

세미나 초록

발표주제	Creating New Fluorescent Probes for Clinical Applications
발표내용	<p>Understanding the molecular interactions in biological systems is of fundamental importance. Various types of assay and imaging tools have been developed for studying diverse biological processes. Among these tools, fluorescence-based methods have received significant attention as they enable sensitive detection and imaging by a relatively simple operation. Fluorescent probes with desirable sensing properties (analyte selectivity, sensitivity, bioimaging capability, etc.) are essential for the investigation of molecular interactions and thus have been extensively used in biochemical, clinical, and environmental research areas.</p> <p>In this talk, the speaker will present his multidisciplinary research experiences with key results using fluorescent probes to observe disease-associated biological processes and bio-imaging of biomarkers as a practical application.</p> <p>*Topic 1: Brain-tumor imaging probes *Topic 2: Cervical cancer diagnostic probe</p> <ol style="list-style-type: none"> 1. Jong Min An, Sangrim Kang, EugeneHuh, Dokyoung Kim*, <i>Chem. Sci.</i>2020, 11, 5658-5668. 2. Jong Min An, Heejo Moon, PeterVerwilst, Dokyoung Kim*, <i>ACS Sens.</i>2021, 6, 2270-2280. 3. Jong Min An, Jungyo Suh, Jaehoon Kim,Dokyoung Kim*, <i>Sens. Actuator B: Chem.</i>2022, 360, 131646.