School of Life Sciences

Seminar Series

No. 2019-29

Thu., **21 November**, 4:00pm

Jukhyun Bio Auditorium(RM.121)

Korean

Drug Target Discovery Using Bioinformatics: New Concept for Wound Healing in Neurological Diseases

Speaker | Jae Young Seong

Affiliation | Korea University

Host | Prof. Zee Yong Park

광주과학기술원 생명과학부

Gwangju Institute of Science and Technology School of Life Sciences

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Jae Young Seong, Ph.D.

Education/Experience

1986-1990	B.S., Department of Zoology, Seoul National University
1990-1992	M.S., Department of Molecular Biology, Seoul National University
1992-1996	Ph.D., Department of Molecular Biology, Seoul National University
1996.3-1997.8	Post-doc researcher, Research Center for Cell Differentiation, Seoul National University
1997.7-1999.3	Post-doc researcher, Division for Clinical & Experimental Endocrinology, University of Göttingen, Germany
1999.4-2000.2	Post-doc researcher, Research Center for Cell Differentiation, Seoul National University
2000.3-2005.2	Assistant Professor, Hormone Research Center, Chonnam National University
2005.3-2011.2	Assistant/Associate Professor, Graduate School of Medicine Korea University
2011.3-present	Professor, Graduate School of Medicine Korea University

Abstract

Currently, the large accumulation of genome sequence information for various invertebrate and vertebrate species combined with recent advances in bioinformatic tools has allowed large-scale genome comparisons and discovery of novel neuropeptides/chemokines and their receptors. Functional characteristics of these newly discovered neuropeptides/chemokines can be further analyzed. Out of these, I will discuss about a chemokine family with sequence similarity 19 member A5 (FAM19A5), a novel neurosecretory polypeptide, and its roles in central nervous system (CNS). This study suggests a possible clinical uses of a FAM19A5 antibody in CNS-injured patients.