

## 세미나 초록

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<b>발표 주제</b>	From Trafficking Hub to Therapeutic Target: The Golgi Apparatus in Disease
<b>발표 내용</b>	<p>The Golgi apparatus is a central hub for vesicular trafficking and post-translational processing that sustains cellular homeostasis. Its stacked architecture and dynamic remodeling are tightly regulated, and several Golgi-resident proteins also orchestrate unconventional protein secretion during cellular stress responses. Mounting evidence links Golgi dysfunction—including structural fragmentation, altered glycosylation, and trafficking defects—to human diseases, notably cancer and neurodegeneration. Here, we synthesize current advances on how Golgi structure–function relationships shape intracellular signaling and pathogenesis, highlighting Golgi stress pathways and organelle remodeling as actionable nodes. We further describe disease-associated abnormalities in key Golgi proteins and their crosstalk with ER–Golgi transport, autophagy, and mechanotransduction. Framing the Golgi as a continuum from trafficking hub to therapeutic target, we discuss biomarkers, imaging strategies, and pharmacologic or genetic interventions that restore Golgi homeostasis. Clarifying these mechanisms may accelerate the development of Golgi-directed diagnostics and therapies.</p>