



EVOLVE

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Annual conference of the Indian Society for Extracellular Vesicles (InSEV)

April 2-4, 2026 | ILS Auditorium, ILS Bhubaneswar

Programme Schedule – EVOLVE 2026

DAY-1 (02.04.2026)		
08:45-09:30 AM	Registration	
09:30-09:40 AM	Address by Director, ILS	Dr. Debasis Dash
09:40-09:50 AM	Address by President, InSEV	Dr. Sujata Mohanty
09:50-10:00 AM	Brief about EVOLVE 2026	Dr. Mamoni Dash
SESSION-1		
Session Chairs	Dr. Debasis Dash, Director, ILS Dr. Priya Srinivas, Scientist G, RGCB	
TIME	SPEAKERS	TITLE
10:05-10:40 AM	Dr. Ramin M Hakami, George Mason University, USA	The Paul Reveres of the Cell: Small Extracellular Vesicles and Regulation of Innate Immune Response
10:40-11:05 AM	Dr. Sujata Mohanty, AIIMS, New Delhi	From Stem Cells to sEVs: The Next Wave of Regenerative Therapeutics
11:05-11:35 AM	TEA BREAK	
Session Chairs	Dr. Ramin M Hakami, Co-Director, CIDR, USA Dr. Arun Nagaraj, Scientist F, ILS	
11:40-12:05 PM	Dr. Sanjana Dayal, University of Iowa, USA	Extracellular vesicles as a mediator of prothrombotic state in COVID-19 and Long COVID
12:05-12:30 PM	Dr. Amit Prasad, IIT Mandi	The Trojan Horse of Gastric Inflammation: CCR5 ⁺ Neutrophils and EV-Mediated Epithelial Injury in Helicobacter pylori Infection
12:30-12:55 PM	Dr. Arup Banerjee, RCB, Faridabad	Drug-Modified Brain-Derived Extracellular Vesicles: A New Mechanism for Resolving Neuroinflammation in Viral Encephalitis

12:55-01:15 PM	Dr. Sourish Ghosh, CSIR-IICB	The Subcellular Choreography of JEV Egress: A Tale of Droplets and Vesicles
01:15-02:30 PM	LUNCH BREAK	
SESSION-2		
Session Chairs	Dr. Rupesh Dash, Scientist F, ILS Dr. Sukriti Baweja, Associate Professor, ILBS	
02:30-03:05 PM	Dr. Bernd Giebel, University Hospital Essen, Germany	Clinical potential of MSC-EVs and translational challenges
03:05-03:30 PM	Dr. Asima Bhattacharya, NISER, Bhubaneswar	From Mechanisms to Markers: the Circulating Biomarker Quest in Helicobacter pylori-Driven Gastric Cancer
03:30-03:55 PM	Dr. Tatini Rakshit, Shiv Nadar University	Probing cancer biomarkers from extracellular vesicles using a biophysical approach
03:55-04:05 PM	Product Launch-ExSURE	
04:05-04:15 PM	Technical Talk by MTPL	
04:15-04:25 PM	Technical Talk by Eppendorf	
	Parallel Student Talk Session	
Session Chairs	Dr. Sanjana Dayal, Asso. Professor, University of Iowa, USA- Group A Dr. Jayanta Bhattacharyya, Professor, IIT Delhi -Group B	
04:30-5:30 PM (5 mins presentation + 4 mins discussion)		
	<u>GROUP-A</u> 1. Anindita Sengupta 2. Sakshi Nimesh 3. Deepthy Chandran 4. Ganesh Shelke 5. Reshma Murali 6. Dhujan NS	<u>GROUP-B</u> 1. Meenakshi Mendiratta 2. Rohan Pawar 3. Chitra Bhardwaj 4. Vishakha Kasherwal 5. Harrshani Kumar 6. KEERTHIGA A
05:30-07:00 PM	POSTER PRESENTATION WITH TEA BREAK-STALL VISIT	
07:00-07:45 PM	Cultural Programme	
07:45 PM onwards	Dinner hosted by Director, ILS at ILS lawn area	
DAY-2 (03.04.2026)		
SESSION-3		
Session Chairs	Dr. Sujata Mohanty, Professor, AIIMS, New Delhi Dr. Nirupma Trehanpati, Professor, ILBS	
TIME	SPEAKERS	TITLE
09:30-10:05 AM	Dr. Bjorn Hogberg, Karolinska Institutet, Sweden	Molecular tools for nanomedicine using DNA origami
10:05-10:30 AM	Dr. G. Taru Sharma, IVRI, Izzatnagar	Source to Solution: Caprine MSC-Derived Exosomes in Cell-Free Regenerative Therapy
10:30-10:55 AM	Dr. Tamal Das, TIFR, Hyderabad	Organelles as Mechanochemical Information Processors in Collective Cell Migration

11:00-11:30 AM	TEA BREAK	
Session Chairs	Dr Bjorn Hogberg, Professor, Karolinska Institutet, Sweden Dr Soma Chattopadhyay, Scientist F, ILS	
11:30-11:55 AM	Dr. Indrani Datta, NIMHANS, Bangalore	Stem Cell–Derived Small Extracellular Vesicles as Intranasal Drug Delivery Vehicles for Antioxidant-Mediated Neuroprotection in Chronic Parkinson’s Disease
11:55-12:20 PM	Dr. Karthik Subramanian, RGCB, Trivandrum	Distinct Extracellular Vesicle Subtypes Orchestrate Toxin Spread And Immune Responses During Pneumococcal Infection
12:20-12:40 PM	Dr. Saravanabhavan Thangavel, CSCR-Unit of BRIC-InStem, CMC Vellore	Extracellular vesicles for functional protein delivery to the haematopoietic stem cells
12:40-01:00 PM	Dr. Narender K. Dhanias, University of Delhi	Hyaluronic hydrogel with oxygen incorporated nanovesicles for therapeutic management of Pseudomonas-infected wounds
01:00 - 02:20 PM	LUNCH BREAK	
SESSION 4		
Session Chairs	Dr. G.Taru Sharma, Principal Scientist, IVRI, Izzatnagar Dr. Narottam Acharya, Scientist G, ILS	
TIME	SPEAKERS	TITLE
02:30-03:05 PM	Dr. Roop Mallik, IIT Bombay	Moving Fat Around - From Fundamental Mechanisms to Possible Therapies
03:05-03:30 PM	Dr. Apurba Dev, Uppsala University, Sweden	Mechanical Properties of Lipid Nanovesicles: Influences of Composition and the Cellular Microenvironment
03:30-03:55 PM	Dr. Debjani Paul, IIT Bombay	LoAR-Exo: An inertial microfluidic device for continuous and label-free enrichment of extracellular vesicles
Session Chairs	Dr. Jayanta Bhattacharyya, Professor, IIT Delhi Dr. Madhusoodanan, Professor, SCTIMST	
04:00-04:25 PM	Dr. Guillermo Barreto, University of Lorraine, France	Extracellular vesicles produced by small cell lung cancer cells induce RAS/MAPK/ERK signaling in control human lung tissue.
04:25- 04:45 PM	Dr. Arnab Datta, Yenepoya Research Center	EVOmics for Ischemic Stroke: Cell-Type–Specific Extracellular Vesicle Proteomics and Multi-Modal Data Integration for Biomarker Discovery and Clinical Validation in the Indian Population
04:45- 05:05 PM	Dr. Srikanta Goswami, BRIC-NIBMG	Differential miRNA Signatures Distinguish Pancreatic Cancer from

		Chronic Pancreatitis in an Indian Population
05:10-05:45 PM	General Body Meeting (GBM)	
05:45-07:00 PM	POSTER PRESENTATION WITH TEA BREAK-STALL VISIT	
07:30 PM onwards	Gala Dinner hosted by President, InSEV at Pipul Padmaja Terrace area	
DAY-3 (04.04.2026)		
SESSION 5		
Session Chairs	Dr Apurba Dev, Assoc. Professor, Uppsala University, Sweden Dr. Shantibhusan Senapati, Scientist F, ILS	
TIME	SPEAKERS	TITLE
09:30-9:55 AM	Dr. Shamik Sen, IIT Bombay	Exosomes in Breast Cancer: Disease Progression to Prognosis
09:55-10:20 AM	Dr. Siddharth Jhunjhunwala, IISc, Bangalore	Delivering Cargo to Phagocytic Immune Cells: EVs and more
10:20-10:40 AM	Dr. B. Nayak, AIIMS, New Delhi	Evaluation of cancer stemness reprogramming and oncomirs as prognostic and diagnostic marker in Hepatitis B virus induced Hepatocellular Carcinoma
10:45-11:20 AM	TEA BREAK	
Session Chairs	Dr. Guillermo Barreto, CNRS, Director of Research, University of Loraine, France Dr. V.R. Yenuganti, Asst. Professor, SRM University	
11:25-11:45 AM	Dr. Nalini Easwaran, VIT Vellore	Modulation in the RNA cargo of Enterococcus durans VIT3-derived membrane vesicles after alternate exposure to an antibiotic and a prebiotic.
11:45-12:05 PM	Dr. Prakash Patil, Nitte, K S Hegde Medical Academy, Central Research Laboratory	Breast cancer cells-derived extracellular vesicles mediate cell-specific uptake and facilitate enhanced doxorubicin delivery
12:05-12:25 PM	Dr. Swati Paliwal, Banasthali Vidyapith	Engineered EVs Loaded With Mitochondria as Novel Therapeutic Approach for Diabetes
12:25-12:45 PM	Dr. P. Kanagaraj, SRM Institute of Science and Technology	Exosome loaded gemcitabine preclinical evaluation and therapeutic strategies for pancreatic cancer
12:45-01:05 PM	Award Ceremony	
01:05-01:15 PM	Concluding remarks- Dr Rajeeb Swain on behalf of the local organizing committee	
01:30 PM onwards	LUNCH BREAK	
03:00 PM onwards	City tour for interested guests and students	