



李家維教授 (Chia-Wei Li, Ph.D.) 簡介



Chair Professor
Department of Life Science
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■ Professional Position:

- Chair Professor, Dept. of Life Science, National Tsing Hua University (1990-)
- President, National Museum of Natural Science Foundation (1999-2003, 2005-)
- Editor in Chief, *Scientific American* (Chinese Edition) (2002-)
- CEO, Dr. Cecilia Koo Botanic Conservation and Environmental Protection Foundation (2007-)

■ Born:

- September 17, 1953

■ Education:

- B.S. 1971-1975 Dept. of Botany, National Chung-Hsing University, Taichung, Taiwan
- M.S. 1975-1977 Institute of Oceanography, National Taiwan University, Taipei, Taiwan
- Ph.D. 1979-1983 Scripps Institution of Oceanography, University of California, San Diego, U.S.A.

■ Experience:

- 1983-1985 Research Marine Biologist, Scripps Institution of Oceanography, University of California, San Diego, U.S.A.
- 1985-1990 Associate Professor, Institute of Life Science, National Tsing Hua University, Hsinchu, Taiwan
- 1987-1990 Director, Institute of Life Science, National Tsing Hua University, Hsinchu, Taiwan
- 1990-1992 Secretary General, National Tsing Hua University, Hsinchu, Taiwan.
- 1992-1995 Deputy Director, National Museum of Natural Science, Taichung, Taiwan
- 1995-1996 Director, National Museum of Natural Science, Taichung, Taiwan
- 2002-2005 Director, National Museum of Natural Science, Taichung, Taiwan
- 2005-2008 Director, Institute of Molecular and Cellular Biology, National Tsing Hua University, Hsinchu, Taiwan

- 2005-2008 Chair Professor, Suzhou University
- 2008-2014 Dean, Tsing Hua College, National Tsing Hua University

■ Major Research Fields:

- Cell Biology, Ecology, Microscopy, Evolutionary Biology.

■ Selected Publications:

- C.-Y. Hsu and Li, C.-W. (1994) Magnetoreception in honeybees. *Science*, 265:95-97
- Li, C.-W.*, Chen, J.-Y.* and Hua, T.-E. (1998) Precambrian sponges with cellular structures. *Science*, 279: 879-882.
- Li, C.-W.*, Chen, J.-Y. and Hua, T.-E. (1998) Interpreting late Precambrian microfossils. *Science*, 282: 1783a.
- Chen, J.-Y.*, Huang D.-Y. and Li, C.-W.* (1999) An early cambrian Craniate-like chordate. *Nature*, 402:518-522.
- Chen, C.-Y.*, and Li, C.-W.* (2000) Distant ancestor of mankind unearthed: 520 million year-old fish-like fossils reveal early history of vertebrates. *Science Progress*, 83: 123-133.
- Chen, C.-Y., Oliveri, P., Li, C.-W., Zhou, G.-Q., Gao, F., Hagadorn, J. W., Peterson, K. J., Davidson, E. H.* (2000) Precambrian animal diversity: Putative phosphatized embryos from the Doushantuo Formation of China. *Proc. Natl. Acad. Sci. USA*, 97:4457-4462.
- Chen, C.-Y.*, Oliveri, P., Gao, F., Dornbos, S. Q., Li, C.-W., Bottjer, D. J. Davidson, E. H.* (2002) Precambrian Animal Life: Probable Developmental and Adult Cnidarian Forms from Southwest China. *Dev. Biol.*, 248(1): 182-96.
- Li, G.-X., Zhu, M.-Y., Iten, H. V., Li, C.-W. (2004) Occurrence of the earliest known *Sphenothallus* Hall in the Lower Cambrian of Southern Shaanxi Province, China. *Geobios* 37: 229-237,.
- Chen, C.-Y.*, Bottjer, D. J.*, Oliveri, P., Dornbos, S. Q., Gao, F., Ruffins, S., Chi, H., Li, C.-W., Davidson, E. H. (2004) Small bilaterian fossils from 40 to 55 million years before the Cambrian. *Science*, 305: 218-222.
- Chen, C.-Y.*, Bottjer, D. J., Davidson, E. H., Dornbos, S. Q., Gao, X., Yang, Y.-H., Li, C.-W., Li, G., Wang, X.-Q., Xian, D.-C., Wu, H.-J., Hwu, Y.-K., Tafforeau, P. (2006) Phosphatized polar lobe-forming embryos from the Precambrian of Southwest China. *Science*, 312: 1644-1646.
- Goh, K. S. and Li, C. W. (2011). A Photocytes-Associated Fatty Acid-Binding Protein from the Light Organ of Adult Taiwanese Firefly, *Luciola cerata*. *PLoS ONE* 6(12): e29576.
- Goh, K. S., Sheu, H. S., Hua, T. E., Kang, M. H. and Li, C. W. (2013). Uric Acid Spherulites in the Reflector Layer of Firefly Light Organ. *PLoS ONE* 8(2): e56406.
- Chen, C. W., Ebihara, A., Chiou, W. L. and Li, C. W. (2014). *Haplopteris yakushimensis* (Pteridaceae, Vittarioideae), a new species from Yakushima Island, Japan. *Phytotaxa* 156(4): 229-234.
- Tsai, Y. L., Li, C. W.*, Hong, T. M., Ho, J. Z., Yang, E. C., Wu, W. Y., Margaritondo, G., Hsu, S. T., B. L. Ong, E. B. L., and Hwu, Y. †(2014) Firefly Light Flashing: Oxygen Supply Mechanism. *Phys. Rev. Lett.* 113, 258103.
- Chen, C. W., Nitta, J. H., Fanerii, M., Yang, A., Pitisopa, F., Li, C. W., and Chiou, W. L. (2015). *Antrophyum solomonense* (Pteridaceae), a New Species from the Solomon Islands, and Its Systematic Position Based on Phylogenetic Analysis. *Systematic Botany*, 40(3): 645-651.

- Hsu, T. C., Fanerii, M., Yang, A., Pitisopa, F., and Li, C. W. (2016). *Gastrodia isabelensis* and *G. solomonensis* (Gastrodieae, Epiodendroideae, Orchidaceae): two new species representing a new generic record in the Solomon Islands. *Phytotaxa* 270(2): 137-145.