

IFPA 2026 Abstract Acceptance

2026/6/22

Submission Id	Presentation Type	Title
1	Poster	Nitrite Restores Endothelial Migration in an In Vitro Model of Preeclampsia
3	Poster	Enhancing Diagnostic Accuracy in Placental Pathology: A Comparative Analysis of Retrieval-Augmented Generation (RAG) vs. Standard Large Language Models Using Peer-Reviewed Standardized Examinations
4	Poster	Comparative Analysis of Large Language Models' Proficiency in Placental Pathology
5	Poster	Levels of Endothelin-1 and Nitric Oxide in HIV-Infected Women with and without Pre-eclampsia in South Africa
6	Poster	Massive Subchorionic Thrombohematoma (Breus' Mole): A Nationwide Multicenter Retrospective Study in Japan
7	Poster	Temporal changes in placental-specific C19 MC miRNAs following gestational diabetes diagnosis: A pilot longitudinal study
8	Poster	Galectin profile at the maternal-fetal interface in pregnant women living with HIV-1 and their exposed newborns
9	Poster	Proteome Analysis of Daily Urine Samples of Pregnant Rats Unveils Developmental Processes of Fetus as Well as Physiological Changes in Mother Rats
10	Oral	Challenge to the extracellular vesicle-centric paradigm of placental-maternal communication by trophoblast-derived extracellular nanoparticles as important extracellular immunoregulatory cargo carriers
11	Poster	Fetal-derived CSA is upregulated in response to placental malaria and associated with lower birthweight
12	Poster	Integrating Clinical Environmental Risk Profiling with a Computational Framework to Assess Placental Risk in Pregnancy
13	Poster	PLACENTAL TRANSCRIPTOME IN ANTENATALLY DIAGNOSED FETAL GROWTH RETARDATION IN IDIOPATHIC AND PREECLAMPSIA CASES VS TERM APPROPRIATE FOR GESTATIONAL AGE CONTROL CASES
14	Poster	WHOLE EXOME SEQUENCING IN NEONATES AND CLINICAL ASSOCIATIONS IN ANTENATALLY DIAGNOSED FETAL GROWTH RETARDATION DUE TO IDIOPATHIC CAUSE AND PRE-ECLAMPSIA AND ASSOCIATED PLACENTAL ABNORMALITIES
15	Poster	COMPARISON OF CLINICAL CHARACTERISTICS, PLACENTAL CHARACTERISTICS AND NEURODEVELOPMENTAL OUTCOME AT 1 YEAR IN ANTENATALLY DIAGNOSED FETAL GROWTH RETARDATION DUE TO PREECLAMPSIA AND IDIOPATHIC CAUSES.
16	Poster	Microfluidic in-vitro model of human brucellosis at the maternal-fetal axis to study infection dynamics and antibiotic treatment during pregnancy
17	Poster	iPSC-based Preeclampsia Model Reveals Inflammation Induced Trophoblast Invasion Defects and Pharmacologic Rescue Strategy
18	Poster	Aryl hydrocarbon Receptor signaling in the human trophoblast links environmental sensing with placental immune and endocrine functions
19	Poster	Decidual Natural Killer cells utilize granulysin to control placental infection
20	Poster	EFFECTS OF NOVEL BIOMASS-DERIVED ELECTROACTIVE ORGANIC MOLECULES ON PLACENTAL ENDOCRINE SIGNALING.
21	Poster	β 3-Adrenergic Receptor Agonist Vibegron Reduces Fetoplacental Vascular Tone in Preeclamptic Human Placental Perfusion
22	Poster	Sex differences in human placental function
23	Poster	Single-Agent Chemotherapy for a Subset of High-Risk Gestational Trophoblastic Neoplasia with FIGO Scores of 7-8
24	Poster	Activation of the TGF β 1/SOX9/SORBS2 axis drives epithelial-mesenchymal transition in the amnion of human fetal membranes at parturition
25	Poster	From Antioxidant to Anti-tumor Weapon: Melatonin Triggers Oxidative Damage in BeWo Cell
26	Poster	Alpha-1-antitrypsin enriched in placental trophoblast-derived supermeres suppresses pro-inflammatory cytokine IL-12 production in monocytes
27	Poster	Dysfunctional decidual CD4+T cells regulated by GPI-modified CD58 in decidual stromal cells underlies sleep disturbance induced recurrent pregnancy loss

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28	Poster	Dysfunctional decidual CD4+T cells induce recurrent pregnancy loss via palmitoylation-dependent Tim-3 lysosomal sorting and degradation
29	Poster	Immunologically Hot or Cold? A New Perspective on Immune Subtyping in Human Placenta.
30	Poster	Placental EV miRNAs fail to induce reporter suppression in recipient cells
31	Poster	Valproic acid impairs trophoblast syncytialization by disrupting the Leptin-SLC6A19 axis
32	Poster	PFOS Exposure Associates with Preeclampsia and Selectively Impairs Placental System A Amino Acid Transport via SNAT2
33	Oral	Fetal sex and growth restriction program tumor microenvironmental response to pancreatic cancer
34	Poster	Placental C14MC MicroRNAs regulate genes involved in oxidative phosphorylation and are associated with Spontaneous Preterm birth
35	Poster	Trophoblast Extracellular Vesicles: Route-Dependent Immunomodulation in Pregnancy
36	Oral	Prenatal Zika Virus Exposure Causes Selective Cortical Neuronal Loss in Rhesus Macaques
37	Poster	Gestational Timing and Antiviral Treatment Affect Fetal Outcomes in Macaque Pregnancy Mpox Infection
38	Poster	Applying cellular deconvolution to understand the associations between placental cell proportions and birth outcomes
39	Poster	DEHP induces VSMC-derived foam cell formation: implications for acute atherosclerosis development
40	Poster	Placental oxidative stress links mild maternal diabetes with offspring liver disease
41	Poster	INST1 effects on early placentation events using a human ex-vivo model.
42	Poster	Risk Factors for Thromboembolism in Gestational Trophoblastic Neoplasia
43	Oral	Establishment of human trophoblast stem cells from term smooth chorion
44	Poster	MicroRNA expression profiles in complete hydatidiform mole for predicting progression to gestational trophoblastic neoplasia.
45	Oral	Placental release of sFlt-1 and PlGF is not increased in acute fatty liver of pregnancy
46	Poster	Clinical Utility of the sFlt-1/PlGF Ratio Test in the Management of Chronic Placental Disorders of Human Pregnancy
47	Poster	Modeling Maternal Stress and Metabolic Exposures Using Term Placenta-Derived Trophoblast Organoids
48	Poster	Transglutaminase activity contributes to trophoblast cell behavior in vitro
49	Poster	Efficacy and potency of additional Keishi-Bukuryogan administration for refractory retained products of conception: a case series report
50	Poster	Saireito attenuates inflammatory and oxidative stress signaling and preserves trophoblast function in models relevant to preeclampsia
51	Poster	Disruption of fetoplacental endocannabinoid and glucocorticoid levels by maternal cannabis exposure
52	Poster	In vitro human placental models for screening placental toxicity and assessing placental barrier permeability
53	Oral	Placental fitness in advanced maternal age: insights from trophoblast organoids

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54	Poster	HHV-6A and HHV-6B infection of primary human trophoblast cells resembles molecular features of the preeclampsia transcriptome
55	Poster	What is (and is not) a placenta? Rethinking convergent placental evolution
56	Oral	Precision cut placenta slices – a novel, advanced model of the human placenta and decidua
57	Poster	Bi-directional transfer of amenamevir across term human placenta and its effect on placental functions.
58	Poster	Clinical and Molecular analysis of Hypertensive Disorders of Pregnancy placenta with and without Maternal Vascular Malperfusion
59	Poster	Investigation of the pathogenesis of non-previa placenta accreta spectrum in pregnancies conceived through frozen embryo transfer during a hormone replacement cycle
60	Poster	A vascularised, immune-competent human placental model enables continuous monitoring of placental development across gestation
61	Poster	Low Oxygen Regulates Trophoblast Progenitor Dynamics and Maturation in Human Organoid Models
62	Poster	Antiviral signaling at the maternal-fetal interface disrupts trophoblast fusion in preeclampsia
63	Poster	Three-dimensional biomechanical mapping of the human placenta reveals regional anisotropy and disease-specific signatures in pre-eclampsia
64	Poster	Vitamin C mediates dose-dependent effects on DNA and histone demethylation and antioxidant activity in human trophoblast stem cells
65	Poster	Association between placental weight and the sFlt-1/PIGF ratio in singleton pregnancies across preeclampsia status
66	Poster	Diagnostic performance of the sFlt-1/PIGF ratio for short-term prediction of preeclampsia in twin pregnancies: does chorionicity matter?
67	Poster	Congenital Systemic Candidiasis After Fetoscopic Laser Photocoagulation for Twin-to-Twin Transfusion Syndrome: A Fatal Case Report
68	Poster	Prenatal genocide exposure is linked to DNA methylation of placenta-specific genes and associated with epigenetic age acceleration
69	Poster	NOTCH3 deficiency contributes to the pathogenesis of preeclampsia through HEY1-FBP2/c-MYC-TFAM axis
70	Poster	Combined inhibition of DOT1L and BRD9 promotes proliferation and impedes differentiation of human trophoblast stem cells
71	Oral	TET3 contributes to epigenetic activation of TGF β pathway and metabolic regulation in preeclampsia
72	Poster	Pesticide-Induced Placental Toxicity in Tea Garden Workers: Role of the Bcl-2/Bax Pathway, M30-Detected Apoptosis, and Oxidative Stress in Fetal Growth Restriction
73	Poster	Temporal emergence of aspirin-associated transcriptomic changes and their cellular origin in early human placental villi
74	Poster	胎盤機能不全を模倣した胎児発症型ADPKD: 妊娠中期における重度の羊水過少症と胎児発育制限の症例。
75	Poster	The impact of physiological oxygen fluctuations on EVT development and oxidative stress
76	Poster	Circadian Disruption in Trophoblast EV Signaling Drives Endothelial Dysfunction in Preeclampsia
77	Poster	Maternal Equol supplementation ameliorates placental insufficiency and offspring intestinal dysfunction in a preeclampsia mouse model
78	Poster	Investigation of the tumor microenvironment of metastatic choriocarcinoma using spatialtranscriptomics
79	Poster	Histopathological evidence of whole-placenta perfusion following single fetal demise in monochorionic diamniotic twins

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80	Poster	FOXO1 regulates trophoblast oxidative stress via IDH1 expression
81	Poster	Assessing challenges in achieving reliable quantification of micro-/nanoplastics in the human placenta
82	Poster	Placental ratio modifies the association between epidural analgesia and NICU admission
83	Poster	Fetal chronic hyperglucagonemia impairs trophoblast function by decreasing binucleate cell number, placental lactogen secretion, and electron transport chain complexes.
84	Oral	DEFINING BASAL DDR-KINASE SIGNALING NETWORKS THAT REGULATE HUMAN TROPHOBLAST INVASION
85	Poster	Trophoblast Cells Derived from the Inner Cell Mass Contribute to Placental Formation in Cynomolgus Macaques
86	Poster	Gestational Stress Disrupts Placental Methionine Transport: Implications for Neuropsychiatric Vulnerability
87	Poster	Cell-cell fusion drives placental bed giant cell formation in human trophoblast organoids
88	Poster	TRPV2-Mediated Calcium Entry Marks Syncytiotrophoblast Differentiation in the Placenta
89	Poster	Association of a cell fusion-inhibitory protein, mouse Suppressyn-like 1 (mSUPYN-L1), with syncytin envelope proteins
90	Poster	Generation of a freely accessible transcriptomic maternal-fetal interface at term atlas
91	Poster	Possible involvement of regulated cell death in the placenta during LPS-induced abortion in mice
92	Poster	Deciphering maternal and placental cell-free DNA for tissue-specific biological insights
93	Poster	Autophagy-Lysosome Axis Governs Trophoblast Differentiation, Oxidative Resilience, and Angiogenic Balance in Preeclampsia
94	Poster	Placental echogenic cystic lesions: a sonographic sign of maternal vascular malperfusion
95	Poster	Regulation of the renin-angiotensin system via prorenin receptors in a mouse model of preeclampsia
96	Poster	Late gestation heat stress impairs placental development, efficiency and gestation length in ewes
97	Poster	Early-onset HELLP Syndrome: Two Clinical Cases Experience
98	Poster	ATP-citrate lyase regulates nuclear acetyl-coA levels to promote histone acetylation and is essential to maintain human trophoblast stemness and mouse placental and fetal growth
99	Oral	Blood-to-placental transfer and placental trophoblast internalization of periodontal pathogenic bacteria-derived outer membrane vesicles
100	Poster	Impact of psoriasis and biologic therapy on trophoblast invasion: implications for pregnancy outcomes
101	Poster	Progesterone Withdrawal during Pregnancy Disrupts Maternal Endocrine Regulation and Influences Placental Antioxidant Enzymes and Hormone Receptor Expressions
102	Oral	DLX3 mRNA Stability, A Master Regulator of Trophoblast Differentiation, Is Regulated by METTL3-Dependent m6A Modification in Human Trophoblast Stem Cells
103	Poster	A multi-study single-cell atlas across gestation reveals a BCL6-associated trophoblast differentiation defect in preeclampsia
104	Poster	Quantitative Phenotyping of the Parenchyma, Umbilical Cord, and Membrane Rolls Using Machine Learning Enabled Digital Histology
105	Poster	Tight junction protein CXADR regulates human trophoblast stem cell self-renewal and differentiation potential

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106	Poster	GESTATIONAL AGE-RELATED ALTERATIONS IN PLACENTAL ENDOCANNABINOID METABOLISM AND GENE EXPRESSION ACROSS PRETERM AND TERM BIRTH
107	Poster	Placental Vascular Phenotypes and Birthweight Severity in Term Fetal Growth Restriction: A Phenotype-Based Analysis According to the Amsterdam Criteria
108	Poster	The physiological role of soluble fms-like tyrosine kinase-1 (sFlt-1) in placenta during normal pregnancy.
109	Poster	Differential Expression of Placenta Nutrient Transporters in Pregnant Rats Exposed to Oxycodone and Melatonin
110	Oral	Acetate metabolism regulates human trophoblast stem cell differentiation into extravillous trophoblasts
111	Poster	Beyond Flatland: Molecular Signatures Distinguishing Dimensional Complexity in Trophoblast Models
112	Poster	KIR+ decidual CD8+ T cells exhibit tolerogenic programming at the maternal-fetal interface
113	Poster	Prophylactic progesterone prevents miscarriage by suppressing macrophage-mediated iNKT cell activation at the feto-maternal interface
114	Poster	Activin A regulates cellular senescence and decidualization via SMAD3-mediated repression of PPAR γ in the endometrium
115	Poster	Butyrate suppresses endometrial stromal cell decidualization and epithelial cell maturation through promoting histone acetylation.
116	Poster	Effects of PRR Inhibition on Podocyte Injury in a Mouse Model of Preeclampsia
117	Poster	The syncytin-like ERVV-2 regulates trophoblast differentiation and HDP-related gene expression
118	Poster	Association of internationally recognized maternal high-risk factors with preeclampsia in a Japanese single-center retrospective cohort
119	Poster	Over-expression of CYP11A1 promoting Testosterone Synthesis contributing to VSMC Phenotype switching in Preeclampsia
120	Poster	Immune Dysregulation in the Placenta-Fetal Brain Axis following In-Utero EcoHIV Exposure
121	Poster	Association of autophagy inhibition with ADAM10 upregulation and increased sFlt-1 production in trophoblast cells
123	Poster	Gestational Psittacosis Associated With Hemophagocytic Lymphohistiocytosis: A Case Diagnosed by Placental mNGS.
124	Poster	Disrupted Fatty Acids Metabolism in Early Pregnancy in Mothers Carrying Twin Pregnancy Conceived through Assisted Reproductive Technology
125	Poster	Role of hematological indices in predicting preeclampsia/gestational diabetes mellitus
126	Poster	Placental Histopathological Findings in Pregnancies Conceived via Assisted Reproductive Technology: A Retrospective Study Based on the APWGCS Criteria
127	Oral	NAT10-mediated mRNA N4-acetylcytidine in amnion fibroblasts drives lipid peroxidation and inflammation at parturition
128	Poster	Klebsiella pneumoniae culture supernatant selectively suppresses the expression of implantation- and immune-related factors in endometrial epithelial cells.
129	Poster	Determinants of placental weight in lean rural Indian pregnant women—findings from the Pune Maternal Nutrition Study
130	Poster	Interleukin-18 supports pregnancy maintenance under inflammatory challenge in a murine model of LPS-induced abortion
131	Poster	Multiaxial mechanical characterisation of human placental tissue for predictive modelling
132	Poster	Spatial heterogeneity of placental macrophage polarization in hypertensive disorders of pregnancy

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133	Poster	THE EXTRACELLULAR MATRIX Altered THE PHENOTYPIC EXPRESSION of ENDOMETRIAL MESENCHYMAL STROMAL/STEM CELLS IN VITRO
134	Poster	RNA sensing induces a sterile interferon response in the placenta that correlates with increased HERV expression
135	Poster	Low oxygen enhances trophoblast stem cell proliferation and minimizes spontaneous differentiation to mature trophoblast lineages.
136	Oral	Sex-specific differences in placental vascular anatomy in normal and growth-restricted pregnancies
137	Poster	Increased placental and circulating ACE are associated with placental oxidative stress in female growth-restricted pregnancies
138	Poster	How much leakage is too much? Quantifying maternofetal transfer error in ex vivo dual perfusion studies of the human placenta
139	Oral	Proteomic identification in the growth-restricted placenta reveals ACE2-driven pathways regulating oxidative stress responses
140	Poster	Variation in maternofetal vs fetomaternal transfer measures within a paired placental network
141	Poster	Nanopore methylome profiling reveals selective reprogramming of partially methylated domains across gestational trophoblastic disease
142	Poster	Spatial Transcriptomic Landscape of the Murine Placental Labyrinth in the Absence of Maternal Microbiota
143	Poster	Disruption of GAS6/AXL Signaling-Driven Amniotic Intercellular Communication Triggers Labor by Activating Endoplasmic Reticulum Stress
144	Poster	ANTICANCER DRUGS IMPAIR TROPHOBLAST SURVIVAL AND GLUCOSE UPTAKE: ANALYSES USING CLINICAL PLACENTAL SAMPLES AND PRIMARY SYNCYTIOTROPHOBLASTS
145	Poster	Optimizing sample preparation for spatial detection of microchimerism in whole mice
146	Poster	ISM2 regulates extravillous trophoblast differentiation and invasion in human trophoblast stem cells
147	Poster	Extracellular Vesicle-Mediated Regulation of Endometrial Angiogenesis by miR-141
148	Oral	3D electron microscopy reveals impaired mitochondrial remodeling in the fetal growth restriction placenta
149	Poster	Placental Hypoxia Induces Release of Nitric Oxide with an Alteration in the Diffusion Distance of the Vasculosyncytial Membrane.
150	Poster	Early pregnancy plasma proteomics for candidate biomarker discovery in hypertensive disorders of pregnancy
151	Poster	In Vivo Insights into the Effect of Smoking on First Trimester Utero-placental Vasculature: exploration of the relationship between carbon monoxide and OxNNet-derived single vessel fractional moving blood volume (svFMBV)
152	Poster	Protein Kinase C β -mediated alteration of the (pro)renin receptor intracellular signaling pathway in the placenta of pregnant diabetic mice
153	Poster	Establishment of 3D Human Trophoblast Organoid and Human Endothelial Cell Co-Culture Model Mimicking Maternal-Fetal Interface
154	Poster	Loss of Per1/Per2 Circadian Clock Genes Impairs Placental Development and Fetal Growth in Late Gestation Mouse Pregnancy
155	Poster	Polyethylene microplastics impair human trophoblast migration and invasion through NF- κ B-mediated suppression of JAG1/Notch signaling
156	Poster	MicroRNA Expression in Placental Tissue of growth restricted newborns
157	Poster	Long-term study on the effect of docetaxel treatment on tumor metastases in a placental tissue co-culture
158	Oral	Metabolic and Mitochondrial Adaptations in Fetal Liver and Skeletal Muscle Following Trophoblast-Specific Slc7a5 (LAT1) Overexpression

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159	Oral	Immune cell-derived extracellular vesicles modulate inflammatory signaling at the maternal-fetal interface
160	Poster	Placental Metabolic Reprogramming in Pregnant Women with Breast Cancer Undergoing Chemotherapy
161	Poster	Treatment with HIV integrase strand transfer inhibitors alters placental expression of fatty acid transporters and their regulators
162	Poster	Engineering a vascularized placenta-on-chip to investigate hormone-dependent regulation of placental microvascular and barrier function
163	Poster	Fetoflow: An open source python-based flow modelling tool for placental vascular networks
164	Oral	Dissecting Immune Cell Trafficking Across the Human Placenta Using Complementary Ex Vivo Perfusion and Villous Explant Models
165	Poster	EV miRNA profiling reveals altered developmental pathways and invasion potential in PE-derived trophoblast organoids
166	Poster	Small extracellular vesicles from inflamed decidual stromal cells transfer inflammatory signals to trophoblasts while impairing trophoblast stem cell proliferation
167	Oral	The role of neuregulin 1 signaling pathway at the uteroplacental interface.
168	Poster	Elamipretide improves extravillous trophoblast migration and mitochondrial respiration in an in-vitro model of fetal growth restriction
169	Poster	AGO2 chimeric eCLIP reveals coding sequence-dominant miRNA binding and enriched targeting of the IGF2/H19 imprinted locus in the human placenta
170	Poster	Iron-Dependent Mitochondrial Electron Transport Chain Dysfunction and Dysregulated Energy Sensing in Fetal Growth Restriction
171	Poster	Hyperglycaemia-Induced Remodelling of the Placental Renin-Angiotensin System in Gestational Diabetes
172	Poster	Placental Villous T Cells from Preterm Birth Impair Trophoblast Organoid Growth and Differentiation
173	Poster	Proteomic Analysis of Anaerobic Glycolysis in the Placenta Across Gestation
174	Poster	The role of Gremlin 2 in the placenta and preeclampsia pathophysiology.
175	Poster	MCT1-mediated propionate transport across a trophoblast stem cell-derived human placental barrier model
176	Poster	Transcriptional Dynamics of Human Trophoblast Stem Cell Derivation and Extravillous Trophoblast Differentiation Revealed by Single-Cell RNA Sequencing
177	Poster	Reprogramming Feto-Maternal Immune Interface Using miR-155-Engineered MSC derived-Extracellular Vesicles in Idiopathic Recurrent Pregnancy Loss
178	Poster	Human placenta acquires specific somatic variants from very early developmental stages: implications for the involvement of oxidative stress
179	Oral	Impact of an adverse preconception environment on placental programming in a MEM mouse (DOHaD model mouse)
180	Poster	A machine learning model for the detection of fetal metabolic acidemia and hemodynamic compromise from ECG-derived RR intervals alone in term sheep
181	Poster	Sustained high levels of hCG may alter trophoblast differentiation and contribute to the pathogenesis of preeclampsia
182	Poster	ASSESSMENT OF OLEOYL-ACP HYDROLASE AND THE ROLE OF ITS FATTY ACID PRODUCT IN PLACENTAL DYSFUNCTION AT TERM
183	Poster	Signals from the Decidua: Ligand-Mediated Control of Cell Column Formation and EVT Differentiation in Early Human Placenta
186	Poster	Calreticulin dynamics under endoplasmic reticulum stress regulate trophoblast differentiation and clearance in placental dysfunction

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187	Poster	Antidepressant Escitalopram modulates trophoblast cell functions
188	Oral	The pleiotropic roles of LIF-STAT3 signaling in EVT differentiation
189	Poster	Effects of fetal circulatory alterations on the placenta in left-sided congenital diaphragmatic hernia: a pilot study
190	Poster	Disrupted Spatial Organisation and Vascular Remodelling are Hallmarks of Delayed Villous Maturation
191	Poster	A Computational Modelling Approach to Determine the Key Mechanisms Driving Placental IgG Transfer
192	Oral	Machine learning-enhanced placental ultrasound for first-trimester prediction of pre-eclampsia: development and external validation of multivariable models using OxNNet biomarkers in the FirstPLUS and OxPLUS studies
193	Oral	Maternal-Fetal Glucose Transfer Is Maintained In the Presence of GLUT1 inhibitor BAY-876
194	Poster	Longitudinal point-of-care PLGF trajectories in early pregnancy and their association with placental pathology in a preterm birth cohort
195	Poster	A Multi-Omics CLEAR-CLIP Approach Defines the miRNA-mRNA Targetome in Trophoblast Differentiation and Novel Biomarkers for Preeclampsia
196	Poster	Super-resolution microscopy reveals continuous integrin $\beta 3$ expression in the placental brush border membrane
197	Poster	GLP-1 Receptor Agonists Modulate the Placental Secretome under Hypoxia/Reoxygenation Conditions and Enhance Nitric Oxide Production
198	Poster	Differential Expression and Target Network Analysis of Region-Specific miRNAs in Placentas from Breast Cancer During Pregnancy Patients
199	Poster	Profiling human placental steroid hormone production and release in preeclampsia using ex vivo dual-sided cotyledon perfusion
200	Oral	PlacentaBench: A Large-scale and Diverse Evaluation Dataset for Placental Computational Pathology
201	Poster	Sca-1 expression in mouse trophoblast stem cells is dynamic, and the expression level alters self-renewal characteristics
202	Poster	Single-cell transcriptomics of term trophoblast stem cells reveals an extravillous trophoblast precursor phenotype
203	Poster	Mechanical Characterization of Small Chorionic Arteries in the Placenta
204	Poster	Placental Lactogen and Chorionic Gonadotropin Have Divergent Secretion Dynamics During Human Trophoblast Differentiation
205	Poster	Latent class analysis of newborn dried blood spot (DBS) cyto- and chemo-kines in term births with and without histologic fetal acute inflammatory responses.
206	Poster	Good placental chorionic vascular "fit" (as the ratio of chorionic plate area covered by chorionic surface vessels and the chorionic plate area itself approaches 1) predicts more uniform placental disk thickness (Moran's I approaches 1).
207	Poster	Histologic "acceleration of villous maturation" is associated with decreased chorionic plate area.
208	Poster	Endoplasmic reticulum stress in placenta of women with gestational diabetes with and without pharmacological treatment and its association with neonatal anthropometry
209	Poster	MATERNAL, FETAL, AND PLACENTAL GDF15 IN GESTATIONAL DIABETES MELLITUS AND METFORMIN TREATMENT: ASSOCIATION WITH FETAL METABOLISM
210	Poster	The Role of Angiogenic Factors in Predicting Adverse Perinatal Outcomes in Women with a History of Recurrent Pregnancy Loss
211	Poster	Evaluating placental transfer of methamphetamine and its influence on the human placenta using ex vivo human placenta perfusion.
212	Poster	Increased expression of HERVs in placentas from HIV-infected mothers

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213	Poster	Modulation of Classical HLA Expression in Human Trophoblast Stem Cells
214	Poster	Wnt/ β -Catenin Activation Drives Broad Trophoblast Lineage Specification Beyond Syncytiotrophoblast layer-II
215	Poster	Methionine deficiency induces a preeclampsia-like phenotype in primary human trophoblasts
216	Poster	Impact of Aquaporin 9 (AQP9) on Mitochondrial Dynamics and pH Homeostasis in Trophoblast Cells
217	Poster	The role of PIEZO1 in placental and embryonic development
218	Oral	Circadian timing of acute maternal hypoxia and fetal sex influence the transcriptomic response of placenta, fetal heart, and fetal kidneys in rats
219	Poster	Placenta IDO2 expression associates with poor maternal mental health during pregnancy and behavioral problems in preschool children
220	Poster	Single-Cell and Pathway-Level Dissection of Immune Dysregulation in Recurrent Pregnancy Loss
221	Poster	Hofbauer cell - endothelial crosstalk shapes endothelial to mesenchymal transition and macrophage polarization in early onset preeclampsia
222	Poster	Sex-specific differences in fetal and placental stress metabolism in dichorionic male-female twin pairs-pregnancies
223	Poster	Decidual Cell-Extravillous Trophoblast Cell Interactions
224	Poster	Sex-specific differences in fetal and placental glucose metabolism in dichorionic male-female twin pairs-pregnancies
225	Poster	Polystyrene-Microplastics Disrupt Mouse Embryogenesis via Oxidative Stress
226	Poster	Characterization of histone post-translational modifications in the human placenta using CUT&Tag
227	Poster	Spatial profiling of placental lipids using micron-scale complementary mass spectrometry workflows
228	Poster	Distinct hyperfibrinolytic activation in amniotic fluid embolism: Comparative analysis of DIC with severe placental abruption
229	Poster	Early screening of preeclampsia using machine learning and routinely collected clinical data in an Argentinian cohort
230	Poster	Androgen metabolism in full-term human maternal-placental-fetal units
231	Poster	Amyloid-beta fibrils play a pathological role in trophoblast syncytialization and preeclamptic placenta
232	Poster	A Novel Murine Model of dsRNA-Induced Placental Dysfunction and Small for Gestational Age Linked to Human HDP/SGA Placentas
233	Oral	Lipid nanoparticle conjugation methods for placental targeted delivery of short interfering RNA to treat placental dysfunction
234	Poster	Cannabis and PPAR γ : potential drivers for placental steatosis.
235	Poster	Proteomics-based identification and functional characterization of choriocarcinoma-specific molecular profiles
236	Poster	3D Vascular Casting and Micro-Computed Tomography of the Human Feto-Placental Vascular Tree Reveals Novel Vascular Alterations Linked to Maternal BMI
237	Poster	Comprehensive Lysosomal Enzyme Profiling of Human Amniotic Epithelial Cells for Therapeutic Applications
238	Oral	Determinants of postpartum depression in low- and middle-income countries in Asia

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239	Poster	Utilising 3D bioengineered placentoids to investigate the impact of oxidative stress on the trophoblast populations.
240	Poster	Maternal Obesity Drives Dysregulation of Placental Sphingosine-1-Phosphate (S1P) Metabolism and Endothelial Function
241	Poster	Observational Study of Inflammatory and Immune Regulatory Markers in Obese and Non-Obese Women with Recurrent Pregnancy Loss at a Large Tertiary Hospital in South Africa.
242	Poster	A Conserved Stromal Core and Adaptive Extravillous Trophoblast (EVT) Crosstalk Shape Hofbauer Cell Signalling in Early Human Placenta
243	Poster	In vitro human placental barrier-on-a-chip for pharmacokinetic studies
244	Poster	Transgenerational impact of exposure to diesel exhaust microenvironment on fertility and health in the Wistar rat model
245	Poster	Single-cell spatial transcriptomics reveals enrichment of SPP1+ macrophages in a case of chronic histiocytic intervillitis
246	Poster	From mother to fetus: Dose-dependent transfer of PETN metabolites in an ex vivo human placental perfusion model
247	Oral	Coordinated gene networks reveal distinct evolutionary selection pressures shaping human trophoblast cell states.
248	Poster	Microfluidic implantation-on-a-chip: a platform for investigating trophoblast-decidual interactions
249	Poster	The Immunomodulatory Role of Syncytiotrophoblast-Derived Extracellular Vesicles: Comprehensive Peripheral Blood Cytokine Profiling and Immunophenotyping in Pregnant and Non-Pregnant Women.
250	Poster	Dysregulation of Solute Carrier Transporters Compromises Placental Nutrient Trafficking and Drives Trophoblast Dysfunction in Preeclampsia
251	Oral	Diagnostic and Therapeutic Potential of Prokineticin-1 in Spontaneous Preterm Birth
252	Poster	Divergent roles of DNA methylation, TRIM28, and p53 surveillance in human embryonic and trophoblast stem cells
253	Poster	In Vivo Placental Mapping of Maternal Vascular Malperfusion in Fetal Growth Restriction
254	Poster	Human placental genomic instability predicts adverse pregnancy outcomes
255	Poster	Distinct placental phenotypes across developmental subtypes of congenital heart disease implicate early developmental disturbances
256	Poster	Placental adaptations to maternal depression and antidepressant exposure
257	Poster	Accumulation of pollutant nanoparticles drives lysosomal dysfunction and cellular stress in syncytiotrophoblasts.
258	Poster	Immune microenvironment at the feto-maternal interface upon chronic activation of hypothalamic stress related CRH neurons
259	Poster	Sexual Dimorphic responses to nanoparticle-mediated IGF1 gene therapy in Fetal Growth Restriction
260	Oral	Arrayed CRISPR screening reveals novel regulators of trophoblast cell-cell fusion and hCG secretion
261	Poster	Timing of recurrent placental abruption relative to the previous episode and implications for subsequent pregnancy management
262	Poster	Mechanistic modeling of human ex vivo placental perfusion data for pravastatin and antipyrine to elucidate their transplacental permeability, interindividual variability, and relationship with cotyledon weight
263	Poster	Post-transcriptional regulation of GATA2 by m6A in human trophoblast stem cells
264	Poster	Distinct Maternal and Embryonic Contributions to the Pathophysiology of Advanced Maternal Age-Associated Preeclampsia

Submission Id	Presentation Type	Title
265	Poster	Investigating the Impact of Zika Virus Infection on Trophoblast Differentiation and its Potential Role in Adverse Pregnancy Outcomes
266	Poster	Lipid accumulation in the placenta is associated with increased inflammatory and vascular pathologies
267	Poster	Transcriptional Heterogeneity and Early Culture-Associated Remodeling in Human Amniotic Epithelial Cells
268	Poster	Attenuation of VEGF inhibitor-induced growth suppression in HUVECs and MSCs by EVs derived from decidual mesenchymal stem cells
269	Oral	Non-canonical p53-p21 Signaling Underlies Trophoblast Resilience to Chromosomal Instability
270	Poster	A Case of Fetomaternal Hemorrhage Caused by Intraplental Choriocarcinoma
271	Poster	p300 acts as a placental nutrient sensor through mTOR signaling
272	Poster	Chronic Glycemic Stress Disrupts the Autophagic Mechanism and Differentiation Kinetics of Human Trophoblast Stem Cells
273	Oral	Investigating Links between Inositol Content, Tissue Acylcarnitines and Strength of Fetal Membranes
274	Poster	Combined Exposure to Environmentally Relevant PFAS Mixtures Impairs Placental Structure and Function: Evidence from In Vitro, Ex Vivo, and In Vivo Models.
275	Poster	Reproductive Outcomes After Treatment for Gestational Trophoblastic Neoplasia: A Single-Center Retrospective Study in Japan
276	Poster	Clinical and Pathological Characteristics of High-Grade Villitis of Unknown Etiology
277	Poster	Paracrine Activin A signaling at pathological concentrations alters transcriptional programs in first trimester trophoblasts
278	Poster	Third generation antiseizure medications cross the placental barrier in ex vivo third trimester human placenta perfusions.
279	Poster	The Role of LYVE1-Positive Hofbauer Cells in Preeclampsia
280	Oral	Maternal-fetal interface-associated macrophage states shape the microenvironment in the human decidua basalis
281	Poster	A Ceramide Driven Placental-Endothelial Axis Mediates the Early, Clinically Silent Transition from Gestational Diabetes to Preeclampsia
282	Poster	Benefits of maternal exercise in offspring metabolism are mediated through placental VDR/FOXP1-SOD3 axis and maternal adipose tissue
283	Poster	Integrated Olink proteomics and RNA-seq define lineage-specific remodeling during human trophoblast stem cell differentiation
284	Poster	The Interplay between HIV/ART exposure and Maternal Obesity on Systemic and Placental CD8+ T-cell phenotypes
285	Poster	Placental Maternal Vascular Malperfusion and Postpartum Vascular Function in Women with HIV: Findings from the PACO-HEART Study in Uganda
286	Poster	DIVERGENT PLACENTAL STRATEGIES UNDER MATERNAL SUBCLINICAL INFECTION CHALLENGE: COMPENSATORY MECHANISMS AND SEX-SPECIFIC VULNERABILITY
287	Oral	Modeling Trophoblast Invasion and Vascular Remodeling on-Chip
288	Poster	Placental DEPTOR-mTOR Axis Controls CD8+ and CD4+ T Cell Dynamics in Fetal Growth Restriction
289	Poster	Placental barrier development and integrity: a model to evaluate the disruption induced by microplastics and the plasticizer di(2-ethylhexyl)phthalate (DEHP).
290	Poster	Serum levels of β -hCG and hyperglycosylated hCG in early pregnancy differentiate women with an eventual postpartum hemorrhage

Submission Id	Presentation Type	Title
291	Poster	Untargeted Lipidomics of Peripheral and Placental Blood in Malaria-Exposed Women Reveals Placenta-Specific and Infection-Specific Signatures and Lipids Associated with Poor Birth Outcomes
292	Poster	Cleavage of HSP90 Chaperone Occurs in Malaria Infected Placenta and a Placental Model of Ferroptosis
293	Poster	Maternal SARS-CoV-2 infection during pregnancy induces placental transcriptomic changes linked to viral response and schizophrenia genetic liability.
294	Poster	Reduced β 4 Integrin Expression Is Associated with Syncytiotrophoblast Damage in Placental Malaria and Ferroptosis
295	Poster	NRIP1 Dosage Drives Estrogen Resistance and Syncytiotrophoblast Defects in Trisomy 21
296	Poster	Characterizing the Neuro-Immune Impact of Prenatal Cannabis on the Placenta: The Role of Gestational Age
297	Poster	Examining the impact of SARS-CoV-2 infection on the placental renin-angiotensin system (RAS)
298	Poster	Myometrial Activation in Equine Ascending Placentitis: An Integrated Transcriptomic and microRNA Network Approach
299	Poster	Pregestational and Gestational Fluoride Exposure Alters Angiogenic and Hypoxia Markers in Placentas of Wistar Rats.
300	Poster	Gestational diabetes prediction using miRNA expression and a machine learning model
301	Poster	Multi-Omic and AI Analysis Links Prenatal Cannabis Consumption to Altered Pregnancy-Specific Glycoproteins, Vascular-Syncytial Remodeling, Reduced Fetal Growth, and Increased Neonatal Morbidity in the CUPID Birth Cohort
302	Poster	Placenta-to-Brain Signaling Analysis Links Prenatal Fentanyl-THC Co-Exposure to Fetal Neurodevelopmental Remodeling
303	Poster	Methionine deficiency induces a preeclampsia-like phenotype in primary human trophoblasts
304	Poster	Impact of prenatal fluoxetine on placental serotonin metabolism and transport: a sex- and gestational stage-dependent analysis.