Supplementary Table 1: MicroFlow Cytometer Settings				
Platform	Apogee A50 MP	S/N 0027		
Parameter	Setting			
Sample Flow Rate	3.01 µL/min			
Pressure	150 units			
Acquisition time	60 sec			
Sample Dilution	25x with PBS			
Volume/well	250 µL			
Sample volume	10 µL			
Diluent volume	250µL			
Event Trigger	LALs unless stated otherwise			
Channel	Laser Power (mW)	PMT	Gain	Threshold
405nm	75			
488nm	50			
561nm	N/A			
638nm	75			
405-SALS		342	1.0	20
405-LALS		350	1.0	48
405-Red		350	1.0	
405-Green		500	1.0	
488-Green		450	1.0	
488-Orange		550	1.0	
488-Red		580	1.0	
561-Orange		NA	1.0	
561-Red		NA	1.0	
638-Red		550	1.0	
638-Far Red		NA	1.0	
Beads	Product number	Lot number	Expiration	
Monitoring	Apogee 1493	CAL0093	09/08 2022	
		CAL0095	13/02/2023	

Supplementary Table 2: LM10 NTA Settings					
Platform	LM10				
Parameter	Setting				
Software	NTA 3.0 0064				
~Temp (°C)	18-25	Sample Dilution 25x			
Camera settings	Type = sCMOS Level =12				
Slider shutter = 600	Slider gain = 350	Shutter/ms = 26.6	Frame rate = 18.8		
Histogram Upper = 8	325 Histogram Lower = (		)		
Detection Settings	Avg completed track	Avg completed tracks samples =3000		Avg completed tracks medias =14	
	<based 40="" of="" on="" sample="" samples="" sub=""></based>		<based 12="" of="" on="" sample="" samples="" sub=""></based>		
Threshold = 7	Blur = Auto	Vibration	Particles per frame = 10-100		
		correction applied			
Size distribution - Number weighting - With Percentiles					
Size distribution - Surface area weighting - With Percentiles					
Size distribution - Volume weighting - With Percentiles					
Beads	Product number	Lot number	Expiration		
NIST Polystyrene	Thermo Scientific	3060A: Lot40223	See lot specific		
	3000 Series	3200A: Lot 39557	dates;minimum 2		
		3400A: Lot 40720	yrs		
Nanosight 100nm	Nanosight stock	N/A	N/A		
Polystyrene size	solutions				
standard					

Supplementary Table 3: MIFlowCyt / MISEV Compliant Items				
Requirement	Please Include Requested Information			
1.1. Purpose	To assess cellular export capacity of Huntington aggregates using an expressed form of polyglutamine expanded huntingtin (GFP-tagged 72Qhuntingtinexon1) in cells.			
1.2. Keywords	microflow cytometry, extracellular vesicle, molecular chaperone, CSPα, DnaJC5, Huntington's disease			
1.3. Experiment variables	Conditioned media, expression of polyglutamine expanded huntingtin (GFP-tagged 72Qhuntingtinexon1) and other vectors in CAD neural cells. Specific details in Methods.			
1.4. Organization name and address	Hotchkiss Brain Institute Department of Biochemistry and Molecular Biology Cumming School of Medicine, University of Calgary 3330 Hospital Dr. N.W. Calgary, Alberta, Canada T2N 4N1			
1.5. Primary contact name and email address	Hotchkiss Brain Institute Department of Biochemistry and Molecular Biology Cumming School of Medicine, University of Calgary 3330 Hospital Dr. N.W. Calgary, Alberta, Canada T2N 4N1			
1.6. Date or time period of experiment	2017 - 2020			
1.7. Conclusions	Our data links the molecular chaperone, CSPα, and the packaging of pathogenic misfolded huntingtin into extracellular vesicles for elimination			
1.8. Quality control measures	1493 Apogee Bead Mix, NIST 200nm bead standard			
2.1.1.1. (2.1.2.1., 2.1.3.1.) Sample description	Conditioned (serum free) DMEM media from CAD neural cells collected 48hrs post transfection.			
2.1.1.2. Biological sample source description	Palmitoylated GFP positive PC3 cells (PC3 ATC: CRL- 1435) were generated using a palmitoylation signal genetically fused in-frame to the N terminus of EGFP (previously described: Lai et al, 2015).			
2.1.1.3. Biological sample source organism description				
2.1.2.2. Environmental sample location				
2.3. Sample treatment description	<ul> <li>Conditioned (serum free) DMEM media from CAD neural cells collected 48hrs post transfection.</li> <li>1. Samples were subjected to a single 300xg centrifugation for 5minutes prior freezing (-80°C) and subsequent analysis by micfroflow cytometry or NTA;</li> <li>2. For some samples, prior to microflow cytometry analysis, EVs were treated with Cell Mask Deep Red plasma membrane stain (ThermoFisher C10046) (0.1X final concentration);</li> <li>3. Palmitoylated GFP positive PC3 cells (PC3 ATC: CRL-1435) were generated using a palmitoylation signal genetically fused in-frame</li> </ul>			

	<ul> <li>to the N terminus of EGFP (previously described: Lai et al, 2015 Nature Communications). Cells were permitted to grow to confluency in serum free DMEM (T175flasks, ~20mLs per flask) and EVs collected in the supernatant following a single 300xg centrifugation for 5 minutes prior freezing (-80°C).</li> <li>Following 300xg centrifugation for 5 minutes, samples from CAD cells were precipitated using ExoQuick (SBI) prior to SDS-PAGE;</li> <li>For imaging, EVs were labels with ExoGlow Protein Red (SBI) as per manufacturers instructions and then applied to recipient CAD cells for 24hrs. Cells were washed 3X prior to</li> </ul>			
	imaging.			
2.4. Fluorescence reagent(s) description	1. Cell Mask Deep Red plasma membrane stain (ThermoFisher C10046), used at a final concentration of 0.1x (optimal concentration defined by titration).			
3.1. Instrument manufacturers, model	1. Apogee A50 MicroPlus Microflow cytometer (S/N			
	0027): Apogee Flow Systems			
	2. LM10 NTA (Malvern Panalytical NanoSight LM10HSBF			
	Nanoparticle Characterization System)			
3.3. Instrument configuration and settings	See Tables			
4.1. List-mode data files	*Data files will be submitted to			
	http://flowrepository.org			
4.2. Compensation description	No compensation			
4.3. Data transformation details				
4.4.1. Gate description	Defined by unstained controls			
4.4.2. Gate statistics	Data provided as concentration (events/uL)			
4.4.5. Gate boundaries	Defined by unstained controls			