Sarah Tedjakusuma, Becca Flitter, Sean Tucker, Vaxart Inc, USA

[P1.069] Development of a next generation 31 valent pneumococcal conjugate vaccine (VAX-31) using site-specific carrier protein conjugation

Christopher Behrens*1, Jeff Fairman¹, Paresh Agarwal¹, Shylaja Arulkumar¹, Sandrine Barbanel¹, Leslie Bautista¹, Aym Berges¹, John Burky¹, Peter Davey¹, Chris Grainger¹, Sherry Guo¹, Samantha Iki¹, Mark Iverson¹, Neeraj Kapoor¹, Olivier Marcq², Thi-Sau Migone¹, Lucy Pill-Pepe¹, Mohammed Sardar¹, Paul Sauer¹, James Wassil¹, ¹Vaxcyte Inc., USA,²Tubulis GmbH, Germany

[P1.070] Immunoglobulin Fc displayed modified Porcine Epidemic Diarhoea Virus (PEDV) enhanced the immune response against PEDV

Kyoung-Ho Lee^{*1,2}, Mai Wada², Hyun-Jin Shin³, ¹Chungnam National University, Republic of Korea, ²CellEnVax, Republic of Korea, ³Chungnam National University, Republic of Korea

[P1.071] An attenuated vaccinia vaccine encoding the SARS-CoV-2 spike protein elicits broad and durable immune responses, and protects cynomolgus macaques and human ACE2 transgenic mice from SARS-CoV-2 and its variants

Fumihiko Yasui*1, Hirohito Ishigaki², Misako Nakayama², Naoki Yamamoto¹, Kenzaburo Yamaji¹, Yusuke Metsumoto¹, Cong Nguyen², Yoshinori Kitagawa², Takahiro Sanada¹, Tomoko Honda¹, Tsubasa Munakata¹, Yasushi Itoh², Michinori Kohara¹, ¹Tokyo Metropolitan Institute of Medical Science, Japan,²Shiga University of Medical Science, Japan

[P1.072] Defense mechanisms against MERS-CoV infection and immunological memory in mucosal tissues for developing intranasal vaccines candidates

Khalid Shrwani^{*1,2}, Waleed Mahallawi³, Eyad Gadour^{4,5}, Jaber Ghazwani⁶, Omar Mashi⁶, Zaki Eisa⁷, Ahmed Albarrag^{8,9}, Abdullah Algwizani⁸, Nigel Cunliffe¹, Qibo Zhang¹⁰, ¹University of Liverpool, UK,²Department of Virology, Public Health Authority, Jazan, Saudi Arabia,³Taibah University, Saudi Arabia,⁴University Hospitals of Morecambe Bay NHS Foundation Trust, UK,⁵Zamzam University College, Sudan,⁶Public Health Authority, Jazan, Saudi Arabia,⁷Saudi Center for Disease Prevention and Control (SCDC), Saudi Arabia,⁸Public Health Authority, Saudi Arabia,⁹King Saud university, Saudi Arabia,¹⁰University of Surrey., UK

[P1.073] Novel algorithm driven vaccine design framework for optimal population and pathogen variation coverage build for strong cellular and humoral response and memory

Julia Villarroel*, Federico De Masi, Juliet Frederiksen, Claus Lundegaard, ZS Associates, Copenhagen, Denmark

[P1.074] Cholera vaccine clinical trials: a cross-sectional analysis of clinical trials registries

Lindi Mathebula*, Thobile Malinga, Mammekwa Mokgoro, Duduzile Ndwandwe, Charles Wiysonge, Glenda Gray, *South African Medical Research Council. South Africa*

[P1.075] Return on investment of a 20-valent pneumococcal conjugate vaccine to directly protect adults against pneumococcal disease in England

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[P1.077] Prevalence and impact of persistent symptoms following SARS-CoV-2 infections in UK healthcare workers in the SIREN cohort study

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[P1.078] Factors associated with COVID-19 vaccine breakthrough infection in vaccinated UK healthcare workers, a cross-sectional analysis from the VIBRANT, PITCH, and SIREN cohorts

Sarah Foulkes*1, Oliver Galgut², Ana Atti¹, Jameel Khawam¹, jem chalk³, Lizzie Stafford³, Sofia Sampaio³, Jasmin Islam¹, Jean Timeyin¹, Callum Halstead³, Antonia Ho⁴, Kate Templeton⁵, Christopher Duncan⁶, Thushantha de Silvaⁿ, Lance Turtle³, Susan Hopkins¹, Paul Klenerman⁶, Susie Dunachie⁶, Victoria Hall¹, Alex Richter², ¹UK Health Security Agency, UK,²University of Birmingham, UK,³University of Oxford, UK,⁴NHS Greater Glasgow and Clyde, UK,⁵NHS Lothian, UK,⁶Newcastle University, UK,¬The University of Sheffield, UK,⁶University of Liverpool, UK,⁶Oxford University Hospitals NHS Foundation Trust, UK

[P1.079] Development of Toll-Like Receptor-directed adjuvants and incorporation in innovative vaccine formulations against challenging antimicrobial resistant bacterial infections

Ana Rita Franco*, Alessio Romerio, Alice Italia, Valentina Artusa, Federico Lami, Mohamed Monsoor Shaik, Francesco Peri, *University of Milan, Italy*

[P1.080] F1-based LNP-mRNA vaccine affords protection against bubonic and pneumonic plague

Yinon Levy*1, Uri Elia¹, Edo Kon², Hila Cohen¹, Inbal Hazan-Ha'levy², Moshe Aftalion¹, Assaf Ezra², Erez Bar-Haim¹, Gonna Naidu², Yael Diesendruck², Shahar Rotem¹, Nitay Ad-El², Meir Goldsmith², Emanuelle Mamroud¹, Dan Peer², Ofer Cohen¹, ¹Israel Institute for Biological Research, Israel, ²Tel Aviv University, Israel

- [P1.081] Local authorities' schemes to improve the influenza vaccination rate for care home staff
 Faisal Alsaif*1, Michael Twigg1, David Wright2, Amrish Patel1,

 1 University of East Anglia, UK, University of Leicester, UK
- [P1.082] Humoral and cellular responses to mRNA-1273 vaccination in lung transplant recipients with prior infection

Siqi Liu*1, Laura van Dijk², Yvette den Hartog², Rogier Hoek³, Erik Verschuuren¹, Corine Geurtsvankessel², Rory De Vries², Debbie Van Baarle¹,⁴, Coretta Van Leer Buter¹, ¹University of Groningen, The Netherlands,²Erasmus University Medical Center, The Netherlands,³University Medical Center Rotterdam, The Netherlands,⁴Center for Infectious Disease Control, National Institute for Public Health and the Environment, Bilthoven, The Netherlands

- [P1.083] Hybrid immunity in SARS-CoV-2: the paediatric story Youjia Zhong*1, Elizabeth Huiwen Tham², Lynette Pei-Chi Shek², Eng Eong Ooi¹, ¹Duke-NUS Medical School Program in Emerging Infectious Diseases, Singapore,²National University of Singapore Yong Loo Lin School of Medicine, Singapore
- [P1.084] Receipt of the influenza vaccine is the greatest factor associated with pneumococcal vaccine uptake amongst the elderly

 Mncengeli Sibanda* IC Meyer, Rosemary Burnett, Sefako

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[P1.086] Immunogenicity of a chimeric SARS-CoV-2 virus-like particle in mice

Bac Tran Le, Jung-Eun Park*, Chungnam National University, Republic of Korea

[P1.087] Obesity is a risk factor for symptomatic flaviviral infection

Ayesa Syenina*1,2, Christine Tham^{1,2}, Danny Tng^{1,3,4}, Valerie Chew^{1,2}, Jia Xin Yee^{1,2}, Yanshan Leong^{1,2}, Eugenia Ong^{1,2}, Jenny Low^{1,2,3}, Eng Eong Ooi^{1,2,3,5}, ¹Duke-NUS Medical School, Singapore, ²Singhealth Duke-NUS Academic Medical Centre, Singapore, ³Singapore General Hospital, Singapore, ⁴Duke-NUS Medical Academic Clinical Programme, Singapore, ⁵National University of Singapore, Singapore

[P1.088] Identifying priority groups for CMV vaccination in China: A modeling study

Gang Qin¹, Meng-Zhao Yin¹, Yuan-Yuan Gu², Jun-Tao Shu^{*3}, Bin Zhang¹, Min Su¹, Lu-Ping Zhang¹, Yin-Hua Jiang¹, ¹Affiliated Hospital of Nantong University, China, ²Macquarie University, Australia, ³Nantong University, China

[P1.089] Pre-clinical evaluation of vaccine efficacy against Tuberculosis

Rebecca Winsbury*, Simon Clark, Service UK Health Security Agency - Porton, UK

[P1.090] Humoral immune response against XBB.1.5 and BQ.1.1 SARS-CoV-2 variants of a fourth dose of PHH-1V vaccine in adult subject: Preliminary results of HIPRA-HH-2 extension study

Salome de Cambra Florensa*, Sandra Moros, Antonio Barreiro, Antonio Prenafeta, Laia Madrenas, Manuel Cañete, Julia Corominas, Irina Güell, Tersa Prat, Laura Ferrer, *HIPRA HUMAN HEALTH*, *Spain*

[P1.091] A study on the improvement of *in vivo* potency assay of botulinum toxin products for national lot release system

Kyung Sik Yoon*, Hanbit Bong, Jiyun Seo, Won Gyo Jang, Jeong Nam Woo, InYeong Hwang, Jongwon Kim, *National Institute of Food and Drug Safety Evaluation, Republic of Korea*

- [P1.092] Lessons learned from COVID vaccine hesitancy in teenagers during COVID19 pandemic in USA

 Meher Garg¹, Ruchi Gupta*2,3,1, ¹Springfield School,

 USA,²Springfield Clinic LLP, USA,³Southern Illinois University,

 USA
- [P1.093] Purification of virus-like particles by liquid chromatography as candidate vaccines.

 Pedro Martín-Reyes*1, Nicola J Stonehouse2, David J Rowlands2, 1 University of Leeds, UK, 2 University of Leeds, UK
- [P1.094] Pneumococcal serotypes associated with invasive pneumococcal disease and carriage in UK children potential impact of a 20-valent pneumococcal conjugate vaccine

 Carole Czudek*, Andrew Vyse, Gillian Ellsbury, Pfizer Ltd, Walton Oaks, UK
- [P1.095] Field monitoring of the implementation of polio supplementary immunization activities following circulating Vaccine-Derived Polio Virus Type 2 (cVDPV2) Outbreak in Aceh, Indonesia

Sherli Karolina*, Lulu Ariyantheny Dewi, Ratih Oktri Nanda, Prima Yosephine, Gertrudis Tandy, *Ministry of Health of the Republic of Indonesia*, *Indonesia*

[P1.096] Effects of freezing media on cell viability for dendritic cell-based immunotherapy

Alberto José da Silva Duarte*, Bruna Tiaki Tiyo, Telma Miyuki Oshiro, Laís Teodoro da Silva, *Universidade de Sao Paulo, Brazil*

[P1.097] Genomics advancements in vaccine design and development in low and middle income economies

Samson Muuo Nzou*1, Robinson Irweka1, Matthew Munyao1, Esther Kinyeru2, Tonny Nyandwaro1, Peter Rotich1, Caroline Njoroge1, Joanne Yego1, Eberhard Zeyhle3, Ann Mwangi1,

1Kenya Medical Research Institute, Kenya,2Ministry of Health, Nakuru County, Kenya,3Meru University of Science and Technology, Kenya

- [P1.098] Development of a Nipah virus model of disease
 Stephen Findlay-Wilson, Stuart Dowall, Lucy Flett*, Javier
 Salguero, Roger Hewson, *UKHSA*, *UK*
- [P1.099] Utility of language model and physics-based approaches in modifying MHC Class-I immune-visibility for the design of vaccines and therapeutics

 Hans-Christof Gasser*, Diego Oyarzun, Ajitha Rajan, Javier Alfaro, The University of Edinburgh, UK
- [P1.100] Seasonality of Guillain-Barré Syndrome during vaccination against SARS-CoV-2: A country-wide analysis of vaccines in Mexico

 Yaneth Tapia-Morales¹, Miguel García-Grimshaw¹, Sergio Iván Valdés-Ferrer*^{1,2}, ¹Salvador Zubiran National Institute of Medical Sciences and Nutrition, Mexico, ²Northwell Health Feinstein Institutes for Medical Research, USA
- [P1.101] Toxicity of aluminum adjuvant in rabies vaccine: a case study

 Subhash Chand*, Jaipal Meena, Harit Kasana, Faraz Sheikh,
 Gurminder Bindra, Shikha Yadav, Harish Chander, National Institute of Biologicals, India
- [P1.102] SARS-CoV2 spike protein expression as an Identification in quality control testing for adenovector based Covid-19 vaccine

 Ade Ajay Kumar¹, Jaipal Meena¹, Harit Kasana¹, Anup

 Anvikar¹, Harish Chander*¹, Faraz Sheikh², ¹National Institute of Biologicals, India
- [P1.103] Quality testing for vaccines: Need of the hour
 Harit Kasana, Jaipal Meena, Harish Chander*, Archana Syal,
 Subhash Chand, National Institute of Biologicals, India
- [P2.001] The abundance of selected lipopolysaccharide-rich bacteria and Toll-like Receptor 4 expression are significantly associated with rotavirus vaccine shedding

Lerato Kgosana*, Mapaseka Seheri, Cliff Magwira, *Sefako Makgatho Health Sciences University, South Africa*

[P2.002] A versatile and powerful dendritic cell-targeting platform to induce sustained protective immunity upon single dose immunization

Sylvie Alonso*1, Mireille Lahoud2, Nicholas Cheang1, 1National

Sylvie Alonso*1, Mireille Lahoud², Nicholas Cheang¹, ¹National University of Singapore, Singapore, ²Monash University, Australia

- [P2.003] Predictors of uptake of childhood immunisation by mothers in an urban community in Osun state
 Olapeju Esimai*1, Titilayo Adeyanju², ¹Obafemi Awolowo
 University, Nigeria,²Obafemi Awolowo University Teaching
 Hospital, Nigeria
- [P2.004] Adjuvanted influenza vaccination in the elderly and its impact on public healthcare system resources within the Republic of Ireland An influenza and SARS-CoV-2 co-circulation approach

 Van Hung Nguyen¹, Mansoor Ashraf², Joaquin Mould-Quevedo³, Timothy Schrire*¹, ¹Segirus USA Inc, USA, ²Segirus,

UK.³Seairus USA Inc. USA

[P2.005] Association between body mass index (BMI) and safety and immunogenicity to COVID-19 vaccination in different sex

Yujing Fan^{*1}, Ricky, Ruiqi Zhang¹, Ka-Yi Leung¹, Danlei Liu¹, Ka-Wa Khong², Hoi-Yan Lam², Xiaochun Xie², Kwok-Hung Chan², Ivan, Fan-Ngai Hung², ¹The University of Hong Kong, Hong Kong, The University of Hong Kong, Hong Kong

[P2.006] Novel ways to drive catch-up vaccination of adult migrants in UK primary care: a pilot study

Alison F Crawshaw¹, Lucy P Goldsmith¹, Anna Deal^{1,2}, Jessica Carter¹, Felicity Knights¹, Farah Seedat¹, Michiyo Iwami¹, Fatima Wurie³, Azeem Majeed⁴, Sally Hargreaves^{*1}, ¹St George's University of London, UK,²London School of Hygiene & Tropical Medicine, UK,³Office for Health Improvement and Disparities, UK,⁴Imperial College London, UK

[P2.007] Adherence to tetanus prophylaxis guidelines among trauma patients in Japan

Sachiko Ono^{*1}, Mikio Nakajima², Hayato Yamana³, Nobuaki Michihata⁴, Kohei Uemura¹, Yosuke Ono⁵, Hideo Yasunaga¹, ¹The University of Tokyo, Japan, ²Tokyo Metropolitan Hiroo Hospital, Japan, ³Jichi Medical University, Japan, ⁴Chiba Cancer Center Research Institute, Japan, ⁵National Defense Medical College, Japan

[P2.008] Residual toxicity testing of vaccine matrices against neonatal bovine diarrhoea and ovine abortion with the Limulus Amoebocyte Lysate (LAL) test: Preliminary data

Antonella Di Paolo*, Lucia Anzalone, Claudia Colabella, Rosario Liberti, Andrea Felici, Monica Cagiola, *Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati"*, *Italy*

[P2.009] Duration of influenza vaccine effectiveness in the elderly in Japan: A retrospective cohort study using large-scale population-based registry data

Kohei Uemura^{*1}, Sachiko Ono¹, Nobuaki Michihata², Hayato Yamana³, Hideo Yasunaga¹, ¹The University of Tokyo, Japan, ²Chiba Cancer Center Research Institute, Japan, ³Jichi Medical University, Japan

[P2.010] Assessment of the programmatic suitability and user acceptability of delivery devices for the prevention of respiratory syncytial virus in infants

Manjari Quintanar-Solares^{*1}, Denise Habimana², Collrane Frivold¹, Courtney Jarrahian¹, ¹PATH, USA, ²PATH, Switzerland

[P2.011] Cellular and humoral immunity against different SARS-CoV-2 variants is detectable but reduced in vaccinated kidney transplant patients

Laura Thümmler*1, Anja Gäckler¹, Maren Bormann¹, Sandra Ciesek²,³,⁴, Marek Widera², Hana Rohn¹, Neslinur Fisenkci¹, Mona Otte¹, Mira Alt¹, Ulf Dittmer¹, Peter Horn¹, Oliver Witzke¹, Adalbert Krawczyk¹, Monika Lindemann¹, ¹University of Duisburg-Essen, Germany,²University Hospital Frankfurt, Germany,³Goethe-University, Germany,⁴Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

[P2.012] Development and characterization of a live attenuated influenza A/H1N1pdm09 virus vaccine master donor virus candidate

Svetlana Shcherbik^{*1}, Nicholas Pearce², Maarja Toots^{2,3}, Tatiana Bousse², David Wentworth², John Steel², ¹Centers for Disease Control and Prevention, USA, ²Centers for Disease Control and Prevention, USA, ³Battelle Memorial Institute, USA

[P2.013] VaxCheck: The development and testing of a clinical decision-making adult vaccine tool for community pharmacists

Nancy Waite¹, Sherilyn Houle^{*1}, Molly Yang², Elizabeth Vernon-Wilson¹, Madeleine Rivard¹, Alice Lau², ¹University of Waterloo, Canada, ²WholeHealth Partners, Canada

- [P2.014] Increasing vaccination service capacity by use of injection-certified pharmacy technicians in community pharmacies: A qualitative analysis of best practices

 Nancy Waite, Mathew DeMarco, Sherilyn Houle*, University of Waterloo, Canada
- [P2.015] Mapping of the cold-adapted and temperature sensitive phenotypes of a live attenuated influenza A/H1N1pdm09 virus vaccine candidate

 Brenda M. Calderon*, Svetlana Shcherbik, Nicholas Pearce, David Wentworth, John Steel, Centers for Disease Control and Prevention, USA

[P2.016] Promoter mutations in the novel "OP7" influenza defective interfering particle intended for use as antiviral

Julita Piasecka*1, Daniel Rüdiger1, Sascha Kupke1, Udo Reichl1,2, 1Max Planck Institute for Dynamics of Complex Technical Systems, Germany,2Otto von Guericke University, Germany

[P2.017] Establishment of an improved ATP assay method for BCG vaccine potency testing

Pyong-Gon Moon*1, Donglin Yi², So Jeong Lee¹, TaeHyung Kim¹, Inyoung Lee¹, Joon-Ik Ahn¹, InYeong Hwang¹, Jongwon Kim¹, ¹National Institute of Food and Drug Safety Evaluation, Republic of Korea, ²National Institute of Food and Drug Safety Evaluation, Republic of Korea

[P2.018] Improving vaccination coverage through community pharmacy services; the COVID-19 experience and implications for policy review in Nigeria

Yejide Oseni^{1,2}, Ukamaka Okafor¹, Taofik Odukoya^{*3}, Hamidu Oluyedun⁴, Abiodun Ajibade⁵, Yusuff Azeez¹, Abigail Okonu¹, Oladapo Adetunji⁶, ¹Pharmacy Council of Nigeria, Nigeria, ²Obafemi Awolowo University, Nigeria, ³Vanguard Pharmacy Ltd, Nigeria, ⁴Oyo State Ministry of Health, Nigeria, ⁵Alvid Nigeria Ltd, Nigeria, ⁶University of Ibadan, Nigeria

[P2.019] Estimating the burden of adult accident and emergency respiratory attendances in England that are due to respiratory syncytial virus

Andrew Vyse^{*1}, Elizabeth Begier², Hamish Graham¹, Hannah Wright¹, ¹Pfizer International Ltd (UK), UK, ²Pfizer Inc, USA

[P2.020] Codon pair deoptimization (CPD)-attenuated PRRSV-1 vaccination exhibit immunity to virulent PRRSV challenge in pigs

Hyang-Sim Lee*, Animal and Plant Quarantine Agency, Republic of Korea

[P2.021] Comparison of immune response in Omicron SARS-CoV-2 breakthrough infection across BNT162b2 and CoronaVac vaccinated adults

Xiaochun Xie*, Ruiqi Zhang, Danlei Liu, Yujing Fan, Kwok Hung Chan, Ivan Fan-Ngai Hung, *The University of Hong Kong, Hong Kong*

[P2.022] A One-Year Follow-Up Evaluation of Frontline Healthcare Workers' Knowledge After Adverse Events Following Immunization (AEFI) Surveillance Training in Six Districts in Malawi

Lapani Ngala¹, Sandra Kiplagat², Christine Kihembo³, Joseph Magoola³, Rhoda Chado⁴, Kondwani Mmanga^{*1}, Anderson Ndalama⁵, Esther Chirwa⁶, Boston Zimba⁶, Donnie Mategula⁷, Mike Chisema⁴, Jane Gidudu², ¹African Field Epidemiology Network, Malawi,²Centre for Disease Control and Prevention, USA,³African Field Epidemiology Network, Uganda,⁴Expanded Programme on Immunization, Ministry of Health, Malawi,⁵Pharmacy Medicines Regulatory Authority, Malawi,⁶World Health Organization, Malawi,⁷Kamuzu University of Health Sciences, Malawi

[P2.023] Estimating costs associated with pediatric Respiratory Syncytial Virus infection managed in the hospital setting in England

Rebecca Butfield*, Jack Said, Pfizer Ltd, UK

[P2.024] Estimating costs associated with adult Respiratory Syncytial Virus infection managed in the hospital setting in England

Rebecca Butfield*, Jack Said, *Pfizer Ltd, UK*

[P2.025] Immunological correlates of Type III Interferon (IFN-λ3) pre-treatment of chicken cells against Avian Influenza Virus (AIV) infection

Sucharita Bhowmick*, Amirul Islam Mallick, *Indian Institute of Science Education and Research Kolkata*. *India*

[P2.026] Mapping zero-dose children and missed communities identified through school vaccination screening in Zambia

Megan Powell*1, Webster Mufwambi², Alvira Hasan¹, Aliness Dombola², Christine Prosperi¹, Rodgers Sakala², Kelvin Kapungu², Gershom Chongwe², Prachi Singh¹, Qiulin Wang¹, Kennedy Siputuma³, Malalu Mulundika³, Francis Mwansa⁴, Constance Sakala⁴, Elicah Kamiji⁴, Stella Chewe³, Chisanga Mpundu³, Shaun Truelove¹, William Moss¹, Simon Mutembo¹, ¹Johns Hopkins University, USA,²Tropical Diseases Research Centre, Zambia,³Zambia Ministry of General Education, Zambia,⁴Zambia Ministry of Health, Zambia

[P2.027] Immunogenicity of a subunit Nipah virus vaccine adjuvanted with polyphosphazene and administered via the intranasal route

Dominique Promeneur¹, Glorie Lazaro¹, Becky Nowak¹, Alexander Marin², Nairuti Patel¹, Stefan Hamm¹, Alexander Andrianov², Victor Leyva Grado^{*1}, ¹AuroVaccines LLC, USA, ²Institute for Bioscience and Biotechnology Research, USA

- [P2.028] Determinants of COVID-19 vaccine early acceptance and non-acceptance among health care workers based at a tertiary care institution, New Delhi, India

 Sumit Malhotra*, Kalaivani Mani, All India Institute of Medical Sciences, New Delhi, India
- [P2.029] Co-administration of OVX836, NP-based universal influenza vaccine candidate, with conventional habased influenza vaccine: results of phase 2a clinical trial

Paul Willems, Jessika Tourneur, Delphine Guyon-Gellin, Alexandre Le Vert*, Florence Nicolas, *Osivax, France*

[P2.030] Evaluation of two infectious Bovine Rhinotracheitis (IBR) marker vaccines against Bubaline Alphaherpesvirus 1 (BuHV-1) in water buffalo (Bubalus bubalis) after challenge infection with wild-type buHV-1

Giovanna Cappelli¹, Stefano Petrini^{*2}, Carlo Grassi¹, Giovanna De Matteis³, Francesco Grandoni³, Giorgio Galiero¹, Giovanna Fusco¹, Esterina De Carlo¹, Alessandra Martucciello¹, ¹Istituto Zooprofilattico Sperimentale del Mezzogiorno, Italy, ²Istituto Zooprofilattico Sperimentale Umbria-Marche, "Togo Rosati,", Italy, ³CREA-Council for Agricultural Research and Economics-Research Centre for Animal Production and Aquaculture, Italy

[P2.031] Assessing the feasibility of school-based vaccination screening and catch-up vaccination in 2 districts in Zambia

Alvira Z Hasan*1, Aliness M Dombola², Christine Prosperi¹, Webster Mufwambi², Rodgers Sakala², Kelvin Kapungu², Gershom Chongwe², Prachi Singh¹, Qiulin Wang¹, Megan P Powell¹, Kennedy Siputuma³, Malalu Mulundika³, Stella Chewe³, Chisanga Mpundu³, Francis Mwansa⁴, Constance Sakala⁴, Elicah Kamiji⁴, Shaun A Truelove¹, William J Moss¹, Simon Mutembo¹, ¹Johns Hopkins University, USA,²Tropical Diseases Research Centre, Zambia,³Ministry of Education, Government of Republic of Zambia, Zambia, Zambia

[P2.032] Cross-reactivity of the immune response triggered in a phase 2 study by a novel, broad-spectrum influenza vaccine candidate

Philippe Moris, Charlotte Primard, Alexandre Le Vert*, Florence Nicolas, *Osivax, France*

[P2.033] Challenges and communication strategies in COVID-19 vaccination: Insights from vaccinators in Tuscany, Italy Vieri Lastrucci*1, Giorgia Alderotti2, Martina Corvo1, Primo Buscemi3, Guglielmo Bonaccorsi3, Chiara Lorini3, Maria José Caldes2, 1Meyer Children's hospital IRCCS, Italy,2Meyer Children's Hospital IRCCS, Italy,3University of Florence, Italy

[P2.034] Rotavirus vaccine product switch: Experience of 4 states of India

Amanjot Kaur¹, Arindam Ray², Amrita Kumari^{*1}, Syed F. Qaudri¹, Rashmi Mehra¹, Seema Singh Koshal¹, Rhythm Hora¹, Pradeep Haldar¹, Arup Deb Roy¹, ¹John Snow Inc India, India, ²Bill & Melinda Gates Foundation India, India

[P2.035] Comparative analysis for antibody persistence after OPV, sIPV and cIPV received in Japan

Fuka Kikuchi*1,2, Ai Hayashi^{1,3}, Satoru Arai¹, Michiya Hasegawa⁴, Yasutaka Yamashita⁵, Masae Itamochi⁶, Miyabi Ito⁷, Emi Hirose⁵, Atsuko Sakurai⁸, Yoko Ikeda⁹, Yuji Hanada¹⁰, Mami Nagashima⁴, Yuka Ootsuka⁵, Noriko Aoki⁵, Hideki Tani⁶, Katsuhiko Sato⁷, Rika Komagome⁸, Yoko Aoki⁹, Hidetaka Yoshizumi¹⁰, Minetaro Arita¹, Hajime Kamiya¹, Motoi Suzuki¹, ¹National Institute of Infectious Diseases, Japan, ²Tokyo University of Agriculture and Technology, Japan, ³Tohoku University School of Medicine, Japan, ⁴Tokyo Metropolitan Institute of Public Health, Japan, ⁵Ehime Prefectural Institute of Public Health and Environmental Science, Japan, ⁶Toyama Institute of Health, Japan, ⁸Hokkaido Institute of Public Health, Japan, ⁹Yamagata Prefectural Institute of Public Health, Japan, ¹⁰Chiba Prefectural Institute of Public Health, Japan

[P2.036] Enablers and barriers to rotavirus vaccine coverage in Assam, India- A qualitative study

Rashmi Mehra¹, Arindam Ray², Sabita Das³, Biman Kusum Chowdhury³, Seema Singh Koshal¹, Rhythm Hora¹, Amrita Kumari^{*1}, Amanjot Kaur¹, Syed F Quadri¹, Arup Deb Roy¹, ¹John Snow Inc India, India, ²Bill & Melinda Gates Foundation India, India, ³Government of Assam, India

[P2.037] Influenza vaccine hesitancy among healthcare workers in a tertiary care hospital in India: preliminary results of an ongoing study

Rakesh Kumar*, Ritvik Amarchand, Prerna Malik, Vijaydeep Siddharth, Anand Krishnan, *All India Institute of Medical Sciences, New Delhi, India*

- [P2.038] Dynamics of lymphocyte subsets during the COVID-19 vaccination process in Japanese general population

 Takuma Furukawa*1, Goki Yamada², Akiko Matsumoto¹,
 Chiharu Iwasaka¹, Takeshi Sawada¹, Mikiko Tokiya¹, Mikako
 Horita¹, Megumi Hara¹, ¹Saga University, Japan,²Kagoshima
 University, Japan,³National Institutes of Biomedical Innovation,
 Health and Nutrition, Japan
- [P2.039] Study of the ability of passive immunity to induce clinical protection against *Bovine alphaherpesvirus-1* (BoHV-1) after challenge infection with wild-type (wt) BoHV-1

Cecilia Righi*1, Alessandra Martucciello², Paola Gobbi¹, Giovanna Cappelli², Giulia Costantino¹, Silvia Pirani¹, Michela Pela¹, Carlo Grassi², Monica Giammarioli¹, Giulio Viola³, Esterina De Carlo², Francesco Feliziani¹, Stefano Petrini¹, ¹National Reference Centre for Infectious Bovine Rhinotracheitis (IBR), Istituto Zooprofilattico Sperimentale Umbria-Marche, "Togo Rosati," Perugia, Italy, Italy,²National Reference Centre for Hygiene and Technology of Breeding and Buffalo Production, Istituto Zooprofilattico Sperimentale del Mezzogiorno, Salerno, Italy, Italy,³Veterinary Practioner, Macerata, Italy, Italy

[P2.040] Comprehensive pictorial holistic packaging of information aided with indigenous tools for behavior change interventions helped in reducing vaccine hesitancy among parents or caretakers in Uttar Pradesh, India

Rina Dey*, Dr. Roma Solomon, Abhishek Gupta, *CORE Group Partners Project, India*

[P2.041] Lot quality assurance sampling for field monitoring of a new vaccine: a pilot study

Rhythm Hora*1, Arindam Ray², Rashmi Mehra¹, Seema Singh Koshal¹, Amrita Kumari¹, Syed F Quadri¹, Amanjot Kaur¹, Pradeep Haldar¹, Arup Deb Roy¹, ¹John Snow Inc India, India, India, India

[P2.042] Factors associated with not uptake of COVID-19 vaccine and vaccine hesitancy among people with severe mental illness in Bangladesh

Asiful Chowdhury*1, Alex Mitchell², Helal Uddin Ahmed³, Amina Khan⁴, A. T. Nizami⁵, Gerardo A. Zavala², Najma Siddiqi²,6,7, Kamran Siddiqi²,6, Rumana Huque¹, ¹ARK Foundation, Dhaka, Bangladesh, Bangladesh,²Department of Health Sciences, University of York, York UK, UK,³National Institute of Mental Health & Hospital, Dhaka, Bangladesh, Bangladesh, Pakistan, Pakistan,⁵Institute of Psychiatry (IoP), Rawalpindi, Pakistan, Pakistan, Hull York Medical School, UK, UK,¹Bradford District Care NHS Foundation Trust, UK, UK

[P2.043] Post-vaccine HAI antibody kinetics are driven by preexisting immune status

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- [P2.044] The development and evaluation of theory-based social media intervention using a human-centred design approach to address vaccine hesitancy: a case study of Chinese students in the UK
 - Lan Li^{*}, Patty Kostkova, *University College London, UK*

[P2.045] Rapid field assessment to understand the low reporting of newly introduced vaccine in the UIP of Gujarat, India

Seema Singh Koshal¹, Arindam Ray², Divya Rathee¹, Rashmi Mehra¹, Amanjot Kaur¹, Rhythm Hora^{*1}, Amrita Kumari¹, Syed F. Quadri¹, Pradeep Haldar¹, Arup Deb Roy¹, ¹John Snow Inc India, India, ²Bill & Melinda Gates Foundation India, India

[P2.046] Post-vaccination clinical safety and immunogenicity of maternal purified Respiratory Syncytial Virus (RSV) of protein vaccine administration in pregnant women: meta-analysis of randomised trials

Muhammad Pradhika Mapindra^{*1}, Muhammad Pradhiki Mahindra², Howard Clark², Jens Madsen², ¹University College London Institute for Women's Health, UK, ²University College London Institute for Women's Health, UK

[P2.047] SARS-CoV-2 vaccine hesitancy in China: A national cross-sectional survey in community setting

Tianshuo Zhao*1, Xikun Li², Zhuangye Wang³, Li Wang⁴, Wenguo Jiang⁵, Yu Ha⁶, Hui Li³, Linyi Chen¹, Xianming Cai¹, Yaqiong Liu¹, Qingbin Lu¹, Fuqiang Cui¹, ¹Peking University School of Public Health, China,²Harbin First Specialized Hospital, China,³Dezhou Center for Disease Control and Prevention, China,⁴Suzhou Center for Disease Control and Prevention, China,⁵Jining Center for Disease Control and Prevention, China,⁵Jiuzhangou Center for Disease Control and Prevention, China,⁵Gansu Provincial Center for Disease Prevention and Control, China

[P2.048] The Vaccine Training Barometer: An online survey tool for assessing Healthcare providers' training needs and confidence in answering vaccine-related questions Greet Hendrickx*, Sara Valckx, Aurélie De Waele, Pierre Van Damme, University of Antwerp, Belgium

[P2.049] Influenza vaccination uptake in the Netherlands: a qualitative study among health care workers and elderly in Amsterdam

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[P2.050] Impact of statins on Influenza-Like Illness by influenza vaccination status in adults aged 65y and older: a cohort study using the UK Clinical Practice Research Datalink

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- [P2.051] Real-world effects of statins at the time of influenza vaccination on the risk of acute respiratory infections and pneumonia in older adults: a cohort study using the UK Clinical Practice Research Datalink

 William Henley*1, Adam Streeter2,3,1, Andrea Shelly1, Ian Wellaway4, Lauren Rodgers1, Sarah Walker1, Fergus Hamilton5, William Hamilton1, 1University of Exeter Medical School, UK,2University of Münster, Germany,3University of Plymouth, UK,4University of Exeter, UK,5University of Bristol, UK
- [P2.052] Immunogenicity, safety and tolerability of intradermal COVID-19 vaccination strategy in immunocompromised patients: a prospective, randomized trial Ruiqi Zhang*, Ka-Wa Khong, Ka-Yi Leung, Danlei Liu, Yujing Fan, Hoi-Yan Lam, Linlei Chen, Xiaochun Xie, Brian Pui-Chun Chan, Kelvin Kai-Wang To, Kwok-Yung Yuen, Kwok-Hung Chan, Ivan Fan-Ngai Hung, *University of Hong Kong, Hong Kong*
- [P2.053] Building up facilitators, breaking down barriers: a narrative review mapping behavioral factors that impact vaccine trial participation

 Toni Claessens*, Aurélie De Waele, Greet Hendrickx, University of Antwerp, Belgium
- [P2.054] Associations between vaccine attitudes and COVID-19 precautionary behaviors: A social network study from the northeastern United States

 Aditya Khanna*1, Mollie Monnig², Tori Davis², Peter Monti¹,

 ¹Brown University School of Public Health, USA,²Brown University School of Public Health, USA
- [P2.055] Exploring vaccine hesitancy towards COVID-19 vaccine among Métis Nation of Ontario citizens using latent class analysis

Ashok Chaurasia¹, Kim Eliane², Keith King^{*3}, Shelley Gonneville⁴, Sarah Edwards², Ornell Douglas¹, Jeff Kwong^{2,5}, Graham Mecredy², Jennifer Walker^{2,6}, Martin Cooke¹, ¹University of Waterloo, Canada, ²Institute for Clinical Evaluative Sciences, Canada, ³University of Alberta, Canada, ⁴Métis Nation of Ontario, Canada, ⁵University of Toronto, Canada, ⁶McMaster University, Canada

[P2.056] The vaccination equity education coalition: experiential education on vaccine confidence to advance health and digital equity for all

Hajar Shirley^{*1,2}, Kaitlyn Camperlino², ¹Rutgers University, USA, ²inclusive Health Innovation Together, USA

[P2.057] Perspectives on vaccination among Métis Nation of Ontario citizens who remain unvaccinated

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[P2.058] Confidence, complacency and collective responsibility were important factors for COVID-19 vaccination among Métis Nation of Ontario Citizens

Keith King*1, Hira Khan², Shelley Gonneville³, Sarah Edwards², Ashok Chaurasia⁴, Ornell Douglas⁴, Jeff Kwong²,⁵, Graham Mecredy², Jennifer Walker²,⁶, Martin Cooke⁴, ¹University of Alberta, Canada,²Institute for Clinical Evaluative Sciences, Canada,³Métis Nation of Ontario, Canada,⁴University of Waterloo, Canada,⁵University of Toronto, Canada,⁶McMaster University. Canada

- [P2.059] In shots we trust: Vaccination as a tool for American diplomacy then and now
 - Sara Jane Samuel*, *Columbia University, USA*
- [P2.060] Assessing community and individual drivers of vaccination- Adapting and applying the BeSD framework to identify enablers and barriers to COVID-19 vaccination in India

Gopal Krishna Soni¹, Surbhi Seth^{*1}, Sonal Kakkar¹, Jessica Shearear², Sanjay Kapur¹, Grace Chee³, ¹John Snow India, India, ²PATH, USA, ³John Snow Inc Washington DC, USA

- [P2.061] Swine Fc-conjugated serotype O foot-and-mouth disease virus-like particles play an important role in host inflammatory responses via PPAR α

 Hye-Mi Lee*, Jae-Yeon Park, Hyun-Jin Shin, Chungnam National University, Republic of Korea
- [P2.062] Adenovirus mediated expression of porcine epidemic diarrhea virus (PEDV) s1-ferritin nanoparticles induced significant neutralizing antibody response against PEDV in mouse models

 M. S. B. W. T. M. Nipuna Sudaraka Tennakoon*, Hyun-Jin Shin, Chungnam National University. Republic of Korea
- [P2.063] New vaccine development for foot and mouth disease by virus like particles conjugated with swine fc molecule

 Jae-Yeon Park*, Hyun-Jin Shin, Chungnam National University, Republic of Korea
- [P2.064] Design and development of a multi-epitope vaccine prototype against SARS-CoV-2

 Iliyan Manoylov¹, Nikolina Mihaylova¹, Nikola Ralchev¹, Silviya Bradyanova¹, Mariyana Atanasova², Ivan Dimitrov², Irini Doytchinova², Vladimir Petkov³, Sonya Tsibranska³, Slavka Tcholakova³, Andrey Tchorbanov^{*1}, ¹Bulgarian Academy of Sciences, Bulgaria, ²Medical University-Sofia, Bulgaria, ³Sofia University, Bulgaria
- [P2.065] Addressing vaccine hesitancy: planning for annual COVID-19 vaccination among inner city residents in Vancouver, Canada

 Brian Conway*1,2, Shawn Sharma¹, Girogia Toniato¹, Shana Yi¹, Rossitta Yung¹, ¹Vancouver Infectious Diseases Centre, Canada,²Simon Fraser University, Canada
- [P2.066] Long-term vaccine durability of COVID-19 vaccines
 Kirsty Morrison*1, Lucy Cullen¹, Emmanuel Ezeoke², Vera
 Chua², Allan James², Christopher Sullivan², Ross McQueenie²,
 Kimberly Marsh², ¹Public Health Scotland, UK,²Public Health
 Scotland Glasgow Office, UK

[P2.067] Qualitative analysis of COVID-19 vaccine errors in Scotland, December 2020 to March 2023

Laura Macdonald*1, Cheryl Gibbons1, Michelle Falconer1, William Malcolm^{2,1}, Esme Wright1, Mike Birnie1, Kat Karacaoglu1, Marianne Alsina2, Claire Cameron1, 1Public Health Scotland Glasgow Office, UK,2NHS National Services Scotland, UK

[P2.068] Proposal to adopt a new joint external evaluation tool to build vaccine confidence

Lawrence Stanberry*1, Tariro Makadzange², Wilmot James³, Janan Dietrich⁴, Susan Rosenthal¹, Natalia Pasternak Taschner⁵, Shabir Madhi⁴, ¹Columbia University Irving Medical Center, USA,²Mutala Research, Zimbabwe,³Brown University, USA,⁴University of the Witwatersrand Johannesburg, South Africa,⁵Instituto Ouestão de Ciência, Brazil

[P2.069] Global and regional burden of attributable and associated bacterial antimicrobial resistance avertable by vaccination: modelling study

Chaelin Kim¹, Marianne Holm², Isabel Frost³, Mateusz Hasso-Agopsowicz³, Kaja Abbas^{*1}, ¹London School of Hygiene & Tropical Medicine, UK,²International Vaccine Institute, Republic of Korea,³World Health Organisation, Switzerland

[P2.070] Safety evaluation in pregnant ewes of the Rift Valley Fever live-attenuated vaccine candidate 40Fp8

Pedro J. Sanchez-Cordon*1, Celia Alonso¹, Oscar García García², Rafael Gonzalez Cano³, Belen Borrego¹, Alejandro Brun¹, ¹Animal Health Research Center, Spain,²National Association of Breeders of Manchegan Sheep (AGRAMA), Spain,³Regional Institute of Castilla-La Mancha for Agri-Food and Forest Research and Development (IRIAF), Spain

[P2.071] Reliable intradermal vaccination with VAX-ID using prediction models for controlled depth allowing use of fractional dose as part of pandemic preparedness programs

Koen Beyers*, Daniele Scalco Vasconcelos, Momen Rbeihat, Vanessa Vankerckhoven, *Idevax BV, Belgium*

- [P2.073] Co-administration of COVID-19 and flu vaccines in Scotland: Enablers, and assessment of uptake
 Nuala Healy¹, Debbie Maguire², Graham McGowan³, Claire Cameron*¹, Lorna Willocks⁴, ¹Public Health Scotland, UK, ²Scottish Government Population Health Directorate, UK, ³Public Health Scotland, UK, ⁴Scottish Government, UK
- [P2.074] Understanding the working modalities of Neglected Tropical Diseases (NTDs): a leverage mechanism for implementing COVID-19 vaccine awareness and uptake in Yobe and Ebonyi states

 Sidney Sampson, Sunday Atobatele, Akolade Jimoh*, Saheed Isiaka, Sydani Group, Nigeria
- [P2.075] Peptide-encapsulated PLGA nanoparticles as a novel vaccine strategy against Leishmania infantum
 Clara Hurtado-Morillas*, Alicia Mas, José A Orden, Javier
 Carrión, Abel Martínez-Rodrigo, Gustavo Domínguez-Bernal,
 Complutense University of Madrid, Spain
- [P2.076] Intranasal delivery of Salmonella OMVs decorated with Chlamydia trachomatis antigens induces specific local and systemic immune responses in mice

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[P2.077] Real-world-evidence on different COVID-19 vaccines combinations' effectiveness in six electronic healthcare data sources from four pan-European countries

Fabio Riefolo*1,2, Belén Castillo Cano3, Mar Maria Martin3, Davide Messina⁴, Roel Elbers⁵, Dorieke Brink-Kwakkel⁵, Felipe Villalobos⁶, Ylenia Ingrasciotta⁷, Patricia Garcia-Poza³, Karin Swart-Polinder⁸, Patrick Souverein⁹, Luis Carlos Saiz¹⁰, Carlo Alberto Bissacco⁶, Leire Leache¹¹, Michele Tari¹², Salvatore Crisafulli⁷, Elisa Barbieri¹³, Luca Stona¹⁴, Xavier Garcia de Albeniz 15 , Satu Siiskonen 16 , Lamiae Grimaldi 17 , Tiago Vaz 5 , Rosa Gini^{4,2}, Olaf Klungel⁹, Elisa Martin Merino^{3,2}, ¹Teamit Institute, Partnerships, Barcelona Health Hub, Barcelona, Spain, ²VAccine monitoring Collaboration for Europe, Brussels, Belgium,³Spanish Agency of Medicines and Medical Devices-AEMPS, Madrid, Spain, ⁴Agenzia Regionale di Sanita' Toscana, Florence, Italy, ⁵University Medical Center Utrecht, The Netherlands, ⁶Fundació Institut Universitari per a la recerca a l'Atenció Primària de Salut Jordi Gol i Gurina (IDIAPJGol), Barcelona, Spain, ⁷University of Verona, Italy, ⁸PHARMO Institute for Drug Outcomes Research, Utrecht, The Netherlands, ⁹Utrecht University, The Netherlands, ¹⁰Navarre Health Service, Pamplona, Spain, 11 Navarre Health Service, Spain, ¹²Caserta Local Health Unit, Caserta, Italy, ¹³University of Padua, Italy, ¹⁴Fondazione Penta ONLUS, Padova, Italy, 15 RTI-Health Solutions, Barcelona, Spain, 16 Utrecht Institute for Pharmaceutical Sciences, The Netherlands. ¹⁷ l'Assistance Publique-Hôpitaux de Paris (APHP). University Paris-Saclay, Paris, France

[P2.078] Immunogenicity and protective efficacy of recombinant porcine epidemic diarrhoea virus spike protein

Hsing Chieh Wu, Doan Thi Thu Dung, Min Kung Hsu, Hsian Yu Wang, Chun Yen Chu^{*}, *National Pingtung University of Science* and Technology, Taiwan

[P2.079] A systematic review of barriers and enablers associated with uptake of influenza vaccine among care home staff

Faisal Alsaif^{*1}, Michael Twigg¹, Sion Scott², Annie Blyth¹, David Wright², Amrish Patel¹, ¹University of East Anglia, UK, ²University of Leicester, UK

[P2.080] EBHS recombinant vaccine prototype: development and standardization of a simple and cost-effective production procedure

Claudia Colabella*, Lucia Anzalone, Elisabetta Manuali, Rosario Liberti, Antonella Di Paolo, Giulio Severi, Monica Cagiola, Antonio De Giuseppe, *Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati"*, *Italy*

[P2.081] Factors associated with trust and acceptance of mRNA technology: A review of current evidence

Ana Bolio*, Prima Alam, Heidi Larson, London School of Hygiene & Tropical Medicine, UK

[P2.082] Oral cholera vaccine coverage following a targeted mass-campaign in Goma, Democratic Republic of the Congo

Emily Briskin*1, Stéphane Hans Bateyi Mustafa², Rachel Mahamba³, Laurent Akilimali⁴, Deka Kabunga⁵, Janvier Kubuya⁵, Klaudia Porten¹, Placide Okitayemba Welo⁴, Anaïs Broban¹, ¹Epicentre, France,²National Vaccination Program, Democratic Republic of Congo,³MSF/Epicentre, Democratic Republic of Congo,⁴National Plan for Cholera Elimination (PNECHOL), Democratic Republic of Congo,⁵Provincial Health Division, Democratic Republic of Congo

[P2.083] Factors affecting oral cholera vaccination status after a mass preventative campaign in rural Bukama health zone, Democratic Republic of the Congo, 2022

Emily Briskin*1, Toto Kyungu², Etienne Numbi³, Nelson Kasongo⁴, Patient Kamavu⁴, Rachel Mahamba⁴, Klaudia Porten¹, Patrick Banza Mpiong², Laurent Akilimali⁵, Placide Okitayemba Welo⁶, Anaïs Broban¹, ¹Epicentre, France,²Provincial Health Division, Haut-Lomami, Democratic Republic of Congo,³Bukama Health Zone, Democratic Republic of Congo,⁴MSF/Epicentre, Democratic Republic of Congo,⁵National Vaccination Program, Democratic Republic of Congo,⁶National Plan for Cholera Elimination (PNECHOL), Democratic Republic of Congo

[P2.084] Waning of specific antibodies against Delta and Omicron variants five month after a third dose of BNT162b2 SARS-CoV-2 vaccine in elderly individuals

Yun Shan Goh*1, Angeline Rouers¹, Siew-Wai Fong¹, Nicole Zhuo², Pei Xiang Hor¹, Chiew Yee Loh¹, Yuling Huang¹, Vanessa Neo¹, Isaac Kam¹, Bei Wang², Eve Ngoh², Siti Nazihah Mohd Salleh², Raphael Lee³, Surinder Pada⁴, Louisa Sun⁵, Desmond Ong⁶, Jyoti Somaniⁿ, Eng Sing Lee³, Sebastian Maurer-Stroh³, Cheng-I Wang², Ee Chee Ren², Yee Sin Leo⁶, David Lye⁶, Barnaby Young⁶, Lisa Ng¹, Laurent Renia¹, ¹A*STAR ID Labs, Singapore,²Singapore Immunology Network, Singapore,³Bioinformatics Institute, Singapore,⁴Ng Teng Fong General Hospital, Singapore,⁵Alexandra Hospital, Singapore,⁶National University Polyclinic, Singapore,ⁿNational University of Singapore, Singapore,⁶National Healthcare Group Polyclinics, Singapore, Singapore,⁶National Centre for Infectious Diseases, Singapore

[P2.085] Heterologous prime-boost Zika virus vaccination supplies a comprehensive humoral and cellular immunity in mouse model

Giuditta De Lorenzo*1,2, Rapeepat Tandavanitj^{1,3}, Lorena Preciado-Llanes⁴, Ricardo Sanchez-Velazquez¹, Raissa Prado Rocha⁴, Young Chan Kim⁴, Arturo Reyes-Sandoval^{4,5}, Arvind Patel¹, ¹MRC-University of Glasgow Centre for Virus Research, UK,²AREA Science Park, Italy,³Research and Development Institute, Thailand,⁴University of Oxford, UK,⁵Instituto Politécnico Nacional, Mexico

- [P2.086] Effectiveness of HPV vaccination in preventing high grade cervical disease and cancer diagnoses in Wales
 Lauren O'Gorman*1, Malorie Perry1, Simon Cottrell1, Katie
 Walbeoff2, Dyfed Huws3, Helen Clayton4, Louise Richards5,

 1 Public Health Wales Vaccine Preventable Disease
 Programme, UK,2 Public Health Wales Cervical Screening
 Wales, UK,3 Public Health Wales Welsh Cancer Intelligence and
 Surveillance Unit, UK,4 Public Health Wales Informatics
- [P2.087] Validation of a double-color ELISpot assay of IFN-γ and IL-4 production in human Peripheral Blood Mononuclear Cells

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- [P2.088] Establishment and validation of a high-throughput micro-neutralization assay for Respiratory Syncytial Virus (subtypes A and B)

 Leonardo Armini*, VisMederi srl, Italy, University of Siena, Italy
- [P2.090] The Cedar Project: Vaccine perceptions and the impact of colonialism on COVID-19 vaccine uptake among Indigenous People who use drugs in British Columbia Chenoa Cassidy-Matthews*1,2, David Zamar², Sherri Pooyak³, Margo Pearce⁴, Jeffrey Reading⁵, Martin Schechter¹, Patricia Spittal¹,², ¹The University of British Columbia, Canada,²BC Children's Hospital Research Institute, Canada,³University of Victoria, Canada,⁴Fraser Health, Canada,⁵Simon Fraser University, Canada

[P2.091] Effectiveness of second BNT162b2 mRNA booster doses in protecting against SARS-CoV-2 infection during the Omicron sub-variant waves; the UK SIREN study June 2022 to March 2023

Sarah Foulkes¹, Peter Kirwan², Victoria Hall^{*1}, Ferdinando Insalata¹, anne presanis², Andre Charlett¹, daniela de Angelis², Susan Hopkins¹, ¹UK Health Security Agency, UK, ²University of Cambridge, UK

[P2.092] Progress towards a virus-free polio vaccine: a virus-like particle (VLP) vaccine as a safe alternative to current vaccines

David Rowlands, Nicola Stonehouse, Pedro Martín-Reyes*, *University of Leeds, UK*

[P2.093] The CATCH-UP study; determinants of HPV vaccine uptake in a Dutch campaign for young adults Chaja Kater*, Adriette Oostvogels, Dirk Hoevenaars, Milly Haverkort. GGD Kennemerland. The Netherlands

- [P2.094] Levels of confidence, complacency, constraints and collective responsibility predict COVID-19 vaccination behaviour amongst South African school educators

 Kesentseng Mahlaba*, Dineo Mmakgwale, Maria Kau,
 Rosemary Burnett, Johanna Meyer, Sefako Makgatho Health Sciences University, South Africa
- [P2.095] Seasonal influenza virus vaccine effectiveness through recombinant neuraminidase on VLPs

 Leticia Guzman Ruiz*1, Irene Hoxie², Miriam Klausberger¹, Florian Krammer², Alois Jungbauer¹, Reingard Grabherr¹, ¹University of Natural Resources and Life Sciences Vienna, Austria,²The Mount Sinai Hospital, USA,³Austrian Centre of Industrial Biotechnology, Vienna, Austria

[P2.096] Bivalent SARS-CoV-2 mRNA vaccination provides optimal protection against XBB.1 infection in a murine challenge model

Jordan Clark^{*}, Michael Scherm, Nisreen Okba, Brian Monahan, Juan Manuel Carreño, Anass Abbad, Viviana Simon, Florian Krammer, *Icahn School of Medicine at Mount Sinai, USA*

[P2.097] The epidemiological profile of typhoid fever in Greater Glasgow and Clyde between April 2014 and March 2023: evidence of the intercontinental spread of extensively-drug resistant typhoid fever from Pakistan to Scotland

Jacob Asplin*, NHS Greater Glasgow and Clyde, Public Health Protection Unit, UK

[P2.098] Sociodemographic and economic factors associated with the willingness to accept a free COVID-19 vaccine among households in Nigeria

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[P2.099] Measles susceptibility in Scotland: preventing a resurgence

Cheryl Gibbons*, Melissa Llano, Neil Perkins, Salomi Barkat, Laura MacDonald, Michelle Falconer, Claire Cameron, *Public Health Scotland*, *UK*

[P2.100] Differential antibody dynamics to multiple MPOX antigens following two doses of MVA-BN (IMVANEX) in a longitudinal cohort

Bethany Hicks^{*1}, Scott Jones², Cathy Rowe², Ashley Otter³, ¹UK Health Security Agency, UK, ²UK Health Security Agency, UK, ³UK Health Security Agency, UK

[P2.101] Opt-out vaccination of COVID-19 in selected municipalities in Japan

Hiroshi Nishura*, Kyoto University, Japan

[P2.102] Emphasizing the importance of Shariah Islamic perspectives in vaccine manufacturing

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