

CONTROVERSY 1: WHY DO WE GROW OLD?

Genetics of Longevity. For a fascinating article on the biology of aging, "The Aging Enigma," visit: <http://www.harvard-magazine.com/on-line/090548.html>

Biomarkers. The quest for valid biomarkers for aging has been a recurrent issue for the field of gerontology. For the latest on biomarkers, cell replication rates and immunology, visit:
<http://www.infoaging.org/b-biomark-home.html>

Is Aging a Disease? For more on the question "Is Aging a Disease?" visit the website of the American Federation for Aging Research at: <http://www.infoaging.org>

Biology of Aging. The Index for Biology of Human Aging is a web site helpful for those teaching courses related to biogerontology. The site offers lecture notes, curricula, instructional objectives, homework assignments, classroom activities, and sample tests, as well as links to other sites of interest. Visit them at:
<http://www.biologyofhumanaging.com>

Also read "Aging Under The Microscope: Biological Quest" is a free 50-page booklet by the National Institute, which summarizes progress made in understanding the biological process of aging. To order call (800) 222-2225 or visit: <http://www.nia.nih.gov/>

Biology of Aging
<http://www.trinity.edu/~mkearl/ger-biol.html>

Biology of Aging
http://www.merck.com/pubs/mm_geriatrics/sec1/ch1.htm

Biological Theories of Aging:
http://websites.afar.org/site/PageServer?pagename=IA_b_the_home

Caloric Restriction. The only proven intervention to increase maximum lifespan in mammals. For more details visit the updated Caloric Restriction Information Center:
http://websites.afar.org/site/PageServer?pagename=IA_b_cal_home

Compression of Morbidity. For a good account of the Compression of Morbidity issue-- very accessible to students-- take a look at the website "Why Do We Age?" available at:
http://cpmnet.columbia.edu/dept/dental/Dental_Educational_Software/Gerontology_and_Geriatric_Dentistry/NORMAL_AGING/WHY_DO_WE_AGE.html

Ethics of Life Extension. For an article on ethical issues related to raising maximum human lifespan "Who's Afraid of Life Extension?" see:
<http://www.hrmoodly.com/art5.html>

For the debate over aging as disease, see the following:

Leonard Hayflick and Harry R. Moody, "Has Anyone Ever Died of Old Age?"
International Longevity Center (Nov., 2002) available at:
http://www.ilcusa.org/_lib/pdf/diedofoldage.pdf

The President's Council on Bioethics: Staff Working Paper (2003): "Age-Retardation:
Scientific Possibilities and Moral Challenges," available at:
http://www.bioethics.gov/background/age_retardation.html

See also Aubrey de Grey et al, "Time to Talk SENS: Critiquing the Immutability of
Human Aging," *Annals of the New York Academy of Sciences* (2002), 959: 452-62.

For more on the debate visit <http://www.SAGECrossroads.net> email:
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