

第5回

生命科学研究科 交流ミーティング

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青葉山会場 (本会場) : 生物棟 大会議室

片平会場 (ビデオ中継) : 生命科学研究科プロジェクト棟 1階 講義室B

今村 航平 博士 (植物生態学分野)

講演1

「Attitudes toward disaster-prevention risk in Japanese coastal areas:
Analysis of civil preference」

Facing potential coastal disasters such as storm surges, storm waves, and tsunamis, Japan has planned the construction of coastal structures such as seawalls along its coastal areas. However, some conflicts exist among the public if such constructions should be undertaken or if the natural coast should be conserved. This study uses a choice experiment to investigate opinions of coastal citizens about 1) the acceptable loss of coastal wildlife species as a tradeoff for seawalls; 2) the willingness to pay for conservation of coastal wildlife as a compromise for disaster risk reduction; 3) the influence on popular preferences in coastal management of individual characteristics.

講演2

Dr. QingWei Wang (機能生態学分野)

「UV-induced DNA damage and UV tolerance mechanisms in species with
different functional groups coexisting in moorlands plant communities」

Although ultraviolet-B (UV-B; 280–315 nm) radiation damage plant DNA, and plants have mechanisms to prevent UV damage as DNA repair and UV protection, it remains unclear how DNA damage and tolerance mechanisms vary among field species. We studied DNA damage and tolerance mechanisms in 26 species with different functional groups in two moorlands in July and August, and determined cyclobutane pyrimidine dimer (CPD) as UV damage and photorepair activity (PRA) and UV-absorbing compounds (UACs) and carotenoids (CARs) as UV tolerance mechanisms.

●本セミナーは、研究科内の交流・将来的なコラボレーションの促進を目的に始まったものです。皆様奮ってご参加下さい。

●参加研究室・次回世話人を募集中です。詳細は世話人までお問い合わせ下さい。

世話人：

小口理一 (機能生態学分野)