

SPCNet



The Scholarly Publishers' Collaborative Network

This Month from the Collaborative

Happy New Year and New Decade!

January 2010



This Month in The FASEB Journal January 2010

WHAT'S ON THE COVER

This month's
cover
illustration is
the
frontispiece

of *Hortus Cliffortianus*, 1737. In 1735 George Clifford, governor of the Dutch East India Company, hired an up-and-coming botanist, Carolus Linnaeus (1707–1778) and an established botanical artist, Georg Ehret (1708–1770) to work on a project at his estate on the outskirts of Haarlem. The team was commissioned to classify and illustrate the vast collection of exotic plants in his garden and herbarium. The resulting treatise, *Hortus Cliffortianus*, was essentially a family album with extended implications. The publication put Linnaeus on the botanical map.

Read the complete story here: <http://www.fasebj.org/content/vol24/issue1/cover.shtml>

New Year, New Vitamin C Discovery: It 'Cures' Mice with Accelerated Aging Disease

Vitamin C stops and even reverses accelerated aging in a mouse model of Werner's syndrome, but the discovery may also be applicable to other progeroid syndromes. People with Werner's syndrome begin to show signs of accelerated aging in their 20s and develop age-related diseases and generally die before the age of 50.

Get the summary here: http://www.eurekalert.org/pub_releases/2010-01/foas-nyn010410.php

Get the abstract here: <http://www.fasebj.org/cgi/content/abstract/24/1/158>

WHAT'S UP FRONT

Radium, Telomeres, and Ribosomes: Glass Ceilings Break in Stockholm

In Stockholm, aberrancy ran into equality. Three of the six new Nobel laureates in fields related to experimental biology were women: Elizabeth Blackburn of the University of California San Francisco and Carol Greider of Johns Hopkins University in physiology or medicine and Ada E. Yonath of the Weizmann Institute of Science in chemistry. Adding the female laureates in literature and the Nobel Memorial Prize in Economics, the Nobel committee was proud to note that five of the 13 new laureates were women, the largest number ever to mount the podium in Stockholm. Blackburn and Greider have the distinction of breaking another glass ceiling: It was the first time that any Nobel Prize in the sciences has been awarded to more than one woman.

Read the full editorial here: <http://www.fasebj.org/cgi/content/full/24/1/1>

A (Musical) Note on Protein Purification

Protein purification remains a time-consuming and often repetitive task. Furthermore, despite several techniques proposed over the years, in the overwhelming majority of cases, researchers limit their attempts to affinity chromatography using GST or 6xHis tags. Although the availability of different fluorescent proteins would allow a rainbow approach (i.e., the separation of fusion proteins according to their colors), the astonishing lack of an artistic vein in the biochemistry community precluded this opportunity. Therefore, we have concentrated our efforts on the development of a technical support for creative chromatography, albeit based on sounds and tastes and not colors, and wish to share here our latest results.

Read the full essay here: <http://www.fasebj.org/cgi/content/full/24/1/6>

WHAT'S FEATURED

Finally, an Excuse for Pregnant Women to Eat Bacon and Eggs

If you're pregnant and looking for an excuse to eat bacon and eggs, now you've got one.

Get the summary here: http://www.eurekalert.org/pub_releases/2010-01/foas-fae010410.php

Get the abstract here: <http://www.fasebj.org/cgi/content/abstract/24/1/184>

Size of Fat Cells and Waist Size Predict Type 2 Diabetes in Women

When it comes to assessing risk for type 2 diabetes, not only do waistlines matter to women, but so does the size of their fat cells.

Get the summary here: http://www.eurekalert.org/pub_releases/2009-09/foas-sof091009.php

Get the abstract here: <http://www.fasebj.org/cgi/content/short/24/1/326>

Scientists Begin to Untangle Root Cause of Alzheimer's Disease

"N60" might not be the first thing that comes to mind when people think of Alzheimer's disease, but thanks to researchers from the United States, South Korea and France, this might change.

Get the summary here: http://www.eurekalert.org/pub_releases/2009-09/foas-sbt090309.php

Get the abstract here: <http://www.fasebj.org/cgi/content/short/24/1/119>

WHAT'S ELSEWHERE



This Month in The Journal of Pharmacology and Experimental Therapeutics January 2010

**A New Ally
in the Battle
against
Cocaine
Addiction**

Cocaine
esterase is a
naturally-

occurring bacterial enzyme that breaks down cocaine, reducing its addictive properties. Its efficacy in animals and its suitability for treatment of addiction has been limited by a short half-life in the body. A recent study demonstrates that a more stable version of CocE significantly decreased the desire for cocaine and prevented death from cocaine overdose.

Get the summary here: http://www.eurekalert.org/pub_releases/2010-01/fo1b-ana122309.php

Get the abstract here: <http://jpet.aspetjournals.org/content/331/2/445.abstract>



This Month in The Journal of Leukocyte Biology January 2010

**A Trip to the
Candy Store
Might Help
Ward off
Rare, but
Deadly
Infections**

As it turns
out, children

were not the only ones with visions of sugar plums dancing in their heads over this past holiday season. Some researchers dreamt of the licorice root.

Get the summary here: http://www.eurekalert.org/pub_releases/2010-01/foas-att010410.php

Get the abstract here: <http://www.jleukbio.org/cgi/content/abstract/87/1/35>



This Month in America Journal of Pathology January 2010

Weakened
Plasmodium
Generates
Protective
Immunity
and Hope
for Malaria
Vaccine

Malaria is caused by infection with *Plasmodium* parasites, which go through a number of life cycle changes inside the host, increasing the challenges of malarial vaccine development. Researchers have found that weakened *Plasmodium* elicits a protective immune response. Malaria is a mosquito-borne disease that each year affects from 300-500 million people.

Get the summary here: http://www.eurekalert.org/pub_releases/2009-12/ajop-tft122909.php

Get the abstract here: <http://ajp.amjpathol.org/cgi/content/abstract/176/1/205>



This Month in Genetics* January 2010

More than
Fish Bait:
Worms
Unlock
Secrets to
New
Epilepsy
Treatments

Scientists used worms to reel in information that they hope will lead to a greater understanding of cellular mechanisms that may be exploited to treat epilepsy.

Get the summary here: http://www.eurekalert.org/pub_releases/2009-12/gsoa-mtf120909.php

Get the abstract here: <http://www.genetics.org/cgi/content/abstract/183/4/1357>

* About the Cover

The 25 articles listed on the cover of this last print issue of the journal are just a sampling of the groundbreaking research published in the pages of GENETICS over the past 93 years. The style and format of this cover are familiar to longtime readers of the journal, as it graced the covers of GENETICS' first 817 issues.

Institutions can subscribe to these and other journals through the Scholarly Publishers' Collaborative Network (SPCNet): <http://www.faseb.org/SPCNet>. The Scholarly Publishers' Collaborative Network (SPCNet) is the sales arm for the FASEB Office of Publications. SPCNet will represent scholarly journals from both FASEB member societies and non-FASEB member societies with the aim to increase market penetration and revenue for the publishers through subscription sales to library consortia and establish relationships with all institutional customers and prospects through promotion, education, and marketing programs. The publisher partners include; American Psychiatric Publishing, Inc., American Society for Investigative Pathology, American Society for Nutrition, American Society for Pharmacology and Experimental Therapeutics, Federation of American Societies for Experimental Biology, Genetics Society of America, Health Affairs, Society for Leukocyte Biology, and The American Physiological Society.

The opinions expressed in editorials, essays, letters to the editor, and other articles described in this communication do not necessarily reflect the opinions of FASEB or its constituent societies.

****WHAT YOU MIGHT HAVE MISSED****

(a special section only for those who scroll all the way down)

Reflections on the Prize of Prizes: Alfred Nobel

In 1893, a young man named Ragnar Sohlman was hired as the private assistant to a successful industrialist. Sohlman's name is not recognized today, but he played a key role in events that led to worldwide acclaim and admiration for his employer—Alfred Bernhard Nobel.

Read the full article here: <http://www.fasebj.org/cgi/content/full/20/13/2186>
