

SEMINAR LECTURE INVITATION



SEMMELOWEIS
UNIVERSITY 1769



APPLY HERE



Barry Halliwell



March 25 (Monday), 2024
Start at 10.00 AM



BC22 Office Building
Ground Floor
1085 Budapest, Baross utca 22.

262259

CITATIONS

209

H-INDEX

1135

PUBLICATIONS

Barry Halliwell is an English biochemist, chemist and university administrator, specialising in free radical metabolism in both animals and plants.

His name is included in the "Foyer–Halliwell–Asada" pathway, a cellular process of hydrogen peroxide metabolism in plants and animals, named for the three principal discoverers, with Christine Foyer and Kozi Asada. He moved to Singapore in 2000, and served as Deputy President (Research and Technology) of the National University of Singapore (2006–2015), where (as of 2018) he continues to hold a Tan Chin Tuan Centennial professorship.

He subsequently focused on the role of free radicals in human diseases, demonstrating the toxicity of the hydroxyl radical, a metabolite of superoxide, and investigated the involvement of metal ions, including iron and zinc, in this process, as well as the protective effect of their sequestration. He has also worked on reactive nitrogen species. He developed methods to measure free radical levels in vivo and to quantify the damage they cause to DNA. He researched dietary antioxidants as well. As of 2018, his research focuses on the role of free radicals and antioxidants in human disease, particularly Alzheimer's disease and other brain disorders.

He was elected a fellow of the American Association for the Advancement of Science in 2012. He was dubbed a "Research Pioneer" by the journal *Antioxidants & Redox Signaling* in 2011. Other awards include a lifetime achievement award from the American Society for Free Radical Biology and Medicine (2008) and the Ken Bowman Research Award from the Canadian Institute of Cardiovascular Sciences (2011).

MOST SIGNIFICANT PUBLICATIONS

- B Halliwell et al., *Analytical Biochemistry* 165 (1) 215-219 (1987)
- ... B Halliwell, *Planta* 133, 21–25 (1976)
- B Halliwell et al., *Biochem J* 219 (1) 1–14 (1984)

BOOKS

- Free Radicals in Biology and Medicine (2015)
- Chloroplast Metabolism (1984)

GOOGLE SCHOLAR

HUN-REN
Hungarian Research Network



NEMZETI TUDÓSKÉPZŐ AKADÉMIA
NATIONAL ACADEMY OF SCIENTIST EDUCATION