

於2021年01月13號生命科學院與印度普納DR. D. Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH一齊簽署合作意向書，開啟與印度DPU 藥學院的國際學術交流。因為COVID-19疫情，目前雙方以線上國際研討會演講邀請為主。生化科技學系陳瑞傑副教授於222年5月7號應對方邀請在Second International FDP on “Emerging Trends in Pharmaceutical Research - 2022擔任客座講員進行線上學術演講，演講題目是New Insights and Emerging Treatments for Drug Resistance in Cancers。DPU 藥學院表示本次會議非常成功，非常謝謝陳瑞傑副教授的精闢演講，未來希望可以藉由這種模式讓雙方師生互相交流，增進國際視野。

**Biogenesis, secretion and uptake of tumor-derived exosomes in the tumor microenvironment**

**KEY**

- Tetraspanin (CD9, CD63, CD81)
- microRNA
- Uptake signal (ligand, antigen, etc.)
- Receptor (cell surface receptors, MHC, etc.)

**Biogenesis:** ESCRT, Lysosome, ILVs, MVB, Ceramide, Exocytic MVB, Stimuli (γ-irradiation, Hypoxia, Heparanase, Calcium ionophores, Statins, Low pH, Detachment).

**Secretion:** Exosomes, Rab27A, Rab27B.

**Uptake:** Endocytosis.

**Targeting:** let-7 family, miR-92a, miR-141, miR-223, miR-494, miR-542-3p, miR-21, miR-29a, miR-101?

**Target mRNA 3'UTR:** AAAAA

**Effects:** Translational Repression/ mRNA Degradation

- Growth/Proliferation (TAK1)
- Inflammation/Immune Response (Toll-like receptors-MAPK, NFκB)
- Epigenetic Reprogramming (EZH2)
- Angiogenesis/Endothelial Cell Activation (VEGF, VEGFR, MMPs)
- Invasion (β-catenin)
- Pre-Metastatic Niche (ECM remodeling proteins)
- Metastasis (MMPs)

Secondary Recipient Cell

**Participants:**

- Dr. Sushil Raut
- Ms. Jullee Jagtap
- Jui-Chieh Chen
- Sushama Fulmali
- Dr. Asha Thomas
- Gauri Patil
- Gaurav Ghuge
- Archana Patil
- Siddhi Nagzkerkar
- Dr. V.R.Undale
- vrushali neve
- Vrushali Bhalchim
- Dr. Pankaj Miniyar
- DPU Pharmacy (Masters)
- Chaitrashree's iPhone
- Dr. D. Prasanthi...
- Dr Shivani Desai
- Dr. Chandrashek...
- Shiwali Sharma
- Harshada Padwal
- Soujanya C
- Nidhi Makadiya
- Sham Tambe
- Harshada Puran...
- Dr Sunil Jagann...

**Zoom Meeting Controls:** Unmute, Stop Video, Participants (67), Chat, Share Screen, Record, Reactions, Apps, Leave

**System Information:** Type here to search, Post Attendee..., Attendance link..., i-FDP Session IX..., Zoom Meeting, ENG, 11:10, 07-05-2022