



University of Tsukuba

Plant Transgenic Design Initiative

70th PTraD Research Seminar

T-PIRC Research Seminar

Date and Time: 2022/9/27 (Thu) 13:30 –14:10

Place: Gene Research Center, Seminar Room (211)

A New Generation of Staple Foods – Vegetables

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World Vegetable Center

Transformation to healthy diets is imperative because overweight and obesity are becoming incredible public health problem globally. Vegetables enriching with micronutrients and minerals are highly recommended and consumption of vegetables together with fruits, nuts, and legumes will have to double by 2050. The World Vegetable Center (WorldVeg, the formal official name is the Asian Vegetable Research and Development Center), is a nonprofit, international agricultural research and development institution. WorldVeg it is the only international Center focusing solely on vegetable crops. WorldVeg's mission is to alleviate poverty and malnutrition in developing countries through the increased production and consumption of nutritious and health-promoting vegetables. To be the world's largest public collection of vegetable germplasm, the World Vegetable Center genebank includes more than 65,152 accessions encompassing germplasm of 133 genera and 330 species from 155 countries. The Center's research and development work focuses on breeding improved vegetable lines, developing and promoting safe production practices, reducing postharvest losses, and improving the nutritional value of vegetables. Toward 'Open Science Center', the Center is seeking international partnership for better vegetable research and promotion and make a major contribution in overcoming malnutrition and to play our role in reducing poverty, helping attain nine of the Sustainable Development Goals of the United Nations: no poverty, zero hunger, good health and well-being, gender equality, decent work and economic growth, responsible consumption and production, climate action, life on land, and partnerships for the goals.

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