Announced by Pro. O Seiyo Lab

International Seminar of
Pollen Allergy and Air Pollution
14:00~17:00, July 26 (Fri.), 2019
Venue: Classroom No.56, Lecture Building, Faculty of Engineering, Saitama University

Professor Lyu Senlin
Cellular toxicity caused by ambient ultrafine particles and engineered metal oxide nanoparticles.

Dr. Zhou Shumin
Biological view on air pollution and pollen Allergy

Professor Zhang Wei
Studies on the role of autophagy in pollen allergy

Outline of the Lectures

Lectured by

Professor Lyu Senlin
Cellular toxicity caused by ambient ultrafine particles and engineered metal oxide nanoparticles.

Abstract
Oxidative damage caused by ambient ultrafine particles and engineering metal oxide nanoparticle is different, ambient particles is more toxic.

Keywords
Ultrafine particles, engineered nano particles, oxidative stress.

Professor Zhang Wei
Studies on the role of autophagy in pollen allergy

Abstract
Autophagy can help scavenger ROS, thence alleviating inflammatory effects triggered by subpollen particles (SPPs).

Keywords
Autophagy, ROS, SPPs.

Dr. Zhou Shumin
Biological view on air pollution and pollen Allergy

Abstract
O3, NO2 and PM in polluted air coordinate with pollen allergens via distinct biochemical pathways, resulting in significantly aggravated allergic symptoms.

Keywords
O3, NO2, pollen allergen.

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