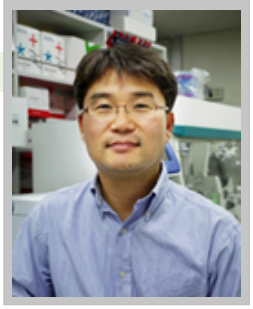
SUNG KYUN KWAN UNIVERSITY(SKKU)



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Key Words

Evolutionary genomics, Algae, Phlogenetics, Single cell genomics, Biodiversity, Phylogenetic Analysis, Conservation, Biogeography

Research Area

Hwan Su Yoon is an Associate Professor in the Department of Biological Sciences at Sungkyunkwan University, Korea. He received his PhD in biology from Chungnam National University. After research training at the University of Iowa, he worked at the Bigelow Laboratory for Ocean Sciences. His research interests include eukaryotic biodiversity, phylogeny, single cell genomics, and genome evolution, with a focus on red algae and red algal plastid descendants (e.g., the cryptophytes, haptophytes, stramenopiles and dinoflagellates).

Education

- 1995 - 1999 PhD Dept. of Biology, Chungnam National University
- 1993 - 1995 MSc Dept. of Biology, Chungnam National University
- 1988 - 1993 BSc Dept. of Biology, Chungnam National University

Experience

- 2014 – Present Associate Professor, Dept. of Biological Sciences, Sungkyunkwan University
- 2011- 2014 Assistant Professor, Dept. of Biological Sciences, Sungkyunkwan University
- 2007 - 2011 Principle Investigator, Bigelow Laboratory for Ocean Sciences
- 2004 - 2007 Senior Scientist, University of Iowa
- 2000 - 2004 Postdoc, University of Iowa

Position

- 2014 – Present Associate Professor, Sungkyunkwan University
- 2012 - Present Visiting Adjunct Scholar, Rutgers University

Selected Publication

- "Adaptation through horizontal gene transfer in the cryptoendolithic red alga *Galdieria phlegrea*." 2013. Current Biology. 23: R865-R866. (*corresponding authors) (7 Oct 2013)
- *"Cyanophora paradoxa* genome elucidates origin of photosynthesis in algae and plants." 2012. *Science*. 335: 843-847.
- "Single cell genomes reveal the dynamic world of uncultured marine protists." 2011 *Science* 332: 714-717.
- "Signal of Plantae monophyly and gene sharing found in rich repertoire of red algal genes." 2011. *Current Biology* 21: 328-33
- "Minimal plastid genome evolution in the *Paulinella* endosymbiont." 2006. *Current Biology* 16:R670-R672. (also see commentary article in same issue).
- "Migration of the plastid genome to the nucleus in a peridinin Dinoflagellate." 2004. *Current Biology* 14: 213-218.

Others

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