

# Global Conference on CELL AND GENE THERAPY

July 04, 2022 | Webinar

## Glycosylation: A new trend to envision epi-transcriptome epoch

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RNAs play several prominent roles in the cellular environment ranging from structural, messengers, translators, and effector molecules. RNA molecules while performing these roles are associated with several chemical modifications occurring post-transcriptionally, responsible for supporting vital functions. The recent documentation of surface RNA modification with sialic acid residues has sparked advancement to the framework of RNA modifications. Glycan modification of surface RNA which was previously known to modify only proteins and lipids has opened new vistas to explore how these surface RNA modifications affect the cellular responses and phenotype. This paradigm shift in RNA biology with a vision of "glycans being all over the cells" has posed the field with a repertoire of questions and has given headway to the RNA world hypothesis. The review provides a comprehensive overview of glycoRNA discovery with a conceptual understanding of its previous underlying discoveries and their biological consequences with possible insights into the dynamic influence of this modification on their molecular versatility deciding cancer-immuno fate with potential implications of these glycosylation in cellular interaction, signaling, immune regulation, cancer evasion, and proliferation.

### Biography

Yuba Raj Pokharel has completed his Ph.D. 2010 from Chosun University, Gwangju South Korea, and postdoctoral studies from Chosun University, South Korea, and Turku University and Abo Akademi, Turku Finland. He is an associate professor, at South Asian University, New Delhi India. He has published more than 55 papers in reputed journals and has been serving as an editorial board member of different journals.